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

March 31, 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 268 Turn of River Road, Stamford, CT 06905. Known to Sprint Spectrum L.P. as site CT03XC345.

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 Statues ("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

EBI Consulting
environmental | engineering | due diligence

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

Sprint Existing Facility

Site ID: CT03XC345

Turn of the River

268 Turn of the River Road
Stamford, CT 06905

March 5, 2014

EBI Project Number: 62140942

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

EBI Consulting
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March 5, 2014

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

Re: Radio Frequency Maximum Permissible Exposure (MPE) Assessment for Site:
CT03XC345 - Turn of the River

Site Total: 73.199% - MPE% in full compliance

EBI Consulting was directed to analyze the proposed upgrades to the existing Sprint facility located at 268 Turn of the River Road, Stamford, 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 97-01and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter (µW/cm2). The number of µW/cm2 calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

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

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter (µW/cm^2). The general population exposure limit for the cellular band (850 MHz Band) is approximately 567 µW/cm^2, and the general population exposure limit for the 1900 MHz and 2500 MHz bands band is 1000 µW/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 268 Turn of the River Road, Stamford, 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) 4 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 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 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 **120 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	CT03XC345 - Turn of the River
Site Addresss	268 Turn of the River Road, Stamford, CT 06905
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	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	4	80	15.9	120	114	34.74762	1/2 "	0.5	3	17.378008	1390.2407	38.45796	3.84580%
1a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	13.4	120	114	34.74762	1/2 "	0.5	3	9.7723722	195.44744	5.406625	0.95355%
1B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	13.4	120	114	34.74762	1/2 "	0.5	3	9.7723722	390.89489	10.81325	1.90710%
																Sector total Power Density Value:			6.706%

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	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	4	80	15.9	120	114	34.74762	1/2 "	0.5	3	17.378008	1390.2407	38.45796	3.84580%
2a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	13.4	120	114	34.74762	1/2 "	0.5	3	9.7723722	195.44744	5.406625	0.95355%
2B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	13.4	120	114	34.74762	1/2 "	0.5	3	9.7723722	390.89489	10.81325	1.90710%
																Sector total Power Density Value:			6.706%

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	APXVSPP18-C-A20	RRH	1900 MHz	CDMA / LTE	20	4	80	15.9	120	114	34.74762	1/2 "	0.5	3	17.378008	1390.2407	38.45796	3.84580%
3a	RFS	APXVSPP18-C-A20	RRH	850 MHz	CDMA / LTE	20	1	20	13.4	120	114	34.74762	1/2 "	0.5	3	9.7723722	195.44744	5.406625	0.95355%
3B	RFS	APXVTMM14-C-120	RRH	2500 MHz	CDMA / LTE	20	2	40	13.4	120	114	34.74762	1/2 "	0.5	3	9.7723722	390.89489	10.81325	1.90710%
																Sector total Power Density Value:			6.706%

Site Composite MPE %	
Carrier	MPE %
Sprint	20.119%
T-Mobile	3.050%
AT&T	20.780%
Verizon Wireless	20.310%
Clearwire	0.990%
Sensus (CL&P)	1.040%
Nextel	6.910%
Total Site MPE %	**73.199%**

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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 **20.119% (6.706% from each sector)** 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 **73.199%** 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

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Structural Analysis Report

Structure	:	**148 ft Monopole**
ATC Site Name	:	**SMFR - North, CT**
ATC Site Number	:	**302515**
Engineering Number	:	**55428921**
Proposed Carrier	:	**Sprint Nextel**
Carrier Site Name	:	**Turn of the River**
Carrier Site Number	:	**CT03XC345**
Site Location	:	**1590 Newfield Ave** **Stamford, CT 06905-1403** **41.112750,-73.538353**
County	:	**Fairfield**
Date	:	**December 3, 2013**
Max Usage	:	**97%**
Result	:	**Pass - Pending Modifications**

Jessica Abbott, E.I.
Structural Engineer I

Jessica Abbott

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Table of Contents

Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 148 ft monopole to reflect the change in loading by Sprint Nextel.

Supporting Documents

Tower Drawings	Engineered Endeavors Job #4370, dated October 21, 1998
Foundation Drawing	Engineered Endeavors Job #5591, dated November 17, 1999
Geotechnical Report	Dr. Clarence Welti, dated October 25, 2000
Modifications	ATC Project #43868633, dated September 1, 2009 ATC Project #51772939, dated April 11, 2013 [Pending]

Analysis

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

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

Conclusion

Based on the analysis results, the structure meets the requirements per the applicable codes listed above. The tower and foundation can support the equipment as described in this report once the pending modifications have been installed. Failure to install the modifications listed will void the results of this analysis.

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
160.0	2	Andrew ADFD1820-9090B-R2DM	Flush	(12) 1 5/8" Coax	T-Mobile
	3	Andrew E15S09P94			
	1	Andrew TMZXXX-6516-R2M			
	3	RFS ATMAP1412D-1A20			
152.0	6	Allgon 7770.00	Platform w/ Handrails	(12) 1 1/4" Coax (2) 0.74" 8 AWG 7 (1) 0.28" RG6	AT&T Mobility
	6	Ericsson RRUS 11 (Band 12)			
	12	Powerwave LGP21401			
	3	Powerwave P65-16-XLH-RR			
	1	Raycap DC6-48-60-18-8F			
141.0	3	Alcatel-Lucent RRH2x40-AWS	Low Profile Platform	(12) 1 5/8" Coax (1) 1 5/8" Hybriflex	Verizon
	3	Antel BXA-171063/8CF			
	3	Antel BXA-70063/6CF			
	1	Antel BXA-80063-6BF-EDIN-X			
	2	Antel BXA-80080/6CF			
	1	RFS DB-T1-6Z-8AB-0Z			
	6	RFS FD9R6004			
	3	Rymsa MGD3-800T0			
137.0	3	Argus LLPX310R	Side Arm	(6) 5/16" Coax (1) 2" Conduit (1) 1/2" Coax	Clearwire
	1	DragonWave A-ANT-18G-2.5-C			
	1	DragonWave Horizon Compact			
	3	NextNet BTS-2500			
133.0	3	KMW KMDAPS2040000	Flush	-	Sprint Nextel
131.0	9	48" x 12" Panel	Low Profile Platform	(9) 1 1/4" Coax (6) 1 5/8 Coax	
	3	72" x 12" Panel			
120.0	3	Alcatel-Lucent 2X50W RRH w/ Filter	Low Profile Platform	(3) 1 1/4" Hybriflex	
	3	Alcatel-Lucent 4x40W RRH			
	3	RFS APXVSPP18-C-A20			
110.0	2	Diamond X50A	Side Arms	(2) 1/2" Coax	Enertrac
100.0	1	Antel BCD-87010_4°	Side Arm	(1) 7/8" Coax	Sensus Metering
75.0	1	PCTEL GPS-TMG-HR-26N	Side Arm	(1) 1/2" Coax	Sprint Nextel

Proposed Equipment

Elevation[1] (ft)		Qty.	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
120.0	120.0	3	Alcatel-LucentTD-RRH8x20-25 w/ S.S.	Low Profile Platform	(1) 1 1/4" Hybriflex	Sprint Nextel
		3	RFS APXVTM14-C-I20			

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

Install proposed coax outside the pole shaft. Stacking coax is not allowed.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	86%	Pass
Shaft	92%	Pass
Base Plate	42%	Pass
Reinforcement	97%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	4,244.8
Axial (Kips)	52.0
Shear (Kips)	38.0

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) (°)
120.0	1.840	1.782

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

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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:

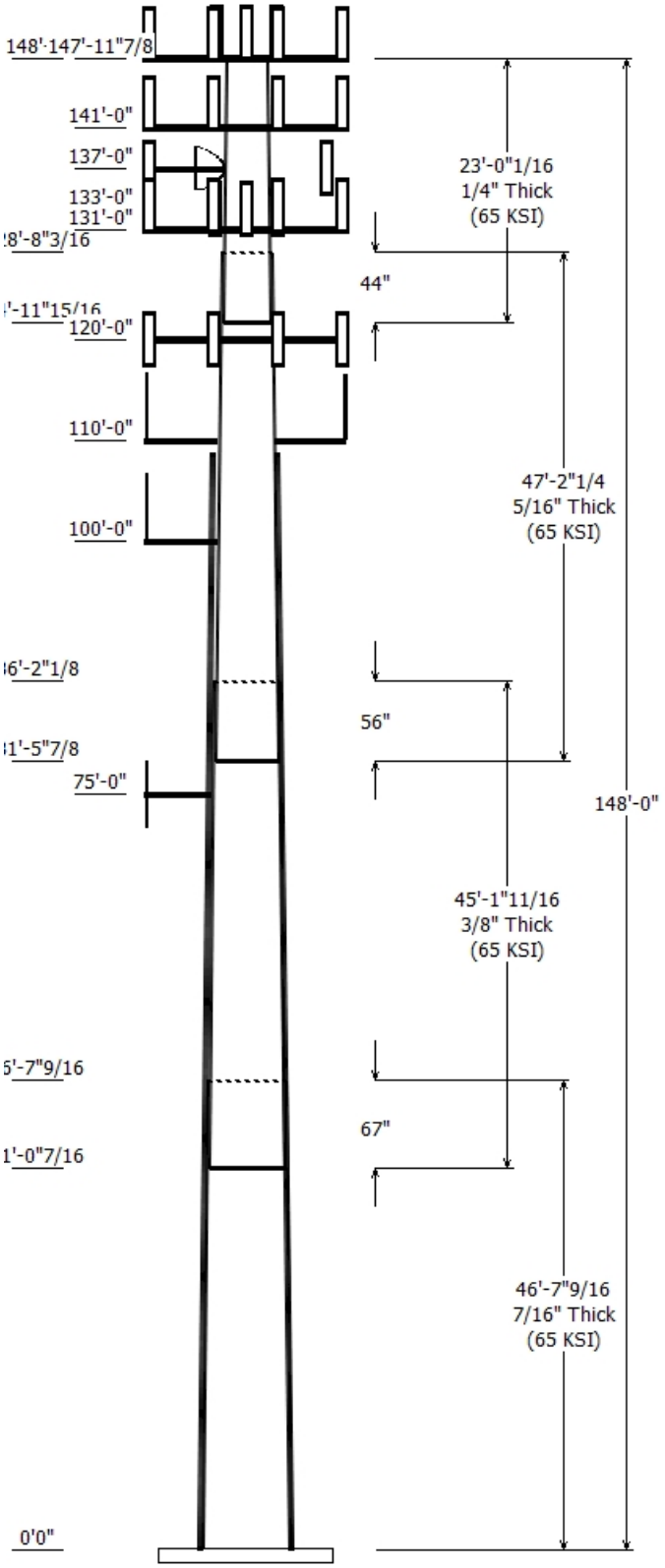
-- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.

-- 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.



Job Information

Pole :	302515
Description :	148 ft EEI Monopole
Client :	Sprint Nextel
Location :	SMFR - North, CT
Shape :	18 Sides
Height :	148.00 (ft)
Base Elev (ft):	0.00
Taper:	0.195479(in/ft)

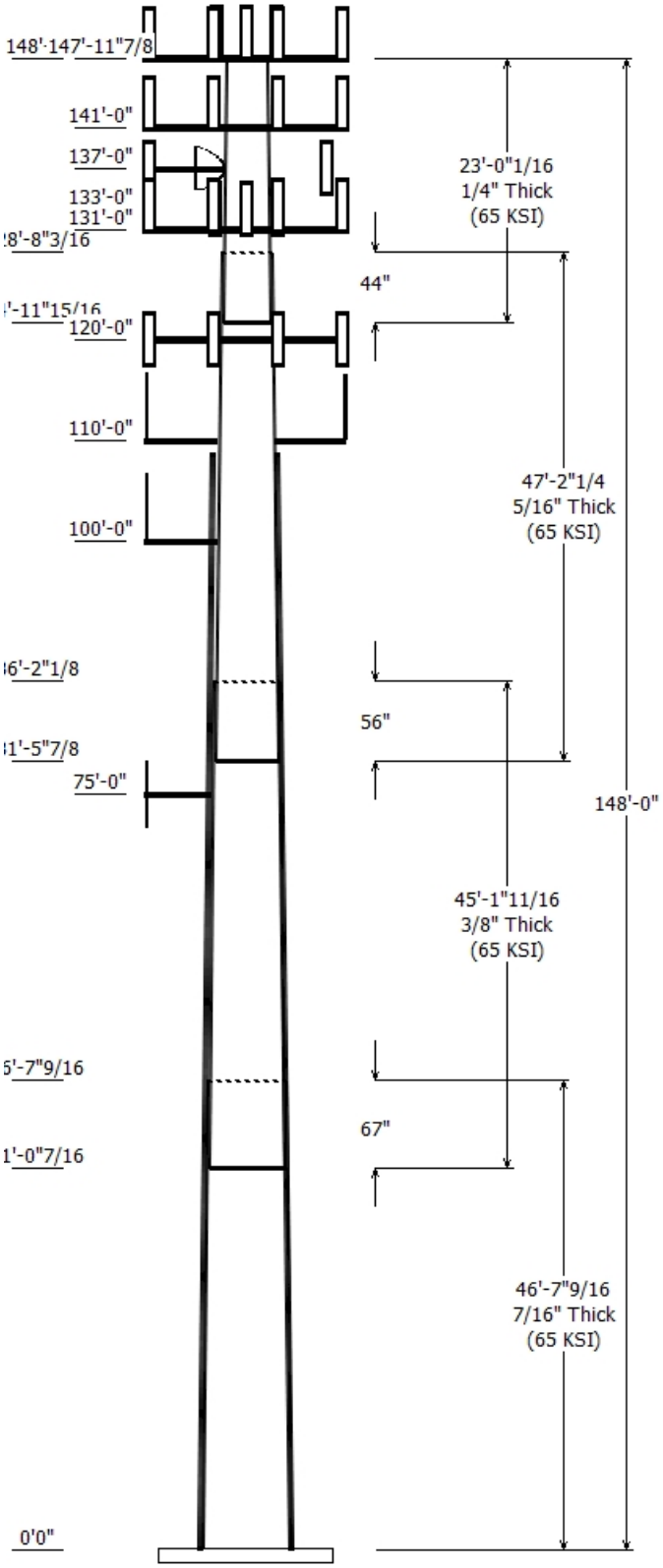
Code: TIA/EIA-222 Rev F

Sections Properties

Shaft Section	Length (ft)	Diameter (in) Accross Flats Top	Bottom	Thick (in)	Joint Type	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
1	46.630	38.885	48.000	0.438		0.000	0.195479	65
2	45.140	31.904	40.728	0.375	Slip Joint	67.125	0.195479	65
3	47.190	24.220	33.445	0.313	Slip Joint	56.218	0.195479	65
4	23.006	20.944	25.441	0.250	Slip Joint	44.251	0.195479	65

Discrete Appurtenance

Attach Elev (ft)	Force Elev (ft)	Qty	Description
148.000	148.000	1	Pipe
148.000	160.000	3	RFS ATMAP1412D-1A20
148.000	160.000	2	Andrew ADFD1820-9090B-R2DM
148.000	160.000	1	Andrew TMZXXX-6516-R2M
148.000	160.000	3	Andrew E15S09P94
147.990	147.990	1	Flat Platform w/ Handrails
147.990	151.990	1	Raycap DC6-48-60-18-8F
147.990	151.990	3	Powerwave P65-16-XLH-RR
147.990	151.990	12	Powerwave LGP21401
147.990	151.990	6	Ericsson RRUS 11 (Band 12)
147.990	151.990	6	Allgon 7770.00
141.000	141.000	1	Flat Low Profile Platform
141.000	143.000	1	RFS DB-T1-6Z-8AB-0Z
141.000	143.000	2	Antel BXA-80080/6CF
141.000	143.000	3	Antel BXA-171063/8BF
141.000	143.000	3	Antel BXA-70063/6CF
141.000	143.000	3	Alcatel-Lucent RRH2x40-AWS
141.000	143.000	3	Rymsa MGD3-800T0
141.000	143.000	6	RFS FD9R6004
141.000	143.000	1	Antel BXA-80063-6BF-EDIN-X
137.000	137.000	1	DragonWave A-ANT-18G-2.5-C
137.000	137.000	1	Round Side Arm
137.000	137.000	3	NextNet BTS-2500
137.000	137.000	1	DragonWave Horizon Compact
137.000	137.000	3	Argus LLPX310R
133.000	133.000	3	KMW KMDAPS2040000
131.000	133.000	3	72" x 12" Panel
131.000	133.000	9	48" x 12" Panel
131.000	131.000	1	Flat Low Profile Platform
120.000	120.000	3	RFS APXVSPP18-C-A20
120.000	120.000	3	Alcatel-Lucent 4x40W RRH
120.000	120.000	3	Alcatel-Lucent 2X50W RRH w/o F
120.000	120.000	3	RFS APXVTM14-C-I20
120.000	120.000	3	Alcatel-LucentTD-RRH8x20-25 w/
120.000	120.000	1	Flat Low Profile Platform
110.000	112.800	2	Diamond X50A
110.000	110.000	2	Flat Side Arm
100.000	100.000	1	Side Arm
100.000	105.000	1	Antel BCD-87010_4°
75.000	75.000	1	Side Arm
75.000	75.000	1	PCTEL GPS-TMG-HR-26N



Linear Appurtenance

Elev (ft) From	To	Description	Exposed To Wind
5.000	120.00	1 1/4" Hybriflex	Yes
5.000	120.00	1 1/4" Hybriflex	Yes
5.000	131.00	1 1/4" Coax	Yes
5.000	131.00	1 5/8 Coax	No
5.000	137.00	1/2" Coax	Yes
5.000	137.00	2" Conduit	Yes
5.000	137.00	5/16" Coax	No
5.000	141.00	1 5/8" Coax	No
5.000	141.00	1 5/8" Coax	No
5.000	141.00	1 5/8" Hybriflex	No
5.000	147.99	0.28" RG6	No
5.000	147.99	0.74" 8 AWG 7	No
5.000	147.99	1 1/4" Coax	No
5.000	148.00	1 5/8" Coax	Yes
5.000	148.00	1 5/8" Coax	No
5.000	75.000	1/2" Coax	Yes
5.000	100.00	7/8" Coax	Yes
5.000	110.00	1/2" Coax	No
0.000	113.25	DYWIDAG	Yes

Load Cases

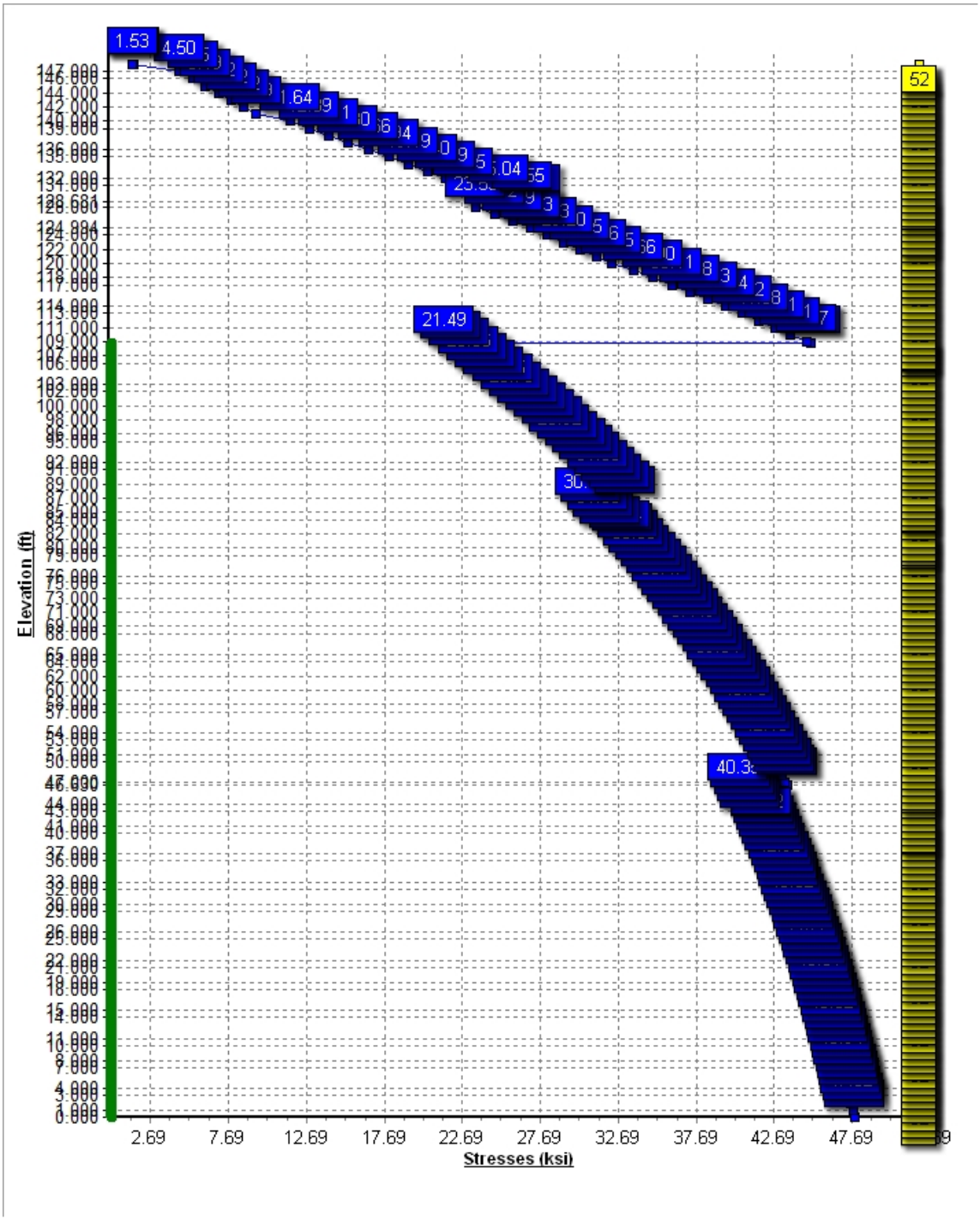
No Ice	90.00 mph Wind with No Ice
Ice	77.94 mph Wind with Ice
Twist/Sway	50.00 mph Wind with No Ice

Reactions

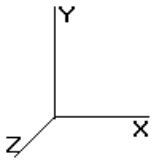
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
No Ice	4244.78	37.98	46.86
Ice	3568.67	31.91	51.98
Twist/Sway	1311.97	11.72	46.87

Dish Deflections

Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
Twist/Sway	137.00	28.888	2.017


1.53
4.50
21.49
52
Elevation (ft)
2.69
7.69
12.69
17.69
22.69
27.69
32.69
37.69
42.69
47.69
Stresses (ksi)

Pole :	**302515**	**Code: TIA/EIA-222 Rev F**	**12/5/2013 11:40:37 AM**
Location :	**SMFR - North, CT**		**Page: 1**
Height :	**148.00 (ft)**		
Base Dia :	**48.000 (in)**		
Top Dia :	**20.944 (in)**	**Base Elev : 0.000 (ft)**	
Shape :	**18 Sides**		
Taper :	**0.195479 (in/ft)**		

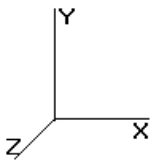


Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom Dia (in)	Bottom Elev (ft)	Bottom Area (sqin)	Bottom Ix (in^4)	Bottom W/t Ratio	Bottom D/t Ratio	Top Dia (in)	Top Elev (ft)	Top Area (sqin)	Top Ix (in^4)	Top W/t Ratio	Top D/t Ratio	Taper (in/ft)
1-18	46.630	0.4375	65		0.00	9,475	48.00	0.00	66.04	18876.3	17.93	109.71	38.885	46.63	53.39	9970.6	14.26	88.88	0.195479
2-18	45.140	0.3750	65	Slip	67.13	6,571	40.72	41.04	48.03	9881.2	17.74	108.61	31.904	86.18	37.53	4713.2	13.59	85.08	0.195479
3-18	47.190	0.3125	65	Slip	56.22	4,542	33.44	81.49	32.86	4557.9	17.46	107.02	24.220	128.68	23.71	1712.5	12.26	77.51	0.195479
4-18	23.006	0.2500	65	Slip	44.25	1,425	25.44	124.99	19.99	1602.6	16.53	101.76	20.944	148.00	16.42	888.4	13.36	83.78	0.195479
					Shaft Weight	22,013													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice EPAa (sf)	No Ice Orientation Factor	Ice Weight (lb)	Ice EPAa (sf)	Ice Orientation Factor	Distance From Face (ft)	Vert Ecc (ft)
148.00	Andrew ADFD1820-9090B-	2	22.00	6.070	0.62	54.00	6.700	0.62	0.000	12.000
148.00	Andrew E15S09P94	3	14.60	0.660	0.33	19.50	0.840	0.33	0.000	12.000
148.00	Andrew TMZXXX-6516-R2M	1	35.20	11.490	0.57	85.00	12.280	0.57	0.000	12.000
148.00	Pipe	1	200.00	6.400	1.00	0.00	0.000	1.00	0.000	0.000
148.00	RFS ATMAP1412D-1A20	3	13.00	1.170	0.33	20.60	1.390	0.33	0.000	12.000
147.99	Allgon 7770.00	6	35.00	5.880	0.64	68.00	6.430	0.64	0.000	4.000
147.99	Ericsson RRUS 11 (Band 12)	6	55.00	2.940	0.50	74.30	3.290	0.50	0.000	4.000
147.99	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	2,450.00	48.400	1.00	0.000	0.000
147.99	Powerwave LGP21401	12	14.10	1.290	0.33	21.26	1.530	0.33	0.000	4.000
147.99	Powerwave P65-16-XLH-RR	3	53.00	8.400	0.66	100.20	9.220	0.66	0.000	4.000
147.99	Raycap DC6-48-60-18-8F	1	31.80	1.470	1.00	49.50	1.670	1.00	0.000	4.000
141.00	Alcatel-Lucent RRH2x40-AWS	3	44.00	2.520	0.33	61.40	2.870	0.33	0.000	2.000
141.00	Antel BXA-171063/8BF	3	10.50	2.900	0.90	29.80	3.370	0.90	0.000	2.000
141.00	Antel BXA-70063/6CF	3	14.90	7.740	0.64	56.00	8.550	0.64	0.000	2.000
141.00	Antel BXA-80063-6BF-EDIN-X	1	19.20	7.460	0.78	70.60	9.080	0.78	0.000	2.000
141.00	Antel BXA-80080/6CF	2	22.00	7.900	0.65	67.30	8.730	0.65	0.000	2.000
141.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	1,700.00	31.600	1.00	0.000	0.000
141.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	5.600	1.00	0.00	0.000	1.00	0.000	2.000
141.00	RFS FD9R6004	6	3.10	0.370	0.33	5.40	0.500	0.33	0.000	2.000
141.00	Rymsa MGD3-800T0	3	19.80	3.450	0.69	39.89	3.980	0.69	0.000	2.000
137.00	Argus LLPX310R	3	28.60	4.830	0.62	54.50	5.360	0.62	0.000	0.000
137.00	DragonWave A-ANT-18G-2.5-	1	47.60	8.430	1.00	101.80	9.420	1.00	0.000	0.000
137.00	DragonWave Horizon	1	10.60	0.430	0.33	17.00	0.580	0.33	0.000	0.000
137.00	NextNet BTS-2500	3	35.00	2.120	0.33	48.30	2.430	0.33	0.000	0.000
137.00	Round Side Arm	1	150.00	5.200	1.00	175.00	5.900	1.00	0.000	0.000
133.00	KMW KMDAPS2040000	3	15.90	1.140	0.33	23.35	1.360	0.33	0.000	0.000
131.00	48" x 12" Panel	9	30.00	5.600	0.67	63.00	6.190	0.67	0.000	2.000
131.00	72" x 12" Panel	3	40.00	8.400	0.67	87.00	9.230	0.67	0.000	2.000
131.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	1,700.00	31.600	1.00	0.000	0.000
120.00	Alcatel-Lucent 2X50W RRH	3	53.00	2.400	0.50	86.10	2.720	0.50	0.000	0.000
120.00	Alcatel-Lucent 4x40W RRH	3	91.00	3.830	0.67	122.40	4.230	0.67	0.000	0.000
120.00	Alcatel-LucentTD-RRH8x20-	3	66.10	4.720	0.67	122.40	4.230	0.67	0.000	0.000
120.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	1,700.00	31.600	1.00	0.000	0.000
120.00	RFS APXVSPP18-C-A20	3	57.00	8.260	0.67	106.50	9.080	0.67	0.000	0.000
120.00	RFS APXVTM14-C-I20	3	52.90	6.900	0.78	71.44	7.420	0.78	0.000	0.000
110.00	Diamond X50A	2	2.30	1.120	1.00	57.20	1.630	1.00	0.000	2.800
110.00	Flat Side Arm	2	150.00	6.300	0.90	230.00	7.000	0.90	0.000	0.000
100.00	Antel BCD-87010_4°	1	26.50	2.900	1.00	47.98	4.050	1.00	0.000	5.000
100.00	Side Arm	1	150.00	5.200	1.00	175.00	5.900	1.00	0.000	0.000
75.00	PCTEL GPS-TMG-HR-26N	1	0.60	0.090	0.33	3.50	0.800	0.33	0.000	0.000
75.00	Side Arm	1	30.00	3.000	1.00	230.00	7.000	1.00	0.000	0.000
	Totals	111	10463.80			14,178.84			Number of Loadings :	41



Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	No Ice Weight (lb/ft)	No Ice CaAa (sf/ft)	Ice Weight (lb/ft)	Ice CaAa (sf/ft)	Exposed To Wind
5.00	148.00	(6) 1 5/8" Coax	4.92	0.20	4.92	0.30	Y
5.00	148.00	(6) 1 5/8" Coax	4.92	0.00	0.00	0.00	N
5.00	147.99	(1) 0.28" RG6	0.03	0.00	0.00	0.00	N
5.00	147.99	(2) 0.74" 8 AWG 7	0.98	0.00	0.00	0.00	N
5.00	147.99	(12) 1 1/4" Coax	7.56	0.00	0.00	0.00	N
5.00	141.00	(6) 1 5/8" Coax	4.92	0.00	0.00	0.00	N
5.00	141.00	(6) 1 5/8" Coax	4.92	0.00	0.00	0.00	N
5.00	141.00	(1) 1 5/8" Hybriflex	1.30	0.00	0.00	0.00	N
5.00	137.00	(1) 1/2" Coax	0.15	0.00	0.15	0.30	Y
5.00	137.00	(1) 2" Conduit	3.65	0.24	0.00	0.00	Y
5.00	137.00	(6) 5/16" Coax	2.94	0.00	0.00	0.00	N
5.00	131.00	(9) 1 1/4" Coax	5.67	0.00	0.00	0.00	Y
5.00	131.00	(6) 1 5/8 Coax	4.92	0.00	0.00	0.00	N
5.00	120.00	(3) 1 1/4" Hybriflex	3.00	0.00	1.25	0.00	Y
5.00	120.00	(1) 1 1/4" Hybriflex	3.00	0.00	0.00	0.00	Y
0.00	113.25	(4) DYWIDAG	0.00	0.50	0.00	0.70	Y
5.00	110.00	(2) 1/2" Coax	0.30	0.00	0.00	0.00	N
5.00	100.00	(1) 7/8" Coax	0.33	0.00	0.00	0.00	Y
5.00	75.00	(1) 1/2" Coax	0.15	0.00	0.00	0.00	Y
		Total Weight	7,134.80 (lb)		867.11 (lb)		

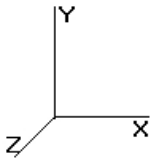
Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections — Description	Spacing (in)	Len (in)	Connectors	Continuation?
0.00	108.75	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	30.00	3.31	5/8" A36 U-Bolt	No

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

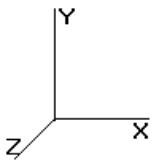
Base Elev : 0.000 (ft)



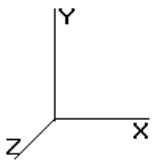
Segment Properties

(Max Len : 1 ft)

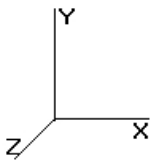
Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing Area (in^2)	Additional Reinforcing Ix (in^4)	Additional Reinforcing Weight (lb)
0.00		0.4375	48.000	66.044	18,876.3	17.93	109.71	65	52	0.0	19.64	7,401.	0.0
1.00		0.4375	47.805	65.773	18,644.5	17.86	109.27	65	52	224.3	19.64	7,349.	66.8
2.00		0.4375	47.609	65.501	18,414.6	17.78	108.82	65	52	223.3	19.64	7,296.	66.8
3.00		0.4375	47.414	65.230	18,186.6	17.70	108.37	65	52	222.4	19.64	7,244.	66.8
4.00		0.4375	47.218	64.958	17,960.5	17.62	107.93	65	52	221.5	19.64	7,192.	66.8
5.00		0.4375	47.023	64.687	17,736.3	17.54	107.48	65	52	220.6	19.64	7,140.	66.8
6.00		0.4375	46.827	64.415	17,514.0	17.46	107.03	65	52	219.7	19.64	7,089.	66.8
7.00		0.4375	46.632	64.144	17,293.5	17.38	106.59	65	52	218.7	19.64	7,037.	66.8
8.00		0.4375	46.436	63.873	17,074.9	17.30	106.14	65	52	217.8	19.64	6,986.	66.8
9.00		0.4375	46.241	63.601	16,858.1	17.23	105.69	65	52	216.9	19.64	6,935.	66.8
10.00		0.4375	46.045	63.330	16,643.2	17.15	105.25	65	52	216.0	19.64	6,884.	66.8
11.00		0.4375	45.850	63.058	16,430.1	17.07	104.80	65	52	215.0	19.64	6,833.	66.8
12.00		0.4375	45.654	62.787	16,218.9	16.99	104.35	65	52	214.1	19.64	6,783.	66.8
13.00		0.4375	45.459	62.515	16,009.4	16.91	103.91	65	52	213.2	19.64	6,732.	66.8
14.00		0.4375	45.263	62.244	15,801.8	16.83	103.46	65	52	212.3	19.64	6,682.	66.8
15.00		0.4375	45.068	61.973	15,596.0	16.75	103.01	65	52	211.3	19.64	6,632.	66.8
16.00		0.4375	44.872	61.701	15,391.9	16.67	102.57	65	52	210.4	19.64	6,582.	66.8
17.00		0.4375	44.677	61.430	15,189.7	16.60	102.12	65	52	209.5	19.64	6,533.	66.8
18.00		0.4375	44.481	61.158	14,989.2	16.52	101.67	65	52	208.6	19.64	6,483.	66.8
19.00		0.4375	44.286	60.887	14,790.5	16.44	101.22	65	52	207.6	19.64	6,434.	66.8
20.00		0.4375	44.090	60.615	14,593.6	16.36	100.78	65	52	206.7	19.64	6,385.	66.8
21.00		0.4375	43.895	60.344	14,398.4	16.28	100.33	65	52	205.8	19.64	6,336.	66.8
22.00		0.4375	43.699	60.072	14,205.0	16.20	99.88	65	52	204.9	19.64	6,288.	66.8
23.00		0.4375	43.504	59.801	14,013.3	16.12	99.44	65	52	204.0	19.64	6,239.	66.8
24.00		0.4375	43.308	59.530	13,823.3	16.04	98.99	65	52	203.0	19.64	6,191.	66.8
25.00		0.4375	43.113	59.258	13,635.1	15.97	98.54	65	52	202.1	19.64	6,143.	66.8
26.00		0.4375	42.918	58.987	13,448.6	15.89	98.10	65	52	201.2	19.64	6,095.	66.8
27.00		0.4375	42.722	58.715	13,263.8	15.81	97.65	65	52	200.3	19.64	6,047.	66.8
28.00		0.4375	42.527	58.444	13,080.7	15.73	97.20	65	52	199.3	19.64	6,000.	66.8
29.00		0.4375	42.331	58.172	12,899.3	15.65	96.76	65	52	198.4	19.64	5,953.	66.8
30.00		0.4375	42.136	57.901	12,719.6	15.57	96.31	65	52	197.5	19.64	5,905.	66.8
31.00		0.4375	41.940	57.630	12,541.5	15.49	95.86	65	52	196.6	19.64	5,858.	66.8
32.00		0.4375	41.745	57.358	12,365.1	15.41	95.42	65	52	195.6	19.64	5,812.	66.8
33.00		0.4375	41.549	57.087	12,190.4	15.34	94.97	65	52	194.7	19.64	5,765.	66.8
34.00		0.4375	41.354	56.815	12,017.3	15.26	94.52	65	52	193.8	19.64	5,719.	66.8
35.00		0.4375	41.158	56.544	11,845.9	15.18	94.08	65	52	192.9	19.64	5,673.	66.8
36.00		0.4375	40.963	56.272	11,676.1	15.10	93.63	65	52	191.9	19.64	5,627.	66.8
37.00		0.4375	40.767	56.001	11,508.0	15.02	93.18	65	52	191.0	19.64	5,581.	66.8
38.00		0.4375	40.572	55.729	11,341.5	14.94	92.74	65	52	190.1	19.64	5,535.	66.8
39.00		0.4375	40.376	55.458	11,176.5	14.86	92.29	65	52	189.2	19.64	5,490.	66.8
40.00		0.4375	40.181	55.187	11,013.2	14.78	91.84	65	52	188.2	19.64	5,444.	66.8
41.00		0.4375	39.985	54.915	10,851.5	14.70	91.40	65	52	187.3	19.64	5,399.	66.8
41.04	Bot - Section 2	0.4375	39.978	54.905	10,845.7	14.70	91.38	65	52	6.8	19.64	5,398.	2.4
42.00		0.4375	39.790	54.644	10,691.4	14.63	90.95	65	52	336.8	19.64	5,528.	64.4
43.00		0.4375	39.594	54.372	10,532.9	14.55	90.50	65	52	347.8	19.64	5,482.	66.8
44.00		0.4375	39.399	54.101	10,375.9	14.47	90.05	65	52	346.0	19.64	5,437.	66.8
45.00		0.4375	39.203	53.829	10,220.5	14.39	89.61	65	52	344.3	19.64	5,392.	66.8
46.00		0.4375	39.008	53.558	10,066.7	14.31	89.16	65	52	342.6	19.64	5,347.	66.8
46.63	Top - Section 1	0.3750	39.635	46.727	9,099.6	17.23	105.69	65	52	215.0	19.64	5,319.	42.1
47.00		0.3750	39.562	46.641	9,049.4	17.19	105.50	65	52	58.8	19.64	5,302.	24.7
48.00		0.3750	39.367	46.409	8,914.6	17.10	104.98	65	52	158.3	19.64	5,258.	66.8
49.00		0.3750	39.172	46.176	8,781.2	17.01	104.46	65	52	157.5	19.64	5,214.	66.8
50.00		0.3750	38.976	45.943	8,649.1	16.92	103.94	65	52	156.7	19.64	5,170.	66.8
51.00		0.3750	38.781	45.711	8,518.4	16.82	103.41	65	52	155.9	19.64	5,126.	66.8
52.00		0.3750	38.585	45.478	8,389.0	16.73	102.89	65	52	155.1	19.64	5,082.	66.8
53.00		0.3750	38.390	45.245	8,260.9	16.64	102.37	65	52	154.4	19.64	5,038.	66.8
54.00		0.3750	38.194	45.013	8,134.1	16.55	101.85	65	52	153.6	19.64	4,995.	66.8
55.00		0.3750	37.999	44.780	8,008.6	16.46	101.33	65	52	152.8	19.64	4,952.	66.8



56.00		0.3750	37.803	44.547	7,884.4	16.36	100.81	65	52	152.0	19.64	4,909.	66.8
57.00		0.3750	37.608	44.315	7,761.6	16.27	100.29	65	52	151.2	19.64	4,866.	66.8
58.00		0.3750	37.412	44.082	7,639.9	16.18	99.77	65	52	150.4	19.64	4,823.	66.8
59.00		0.3750	37.217	43.849	7,519.6	16.09	99.24	65	52	149.6	19.64	4,781.	66.8
60.00		0.3750	37.021	43.617	7,400.6	16.00	98.72	65	52	148.8	19.64	4,739.	66.8
61.00		0.3750	36.826	43.384	7,282.8	15.91	98.20	65	52	148.0	19.64	4,697.	66.8
62.00		0.3750	36.630	43.151	7,166.2	15.81	97.68	65	52	147.2	19.64	4,655.	66.8
63.00		0.3750	36.435	42.919	7,050.9	15.72	97.16	65	52	146.4	19.64	4,613.	66.8
64.00		0.3750	36.239	42.686	6,936.9	15.63	96.64	65	52	145.6	19.64	4,572.	66.8
65.00		0.3750	36.044	42.453	6,824.1	15.54	96.12	65	52	144.9	19.64	4,530.	66.8
66.00		0.3750	35.848	42.221	6,712.5	15.45	95.60	65	52	144.1	19.64	4,489.	66.8
67.00		0.3750	35.653	41.988	6,602.1	15.35	95.07	65	52	143.3	19.64	4,448.	66.8
68.00		0.3750	35.457	41.755	6,493.0	15.26	94.55	65	52	142.5	19.64	4,408.	66.8
69.00		0.3750	35.262	41.523	6,385.0	15.17	94.03	65	52	141.7	19.64	4,367.	66.8
70.00		0.3750	35.066	41.290	6,278.3	15.08	93.51	65	52	140.9	19.64	4,327.	66.8
71.00		0.3750	34.871	41.057	6,172.8	14.99	92.99	65	52	140.1	19.64	4,287.	66.8
72.00		0.3750	34.675	40.825	6,068.4	14.89	92.47	65	52	139.3	19.64	4,247.	66.8
73.00		0.3750	34.480	40.592	5,965.3	14.80	91.95	65	52	138.5	19.64	4,207.	66.8
74.00		0.3750	34.285	40.359	5,863.3	14.71	91.43	65	52	137.7	19.64	4,167.	66.8
75.00		0.3750	34.089	40.127	5,762.5	14.62	90.90	65	52	136.9	19.64	4,128.	66.8
76.00		0.3750	33.894	39.894	5,662.8	14.53	90.38	65	52	136.1	19.64	4,089.	66.8
77.00		0.3750	33.698	39.661	5,564.3	14.43	89.86	65	52	135.4	19.64	4,050.	66.8
78.00		0.3750	33.503	39.429	5,467.0	14.34	89.34	65	52	134.6	19.64	4,011.	66.8
79.00		0.3750	33.307	39.196	5,370.8	14.25	88.82	65	52	133.8	19.64	3,972.	66.8
80.00		0.3750	33.112	38.963	5,275.7	14.16	88.30	65	52	133.0	19.64	3,934.	66.8
81.00		0.3750	32.916	38.731	5,181.7	14.07	87.78	65	52	132.2	19.64	3,895.	66.8
81.49	Bot - Section 3	0.3750	32.820	38.616	5,136.0	14.02	87.52	65	52	64.7	19.64	3,877.	32.8
82.00		0.3750	32.721	38.498	5,088.9	13.97	87.26	65	52	123.5	19.64	3,980.	34.0
83.00		0.3750	32.525	38.265	4,997.2	13.88	86.73	65	52	241.8	19.64	3,941.	66.8
84.00		0.3750	32.330	38.033	4,906.6	13.79	86.21	65	52	240.3	19.64	3,903.	66.8
85.00		0.3750	32.134	37.800	4,817.1	13.70	85.69	65	52	238.9	19.64	3,865.	66.8
86.00		0.3750	31.939	37.567	4,728.7	13.61	85.17	65	52	237.4	19.64	3,827.	66.8
86.18	Top - Section 2	0.3125	32.529	31.954	4,190.3	16.94	104.09	65	52	41.7	19.64	3,820.	11.8
87.00		0.3125	32.368	31.794	4,127.8	16.85	103.58	65	52	89.3	19.64	3,789.	55.0
88.00		0.3125	32.173	31.600	4,052.7	16.74	102.95	65	52	107.9	19.64	3,751.	66.8
89.00		0.3125	31.977	31.406	3,978.6	16.63	102.33	65	52	107.2	19.64	3,714.	66.8
90.00		0.3125	31.782	31.213	3,905.3	16.52	101.70	65	52	106.5	19.64	3,677.	66.8
91.00		0.3125	31.586	31.019	3,833.0	16.41	101.08	65	52	105.9	19.64	3,640.	66.8
92.00		0.3125	31.391	30.825	3,761.6	16.30	100.45	65	52	105.2	19.64	3,603.	66.8
93.00		0.3125	31.195	30.631	3,691.0	16.19	99.83	65	52	104.6	19.64	3,566.	66.8
94.00		0.3125	31.000	30.437	3,621.4	16.08	99.20	65	52	103.9	19.64	3,530.	66.8
95.00		0.3125	30.804	30.243	3,552.6	15.97	98.57	65	52	103.2	19.64	3,494.	66.8
96.00		0.3125	30.609	30.049	3,484.7	15.86	97.95	65	52	102.6	19.64	3,458.	66.8
97.00		0.3125	30.414	29.855	3,417.7	15.75	97.32	65	52	101.9	19.64	3,422.	66.8
98.00		0.3125	30.218	29.661	3,351.6	15.64	96.70	65	52	101.3	19.64	3,386.	66.8
99.00		0.3125	30.023	29.468	3,286.3	15.53	96.07	65	52	100.6	19.64	3,350.	66.8
100.00		0.3125	29.827	29.274	3,221.8	15.42	95.45	65	52	99.9	19.64	3,315.	66.8
101.00		0.3125	29.632	29.080	3,158.2	15.31	94.82	65	52	99.3	19.64	3,280.	66.8
102.00		0.3125	29.436	28.886	3,095.5	15.20	94.20	65	52	98.6	19.64	3,245.	66.8
103.00		0.3125	29.241	28.692	3,033.6	15.09	93.57	65	52	98.0	19.64	3,210.	66.8
104.00		0.3125	29.045	28.498	2,972.5	14.98	92.94	65	52	97.3	19.64	3,176.	66.8
105.00		0.3125	28.850	28.304	2,912.2	14.87	92.32	65	52	96.6	19.64	3,141.	66.8
106.00		0.3125	28.654	28.110	2,852.8	14.76	91.69	65	52	96.0	19.64	3,107.	66.8
107.00		0.3125	28.459	27.917	2,794.2	14.65	91.07	65	52	95.3	19.64	3,073.	66.8
108.00		0.3125	28.263	27.723	2,736.4	14.54	90.44	65	52	94.7	19.64	3,039.	66.8
108.75	Reinf. Top	0.3125	28.117	27.577	2,693.5	14.45	89.97	65	52	70.6	19.64	3,014.	50.1
109.00		0.3125	28.068	27.529	2,679.4	14.43	89.82	65	52	23.4			
110.00		0.3125	27.872	27.335	2,623.1	14.32	89.19	65	52	93.3			
111.00		0.3125	27.677	27.141	2,567.7	14.21	88.57	65	52	92.7			
112.00		0.3125	27.481	26.947	2,513.1	14.10	87.94	65	52	92.0			
113.00		0.3125	27.286	26.753	2,459.2	13.99	87.31	65	52	91.4			
114.00		0.3125	27.090	26.559	2,406.1	13.88	86.69	65	52	90.7			
115.00		0.3125	26.895	26.365	2,353.8	13.76	86.06	65	52	90.0			
116.00		0.3125	26.699	26.172	2,302.3	13.65	85.44	65	52	89.4			



117.00		0.3125	26.504	25.978	2,251.5	13.54	84.81	65	52	88.7	
118.00		0.3125	26.308	25.784	2,201.5	13.43	84.19	65	52	88.1	
119.00		0.3125	26.113	25.590	2,152.2	13.32	83.56	65	52	87.4	
120.00		0.3125	25.917	25.396	2,103.6	13.21	82.94	65	52	86.7	
121.00		0.3125	25.722	25.202	2,055.8	13.10	82.31	65	52	86.1	
122.00		0.3125	25.527	25.008	2,008.7	12.99	81.68	65	52	85.4	
123.00		0.3125	25.331	24.814	1,962.4	12.88	81.06	65	52	84.8	
124.00		0.3125	25.136	24.620	1,916.7	12.77	80.43	65	52	84.1	
124.99	Bot - Section 4	0.3125	24.941	24.428	1,872.1	12.66	79.81	65	52	82.9	
125.00		0.3125	24.940	24.427	1,871.8	12.66	79.81	65	52	0.9	
126.00		0.3125	24.745	24.233	1,827.6	12.55	79.18	65	52	150.5	
127.00		0.3125	24.549	24.039	1,784.1	12.44	78.56	65	52	149.4	
128.00		0.3125	24.354	23.845	1,741.2	12.33	77.93	65	52	148.2	
128.68	Top - Section 3	0.2500	24.720	19.417	1,469.0	16.02	98.88	65	52	100.3	
129.00		0.2500	24.658	19.367	1,457.8	15.98	98.63	65	52	21.0	
130.00		0.2500	24.463	19.212	1,423.0	15.84	97.85	65	52	65.6	
131.00		0.2500	24.267	19.057	1,388.8	15.71	97.07	65	52	65.1	
132.00		0.2500	24.072	18.902	1,355.2	15.57	96.29	65	52	64.6	
133.00		0.2500	23.876	18.747	1,322.1	15.43	95.51	65	52	64.1	
134.00		0.2500	23.681	18.592	1,289.6	15.29	94.72	65	52	63.5	
135.00		0.2500	23.485	18.437	1,257.6	15.15	93.94	65	52	63.0	
136.00		0.2500	23.290	18.281	1,226.1	15.02	93.16	65	52	62.5	
137.00		0.2500	23.094	18.126	1,195.1	14.88	92.38	65	52	61.9	
138.00		0.2500	22.899	17.971	1,164.7	14.74	91.60	65	52	61.4	
139.00		0.2500	22.703	17.816	1,134.8	14.60	90.81	65	52	60.9	
140.00		0.2500	22.508	17.661	1,105.4	14.46	90.03	65	52	60.4	
141.00		0.2500	22.312	17.506	1,076.6	14.33	89.25	65	52	59.8	
142.00		0.2500	22.117	17.351	1,048.2	14.19	88.47	65	52	59.3	
143.00		0.2500	21.921	17.196	1,020.3	14.05	87.69	65	52	58.8	
144.00		0.2500	21.726	17.041	993.0	13.91	86.90	65	52	58.2	
145.00		0.2500	21.531	16.885	966.1	13.78	86.12	65	52	57.7	
146.00		0.2500	21.335	16.730	939.7	13.64	85.34	65	52	57.2	
147.00		0.2500	21.140	16.575	913.8	13.50	84.56	65	52	56.7	
147.99		0.2500	20.946	16.422	888.7	13.36	83.78	65	52	55.6	
148.00		0.2500	20.944	16.420	888.4	13.36	83.78	65	52	0.6	
										22,013.3	7,264.5

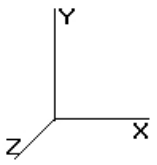


Load Case: No Ice — 90.00 mph Wind with No Ice — 30 Iterations

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

Shaft Segment Forces

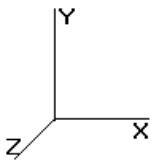
Seg Top Elev (ft)	Description		Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		0.00	1.00	20.736	35.044	360.000	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		0.00	1.00	20.736	35.044	358.534	0.650	0.000	1.00	3.992	2.59	90.9	0.0	291.1
2.00		0.00	1.00	20.736	35.044	357.068	0.650	0.000	1.00	3.976	2.58	90.6	0.0	290.1
3.00		0.00	1.00	20.736	35.044	355.602	0.650	0.000	1.00	3.959	2.57	90.2	0.0	289.2
4.00		0.00	1.00	20.736	35.044	354.136	0.650	0.000	1.00	3.943	2.56	89.8	0.0	288.3
5.00		0.00	1.00	20.736	35.044	352.670	0.650	0.000	1.00	3.927	2.55	89.4	0.0	287.4
6.00		0.00	1.00	20.736	35.044	351.203	0.650	0.000	1.00	3.910	2.54	89.1	0.0	286.5
7.00		0.00	1.00	20.736	35.044	349.737	0.650	0.000	1.00	3.894	2.53	88.7	0.0	285.5
8.00		0.00	1.00	20.736	35.044	348.271	0.650	0.000	1.00	3.878	2.52	88.3	0.0	284.6
9.00		0.00	1.00	20.736	35.044	346.805	0.650	0.000	1.00	3.862	2.51	88.0	0.0	283.7
10.00		0.00	1.00	20.736	35.044	345.339	0.650	0.000	1.00	3.845	2.50	87.6	0.0	282.8
11.00		0.00	1.00	20.736	35.044	343.873	0.650	0.000	1.00	3.829	2.49	87.2	0.0	281.8
12.00		0.00	1.00	20.736	35.044	342.407	0.650	0.000	1.00	3.813	2.48	86.8	0.0	280.9
13.00		0.00	1.00	20.736	35.044	340.941	0.650	0.000	1.00	3.796	2.47	86.5	0.0	280.0
14.00		0.00	1.00	20.736	35.044	339.475	0.650	0.000	1.00	3.780	2.46	86.1	0.0	279.1
15.00		0.00	1.00	20.736	35.044	338.009	0.650	0.000	1.00	3.764	2.45	85.7	0.0	278.1
16.00		0.00	1.00	20.736	35.044	336.542	0.650	0.000	1.00	3.748	2.44	85.4	0.0	277.2
17.00		0.00	1.00	20.736	35.044	335.076	0.650	0.000	1.00	3.731	2.43	85.0	0.0	276.3
18.00		0.00	1.00	20.736	35.044	333.610	0.650	0.000	1.00	3.715	2.41	84.6	0.0	275.4
19.00		0.00	1.00	20.736	35.044	332.144	0.650	0.000	1.00	3.699	2.40	84.2	0.0	274.4
20.00		0.00	1.00	20.736	35.044	330.678	0.650	0.000	1.00	3.682	2.39	83.9	0.0	273.5
21.00		0.00	1.00	20.736	35.044	329.212	0.650	0.000	1.00	3.666	2.38	83.5	0.0	272.6
22.00		0.00	1.00	20.736	35.044	327.746	0.650	0.000	1.00	3.650	2.37	83.1	0.0	271.7
23.00		0.00	1.00	20.736	35.044	326.280	0.650	0.000	1.00	3.633	2.36	82.8	0.0	270.8
24.00		0.00	1.00	20.736	35.044	324.814	0.650	0.000	1.00	3.617	2.35	82.4	0.0	269.8
25.00		0.00	1.00	20.736	35.044	323.348	0.650	0.000	1.00	3.601	2.34	82.0	0.0	268.9
26.00		0.00	1.00	20.736	35.044	321.882	0.650	0.000	1.00	3.585	2.33	81.7	0.0	268.0
27.00		0.00	1.00	20.736	35.044	320.415	0.650	0.000	1.00	3.568	2.32	81.3	0.0	267.1
28.00		0.00	1.00	20.736	35.044	318.949	0.650	0.000	1.00	3.552	2.31	80.9	0.0	266.1
29.00		0.00	1.00	20.736	35.044	317.483	0.650	0.000	1.00	3.536	2.30	80.5	0.0	265.2
30.00		0.00	1.00	20.736	35.044	316.017	0.650	0.000	1.00	3.519	2.29	80.2	0.0	264.3
31.00		0.00	1.00	20.736	35.044	314.551	0.650	0.000	1.00	3.503	2.28	79.8	0.0	263.4
32.00		0.00	1.00	20.736	35.044	313.085	0.650	0.000	1.00	3.487	2.27	79.4	0.0	262.4
33.00		0.00	1.00	20.736	35.044	311.619	0.650	0.000	1.00	3.471	2.26	79.1	0.0	261.5
34.00		0.00	1.00	20.914	35.344	311.478	0.650	0.000	1.00	3.454	2.25	79.4	0.0	260.6
35.00		0.00	1.01	21.088	35.638	311.292	0.650	0.000	1.00	3.438	2.23	79.6	0.0	259.7
36.00		0.00	1.02	21.258	35.926	311.063	0.650	0.000	1.00	3.422	2.22	79.9	0.0	258.7
37.00		0.00	1.03	21.425	36.208	310.793	0.650	0.000	1.00	3.405	2.21	80.1	0.0	257.8
38.00		0.00	1.04	21.589	36.485	310.483	0.650	0.000	1.00	3.389	2.20	80.4	0.0	256.9
39.00		0.00	1.04	21.750	36.757	310.136	0.650	0.000	1.00	3.373	2.19	80.6	0.0	256.0
40.00		0.00	1.05	21.908	37.024	309.753	0.650	0.000	1.00	3.357	2.18	80.8	0.0	255.0
41.00		0.00	1.06	22.063	37.286	309.335	0.650	0.000	1.00	3.340	2.17	81.0	0.0	254.1
41.04	Bot - Section 2	0.00	1.06	22.068	37.295	309.319	0.650	0.000	0.04	0.121	0.08	2.9	0.0	9.2
42.00		0.00	1.07	22.215	37.544	308.884	0.650	0.000	0.96	3.263	2.12	79.6	0.0	401.1
43.00		0.00	1.07	22.365	37.797	308.402	0.650	0.000	1.00	3.370	2.19	82.8	0.0	414.6
44.00		0.00	1.08	22.512	38.046	307.889	0.650	0.000	1.00	3.354	2.18	82.9	0.0	412.8
45.00		0.00	1.09	22.657	38.291	307.346	0.650	0.000	1.00	3.338	2.17	83.1	0.0	411.1
46.00		0.00	1.10	22.800	38.532	306.776	0.650	0.000	1.00	3.321	2.16	83.2	0.0	409.4
46.63	Top - Section 1	0.00	1.10	22.889	38.682	306.402	0.650	0.000	0.63	2.084	1.35	52.4	0.0	257.0
47.00		0.00	1.10	22.941	38.770	312.094	0.650	0.000	0.37	1.221	0.79	30.8	0.0	83.5
48.00		0.00	1.11	23.079	39.004	311.487	0.650	0.000	1.00	3.289	2.14	83.4	0.0	225.1



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

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

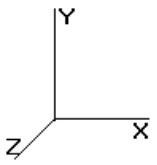
49.00		0.00	1.12	23.215	39.234	310.855	0.650	0.000	1.00	3.272	2.13	83.5	0.0	224.3
50.00		0.00	1.12	23.350	39.461	310.198	0.650	0.000	1.00	3.256	2.12	83.5	0.0	223.5
51.00		0.00	1.13	23.482	39.685	309.516	0.650	0.000	1.00	3.240	2.11	83.6	0.0	222.7
52.00		0.00	1.13	23.613	39.906	308.811	0.650	0.000	1.00	3.224	2.10	83.6	0.0	221.9
53.00		0.00	1.14	23.742	40.124	308.084	0.650	0.000	1.00	3.207	2.08	83.6	0.0	221.2
54.00		0.00	1.15	23.869	40.339	307.335	0.650	0.000	1.00	3.191	2.07	83.7	0.0	220.4
55.00		0.00	1.15	23.994	40.551	306.565	0.650	0.000	1.00	3.175	2.06	83.7	0.0	219.6
56.00		0.00	1.16	24.118	40.760	305.774	0.650	0.000	1.00	3.158	2.05	83.7	0.0	218.8
57.00		0.00	1.16	24.241	40.967	304.963	0.650	0.000	1.00	3.142	2.04	83.7	0.0	218.0
58.00		0.00	1.17	24.361	41.171	304.132	0.650	0.000	1.00	3.126	2.03	83.6	0.0	217.2
59.00		0.00	1.18	24.481	41.372	303.283	0.650	0.000	1.00	3.110	2.02	83.6	0.0	216.4
60.00		0.00	1.18	24.598	41.571	302.415	0.650	0.000	1.00	3.093	2.01	83.6	0.0	215.6
61.00		0.00	1.19	24.715	41.768	301.529	0.650	0.000	1.00	3.077	2.00	83.5	0.0	214.8
62.00		0.00	1.19	24.830	41.963	300.626	0.650	0.000	1.00	3.061	1.99	83.5	0.0	214.0
63.00		0.00	1.20	24.944	42.155	299.706	0.650	0.000	1.00	3.044	1.98	83.4	0.0	213.2
64.00		0.00	1.20	25.056	42.345	298.770	0.650	0.000	1.00	3.028	1.97	83.3	0.0	212.4
65.00		0.00	1.21	25.167	42.533	297.817	0.650	0.000	1.00	3.012	1.96	83.3	0.0	211.7
66.00		0.00	1.21	25.277	42.719	296.849	0.650	0.000	1.00	2.996	1.95	83.2	0.0	210.9
67.00		0.00	1.22	25.386	42.903	295.865	0.650	0.000	1.00	2.979	1.94	83.1	0.0	210.1
68.00		0.00	1.22	25.494	43.085	294.866	0.650	0.000	1.00	2.963	1.93	83.0	0.0	209.3
69.00		0.00	1.23	25.601	43.265	293.853	0.650	0.000	1.00	2.947	1.92	82.9	0.0	208.5
70.00		0.00	1.24	25.706	43.443	292.825	0.650	0.000	1.00	2.930	1.90	82.7	0.0	207.7
71.00		0.00	1.24	25.810	43.620	291.783	0.650	0.000	1.00	2.914	1.89	82.6	0.0	206.9
72.00		0.00	1.25	25.914	43.794	290.728	0.650	0.000	1.00	2.898	1.88	82.5	0.0	206.1
73.00		0.00	1.25	26.016	43.967	289.659	0.650	0.000	1.00	2.881	1.87	82.3	0.0	205.3
74.00		0.00	1.26	26.117	44.138	288.577	0.650	0.000	1.00	2.865	1.86	82.2	0.0	204.5
75.00	Appertunance(s)	0.00	1.26	26.218	44.308	287.483	0.650	0.000	1.00	2.849	1.85	82.0	0.0	203.7
76.00		0.00	1.26	26.317	44.476	286.375	0.650	0.000	1.00	2.833	1.84	81.9	0.0	202.9
77.00		0.00	1.27	26.416	44.642	285.256	0.650	0.000	1.00	2.816	1.83	81.7	0.0	202.2
78.00		0.00	1.27	26.513	44.807	284.124	0.650	0.000	1.00	2.800	1.82	81.6	0.0	201.4
79.00		0.00	1.28	26.610	44.971	282.981	0.650	0.000	1.00	2.784	1.81	81.4	0.0	200.6
80.00		0.00	1.28	26.706	45.133	281.826	0.650	0.000	1.00	2.767	1.80	81.2	0.0	199.8
81.00		0.00	1.29	26.801	45.293	280.660	0.650	0.000	1.00	2.751	1.79	81.0	0.0	199.0
81.49	Bot - Section 3	0.00	1.29	26.847	45.371	280.083	0.650	0.000	0.49	1.346	0.87	39.7	0.0	97.5
82.00		0.00	1.29	26.895	45.452	279.483	0.650	0.000	0.51	1.415	0.92	41.8	0.0	157.5
83.00		0.00	1.30	26.988	45.610	278.295	0.650	0.000	1.00	2.771	1.80	82.1	0.0	308.6
84.00		0.00	1.30	27.081	45.766	277.096	0.650	0.000	1.00	2.754	1.79	81.9	0.0	307.1
85.00		0.00	1.31	27.172	45.921	275.886	0.650	0.000	1.00	2.738	1.78	81.7	0.0	305.7
86.00		0.00	1.31	27.263	46.075	274.667	0.650	0.000	1.00	2.722	1.77	81.5	0.0	304.2
86.18	Top - Section 2	0.00	1.31	27.279	46.102	274.451	0.650	0.000	0.18	0.478	0.31	14.3	0.0	53.5
87.00		0.00	1.31	27.353	46.227	278.821	0.650	0.000	0.82	2.227	1.45	66.9	0.0	144.4
88.00		0.00	1.32	27.443	46.379	277.590	0.650	0.000	1.00	2.689	1.75	81.1	0.0	174.7
89.00		0.00	1.32	27.532	46.529	276.349	0.650	0.000	1.00	2.673	1.74	80.8	0.0	174.0
90.00		0.00	1.33	27.620	46.677	275.098	0.650	0.000	1.00	2.657	1.73	80.6	0.0	173.3
91.00		0.00	1.33	27.707	46.825	273.838	0.650	0.000	1.00	2.640	1.72	80.4	0.0	172.7
92.00		0.00	1.34	27.794	46.971	272.568	0.650	0.000	1.00	2.624	1.71	80.1	0.0	172.0
93.00		0.00	1.34	27.880	47.117	271.290	0.650	0.000	1.00	2.608	1.70	79.9	0.0	171.4
94.00		0.00	1.34	27.965	47.261	270.002	0.650	0.000	1.00	2.591	1.68	79.6	0.0	170.7
95.00		0.00	1.35	28.050	47.404	268.705	0.650	0.000	1.00	2.575	1.67	79.3	0.0	170.0
96.00		0.00	1.35	28.134	47.546	267.400	0.650	0.000	1.00	2.559	1.66	79.1	0.0	169.4
97.00		0.00	1.36	28.217	47.687	266.086	0.650	0.000	1.00	2.543	1.65	78.8	0.0	168.7
98.00		0.00	1.36	28.300	47.827	264.763	0.650	0.000	1.00	2.526	1.64	78.5	0.0	168.1
99.00		0.00	1.36	28.382	47.966	263.432	0.650	0.000	1.00	2.510	1.63	78.3	0.0	167.4
100.0	Appertunance(s)	0.00	1.37	28.464	48.104	262.093	0.650	0.000	1.00	2.494	1.62	78.0	0.0	166.7
101.0		0.00	1.37	28.545	48.241	260.746	0.650	0.000	1.00	2.477	1.61	77.7	0.0	166.1
102.0		0.00	1.38	28.625	48.377	259.390	0.650	0.000	1.00	2.461	1.60	77.4	0.0	165.4
103.0		0.00	1.38	28.705	48.512	258.027	0.650	0.000	1.00	2.445	1.59	77.1	0.0	164.8



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

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

104.0		0.00	1.38	28.785	48.646	256.656	0.650	0.000	1.00	2.429	1.58	76.8	0.0	164.1
105.0		0.00	1.39	28.863	48.779	255.278	0.650	0.000	1.00	2.412	1.57	76.5	0.0	163.4
106.0		0.00	1.39	28.942	48.911	253.892	0.650	0.000	1.00	2.396	1.56	76.2	0.0	162.8
107.0		0.00	1.39	29.019	49.043	252.498	0.650	0.000	1.00	2.380	1.55	75.9	0.0	162.1
108.0		0.00	1.40	29.097	49.173	251.097	0.650	0.000	1.00	2.363	1.54	75.5	0.0	161.5
108.7	Reinf. Top	0.00	1.40	29.154	49.271	250.042	0.650	0.000	0.75	1.762	1.15	56.4	0.0	120.7
109.0		0.00	1.40	29.173	49.303	249.689	0.650	0.000	0.25	0.585	0.38	18.8	0.0	23.4
110.0	Appertunance(s)	0.00	1.41	29.250	49.432	248.274	0.650	0.000	1.00	2.331	1.52	74.9	0.0	93.3
111.0		0.00	1.41	29.325	49.560	246.851	0.650	0.000	1.00	2.315	1.50	74.6	0.0	92.7
112.0		0.00	1.41	29.401	49.687	245.422	0.650	0.000	1.00	2.298	1.49	74.2	0.0	92.0
113.0		0.00	1.42	29.475	49.813	243.986	0.650	0.000	1.00	2.282	1.48	73.9	0.0	91.4
114.0		0.00	1.42	29.550	49.939	242.543	0.650	0.000	1.00	2.266	1.47	73.5	0.0	90.7
115.0		0.00	1.42	29.623	50.064	241.094	0.650	0.000	1.00	2.249	1.46	73.2	0.0	90.0
116.0		0.00	1.43	29.697	50.188	239.638	0.650	0.000	1.00	2.233	1.45	72.8	0.0	89.4
117.0		0.00	1.43	29.770	50.311	238.175	0.650	0.000	1.00	2.217	1.44	72.5	0.0	88.7
118.0		0.00	1.43	29.842	50.433	236.706	0.650	0.000	1.00	2.201	1.43	72.1	0.0	88.1
119.0		0.00	1.44	29.914	50.555	235.230	0.650	0.000	1.00	2.184	1.42	71.8	0.0	87.4
120.0	Appertunance(s)	0.00	1.44	29.986	50.676	233.749	0.650	0.000	1.00	2.168	1.41	71.4	0.0	86.7
121.0		0.00	1.45	30.057	50.796	232.261	0.650	0.000	1.00	2.152	1.40	71.0	0.0	86.1
122.0		0.00	1.45	30.128	50.916	230.767	0.650	0.000	1.00	2.135	1.39	70.7	0.0	85.4
123.0		0.00	1.45	30.198	51.035	229.267	0.650	0.000	1.00	2.119	1.38	70.3	0.0	84.8
124.0		0.00	1.46	30.268	51.153	227.761	0.650	0.000	1.00	2.103	1.37	69.9	0.0	84.1
124.9	Bot - Section 4	0.00	1.46	30.337	51.270	226.259	0.650	0.000	0.99	2.074	1.35	69.1	0.0	82.9
125.0		0.00	1.46	30.338	51.271	226.249	0.650	0.000	0.01	0.013	0.01	0.4	0.0	0.9
126.0		0.00	1.46	30.407	51.387	224.732	0.650	0.000	1.00	2.112	1.37	70.5	0.0	150.5
127.0		0.00	1.47	30.475	51.504	223.208	0.650	0.000	1.00	2.096	1.36	70.2	0.0	149.4
128.0		0.00	1.47	30.544	51.619	221.679	0.650	0.000	1.00	2.079	1.35	69.8	0.0	148.2
128.6	Top - Section 3	0.00	1.47	30.590	51.697	220.634	0.650	0.000	0.68	1.408	0.91	47.3	0.0	100.3
129.0		0.00	1.47	30.612	51.734	224.701	0.650	0.000	0.32	0.655	0.43	22.0	0.0	21.0
130.0		0.00	1.48	30.679	51.848	223.165	0.650	0.000	1.00	2.047	1.33	69.0	0.0	65.6
131.0	Appertunance(s)	0.00	1.48	30.747	51.962	221.625	0.650	0.000	1.00	2.030	1.32	68.6	0.0	65.1
132.0		0.00	1.48	30.814	52.075	220.078	0.650	0.000	1.00	2.014	1.31	68.2	0.0	64.6
133.0	Appertunance(s)	0.00	1.48	30.880	52.187	218.527	0.650	0.000	1.00	1.998	1.30	67.8	0.0	64.1
134.0		0.00	1.49	30.946	52.299	216.969	0.650	0.000	1.00	1.982	1.29	67.4	0.0	63.5
135.0		0.00	1.49	31.012	52.410	215.407	0.650	0.000	1.00	1.965	1.28	66.9	0.0	63.0
136.0		0.00	1.49	31.078	52.521	213.840	0.650	0.000	1.00	1.949	1.27	66.5	0.0	62.5
137.0	Appertunance(s)	0.00	1.50	31.143	52.631	212.267	0.650	0.000	1.00	1.933	1.26	66.1	0.0	61.9
138.0		0.00	1.50	31.207	52.741	210.689	0.650	0.000	1.00	1.916	1.25	65.7	0.0	61.4
139.0		0.00	1.50	31.272	52.849	209.106	0.650	0.000	1.00	1.900	1.24	65.3	0.0	60.9
140.0		0.00	1.51	31.336	52.958	207.518	0.650	0.000	1.00	1.884	1.22	64.8	0.0	60.4
141.0	Appertunance(s)	0.00	1.51	31.400	53.066	205.925	0.650	0.000	1.00	1.868	1.21	64.4	0.0	59.8
142.0		0.00	1.51	31.463	53.173	204.327	0.650	0.000	1.00	1.851	1.20	64.0	0.0	59.3
143.0		0.00	1.52	31.526	53.280	202.724	0.650	0.000	1.00	1.835	1.19	63.5	0.0	58.8
144.0		0.00	1.52	31.589	53.386	201.116	0.650	0.000	1.00	1.819	1.18	63.1	0.0	58.2
145.0		0.00	1.52	31.652	53.491	199.504	0.650	0.000	1.00	1.802	1.17	62.7	0.0	57.7
146.0		0.00	1.52	31.714	53.597	197.887	0.650	0.000	1.00	1.786	1.16	62.2	0.0	57.2
147.0		0.00	1.53	31.776	53.701	196.265	0.650	0.000	1.00	1.770	1.15	61.8	0.0	56.7
147.9	Appertunance(s)	0.00	1.53	31.837	53.804	194.655	0.650	0.000	0.99	1.736	1.13	60.7	0.0	55.6
148.0	Appertunance(s)	0.00	1.53	31.837	53.805	194.639	0.650	0.000	0.01	0.017	0.01	0.6	0.0	0.6
						Totals:			148.00			11,651.6	0.0	29,277.8



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

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

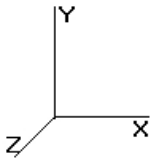
Discrete Appurtenance Segment Forces

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
75.00	PCTEL GPS-TMG-HR-	1	26.218	44.308	0.33	0.03	0.000	0.000	1.32	0.00	0.00	0.60
75.00	Side Arm	1	26.218	44.308	1.00	3.00	0.000	0.000	132.92	0.00	0.00	30.00
100.0	Antel BCD-87010_4°	1	28.863	48.779	1.00	2.90	0.000	5.000	141.46	0.00	707.30	26.50
100.0	Side Arm	1	28.464	48.104	1.00	5.20	0.000	0.000	250.14	0.00	0.00	150.00
110.0	Diamond X50A	2	29.460	49.788	1.00	2.24	0.000	2.800	111.53	0.00	312.27	4.60
110.0	Flat Side Arm	2	29.250	49.432	0.90	11.34	0.000	0.000	560.56	0.00	0.00	300.00
120.0	Alcatel-Lucent 2X50W	3	29.986	50.676	0.50	3.60	0.000	0.000	182.43	0.00	0.00	159.00
120.0	Alcatel-Lucent 4x40W	3	29.986	50.676	0.67	7.70	0.000	0.000	390.12	0.00	0.00	273.00
120.0	Alcatel-LucentTD-RRH	3	29.986	50.676	0.67	9.49	0.000	0.000	480.77	0.00	0.00	198.30
120.0	Flat Low Profile Pla	1	29.986	50.676	1.00	26.10	0.000	0.000	1,322.64	0.00	0.00	1,500.00
120.0	RFS APXVSPP18-C-	3	29.986	50.676	0.67	16.60	0.000	0.000	841.35	0.00	0.00	171.00
120.0	RFS APXVTM14-C-I20	3	29.986	50.676	0.78	16.15	0.000	0.000	818.21	0.00	0.00	158.70
131.0	48" x 12" Panel	9	30.880	52.187	0.67	33.77	0.000	2.000	1,762.26	0.00	3,524.53	270.00
131.0	72" x 12" Panel	3	30.880	52.187	0.67	16.88	0.000	2.000	881.13	0.00	1,762.26	120.00
131.0	Flat Low Profile Pla	1	30.747	51.962	1.00	26.10	0.000	0.000	1,356.21	0.00	0.00	1,500.00
133.0	KMW KMDAPS2040000	3	30.880	52.187	0.33	1.13	0.000	0.000	58.90	0.00	0.00	47.70
137.0	Argus LLPX310R	3	31.143	52.631	0.62	8.98	0.000	0.000	472.83	0.00	0.00	85.80
137.0	DragonWave A-ANT-	1	31.143	52.631	1.00	8.43	0.000	0.000	443.68	0.00	0.00	47.60
137.0	DragonWave Horizon	1	31.143	52.631	0.33	0.14	0.000	0.000	7.47	0.00	0.00	10.60
137.0	NextNet BTS-2500	3	31.143	52.631	0.33	2.10	0.000	0.000	110.46	0.00	0.00	105.00
137.0	Round Side Arm	1	31.143	52.631	1.00	5.20	0.000	0.000	273.68	0.00	0.00	150.00
141.0	Alcatel-Lucent RRH2x	3	31.526	53.280	0.33	2.49	0.000	2.000	132.92	0.00	265.84	132.00
141.0	Antel BXA-171063/8BF	3	31.526	53.280	0.90	7.83	0.000	2.000	417.18	0.00	834.36	31.50
141.0	Antel BXA-70063/6CF	3	31.526	53.280	0.64	14.86	0.000	2.000	791.78	0.00	1,583.55	44.70
141.0	Antel BXA-80063-6BF-	1	31.526	53.280	0.78	5.82	0.000	2.000	310.02	0.00	620.05	19.20
141.0	Antel BXA-80080/6CF	2	31.526	53.280	0.65	10.27	0.000	2.000	547.18	0.00	1,094.36	44.00
141.0	Flat Low Profile Pla	1	31.400	53.066	1.00	26.10	0.000	0.000	1,385.01	0.00	0.00	1,500.00
141.0	RFS DB-T1-6Z-8AB-0Z	1	31.526	53.280	1.00	5.60	0.000	2.000	298.37	0.00	596.73	44.00
141.0	RFS FD9R6004	6	31.526	53.280	0.33	0.73	0.000	2.000	39.03	0.00	78.07	18.60
141.0	Rymsa MGD3-800T0	3	31.526	53.280	0.69	7.14	0.000	2.000	380.50	0.00	760.99	59.40
147.9	Allgon 7770.00	6	32.080	54.216	0.64	22.58	0.000	4.000	1,224.15	0.00	4,896.60	210.00
147.9	Ericsson RRUS 11 (Ba	6	32.080	54.216	0.50	8.82	0.000	4.000	478.18	0.00	1,912.74	330.00
147.9	Flat Platform w/ Han	1	31.837	53.804	1.00	42.40	0.000	0.000	2,281.30	0.00	0.00	2,000.00
147.9	Powerwave LGP21401	12	32.080	54.216	0.33	5.11	0.000	4.000	276.96	0.00	1,107.82	169.20
147.9	Powerwave P65-16-	3	32.080	54.216	0.66	16.63	0.000	4.000	901.72	0.00	3,606.87	159.00
147.9	Raycap DC6-48-60-18-	1	32.080	54.216	1.00	1.47	0.000	4.000	79.70	0.00	318.79	31.80
148.0	Andrew ADFD1820-	2	32.555	55.017	0.62	7.53	0.000	12.000	414.10	0.00	4,969.25	44.00
148.0	Andrew E15S09P94	3	32.555	55.017	0.33	0.65	0.000	12.000	35.95	0.00	431.38	43.80
148.0	Andrew TMZXXX-6516-	1	32.555	55.017	0.57	6.55	0.000	12.000	360.32	0.00	4,323.90	35.20
148.0	Pipe	1	31.837	53.805	1.00	6.40	0.000	0.000	344.35	0.00	0.00	200.00
148.0	RFS ATMAP1412D-	3	32.555	55.017	0.33	1.16	0.000	12.000	63.73	0.00	764.72	39.00
									21,362.53			10,463.80

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)



12/5/2013 11:40:38 AM

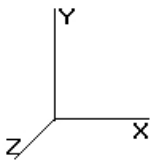
Load Case: No Ice — 90.00 mph Wind with No Ice — 30 Iterations

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

Linear Appurtenance Segment Forces

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Weight (lb/ft)	CaAa (sf/ft)	qz (psf)	F X (lb)	Dead Load (lb)
1.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
2.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
3.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
4.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
5.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
6.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
6.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
6.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
6.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
6.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
6.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
6.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
6.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
6.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
7.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
7.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
7.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
7.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
7.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
7.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
7.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
7.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
7.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
8.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
8.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
8.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
8.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
8.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
8.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
8.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
8.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
8.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
9.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
9.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
9.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
9.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
9.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
9.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
9.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
9.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
9.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
10.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
10.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
10.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
10.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
10.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
10.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
10.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
10.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
10.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
11.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92

Pole :	**302515**		**Code: TIA/EIA-222 Rev F**				**12/5/2013 11:40:38 AM**	
Location :	**SMFR - North, CT**						**Page: 11**	
Height :	**148.00 (ft)**							
Base Dia :	**48.000 (in)**							
Top Dia :	**20.944 (in)**		**Base Elev : 0.000 (ft)**					
Shape :	**18 Sides**							
Taper :	**0.195479 (in/ft)**							



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

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

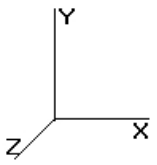
11.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
11.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
11.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
11.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
11.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
11.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
11.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
11.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
12.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
12.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
12.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
12.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
12.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
12.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
12.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
12.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
12.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
13.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
13.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
13.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
13.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
13.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
13.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
13.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
13.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
13.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
14.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
14.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
14.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
14.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
14.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
14.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
14.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
14.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
14.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
15.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
15.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
15.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
15.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
15.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
15.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
15.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
15.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
15.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
16.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
16.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
16.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
16.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
16.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
16.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
16.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
16.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
16.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
17.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
17.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
17.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
17.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67

Pole :	**302515**		**Code: TIA/EIA-222 Rev F**				**12/5/2013 11:40:38 AM**	
Location :	**SMFR - North, CT**						**Page: 12**	
Height :	**148.00 (ft)**							
Base Dia :	**48.000 (in)**							
Top Dia :	**20.944 (in)**		**Base Elev : 0.000 (ft)**					
Shape :	**18 Sides**							
Taper :	**0.195479 (in/ft)**							

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

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

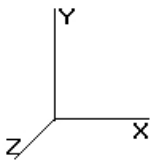
17.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
17.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
17.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
17.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
17.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
18.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
18.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
18.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
18.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
18.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
18.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
18.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
18.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
18.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
19.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
19.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
19.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
19.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
19.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
19.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
19.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
19.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
19.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
20.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
20.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
20.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
20.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
20.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
20.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
20.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
20.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
20.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
21.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
21.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
21.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
21.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
21.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
21.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
21.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
21.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
21.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
22.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
22.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
22.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
22.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
22.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
22.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
22.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
22.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
22.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
23.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
23.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
23.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
23.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
23.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
23.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
23.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00



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

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

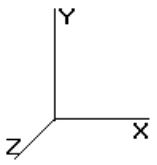
23.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
23.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
24.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
24.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
24.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
24.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
24.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
24.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
24.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
24.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
24.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
25.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
25.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
25.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
25.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
25.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
25.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
25.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
25.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
25.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
26.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
26.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
26.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
26.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
26.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
26.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
26.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
26.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
26.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
27.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
27.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
27.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
27.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
27.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
27.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
27.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
27.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
27.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
28.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
28.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
28.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
28.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
28.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
28.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
28.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
28.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
28.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
29.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
29.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
29.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
29.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
29.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
29.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
29.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
29.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
29.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
30.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92



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

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

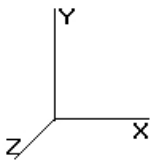
30.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
30.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
30.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
30.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
30.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
30.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
30.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
30.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
31.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
31.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
31.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
31.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
31.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
31.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
31.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
31.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
31.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
32.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
32.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
32.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
32.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
32.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
32.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
32.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
32.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
32.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
33.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.736	7.01	4.92
33.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
33.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.736	8.41	3.65
33.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.736	0.00	5.67
33.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
33.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.736	0.00	3.00
33.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.736	17.52	0.00
33.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.736	0.00	0.33
33.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.736	0.00	0.15
34.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	20.914	7.07	4.92
34.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.914	0.00	0.15
34.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	20.914	8.48	3.65
34.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	20.914	0.00	5.67
34.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.914	0.00	3.00
34.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	20.914	0.00	3.00
34.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	20.914	17.67	0.00
34.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	20.914	0.00	0.33
34.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	20.914	0.00	0.15
35.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	21.088	7.13	4.92
35.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.088	0.00	0.15
35.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	21.088	8.55	3.65
35.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	21.088	0.00	5.67
35.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.088	0.00	3.00
35.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.088	0.00	3.00
35.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	21.088	17.82	0.00
35.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	21.088	0.00	0.33
35.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.088	0.00	0.15
36.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	21.258	7.19	4.92
36.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.258	0.00	0.15
36.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	21.258	8.62	3.65
36.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	21.258	0.00	5.67



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

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

36.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.258	0.00	3.00
36.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.258	0.00	3.00
36.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	21.258	17.96	0.00
36.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	21.258	0.00	0.33
36.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.258	0.00	0.15
37.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	21.425	7.24	4.92
37.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.425	0.00	0.15
37.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	21.425	8.69	3.65
37.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	21.425	0.00	5.67
37.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.425	0.00	3.00
37.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.425	0.00	3.00
37.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	21.425	18.10	0.00
37.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	21.425	0.00	0.33
37.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.425	0.00	0.15
38.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	21.589	7.30	4.92
38.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.589	0.00	0.15
38.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	21.589	8.76	3.65
38.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	21.589	0.00	5.67
38.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.589	0.00	3.00
38.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.589	0.00	3.00
38.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	21.589	18.24	0.00
38.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	21.589	0.00	0.33
38.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.589	0.00	0.15
39.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	21.750	7.35	4.92
39.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.750	0.00	0.15
39.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	21.750	8.82	3.65
39.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	21.750	0.00	5.67
39.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.750	0.00	3.00
39.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.750	0.00	3.00
39.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	21.750	18.38	0.00
39.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	21.750	0.00	0.33
39.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.750	0.00	0.15
40.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	21.908	7.40	4.92
40.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.908	0.00	0.15
40.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	21.908	8.89	3.65
40.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	21.908	0.00	5.67
40.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.908	0.00	3.00
40.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	21.908	0.00	3.00
40.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	21.908	18.51	0.00
40.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	21.908	0.00	0.33
40.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	21.908	0.00	0.15
41.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	22.063	7.46	4.92
41.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.063	0.00	0.15
41.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	22.063	8.95	3.65
41.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	22.063	0.00	5.67
41.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.063	0.00	3.00
41.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.063	0.00	3.00
41.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	22.063	18.64	0.00
41.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	22.063	0.00	0.33
41.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.063	0.00	0.15
41.04	(6) 1 5/8" Coax	Yes	0.04	4.92	0.20	22.068	0.27	0.18
41.04	(1) 1/2" Coax	Yes	0.04	0.15	0.00	22.068	0.00	0.01
41.04	(1) 2" Conduit	Yes	0.04	3.65	0.24	22.068	0.32	0.13
41.04	(9) 1 1/4" Coax	Yes	0.04	5.67	0.00	22.068	0.00	0.21
41.04	(3) 1 1/4" Hybriflex	Yes	0.04	3.00	0.00	22.068	0.00	0.11
41.04	(1) 1 1/4" Hybriflex	Yes	0.04	3.00	0.00	22.068	0.00	0.11
41.04	(4) DYWIDAG	Yes	0.04	0.00	0.50	22.068	0.68	0.00

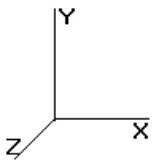


Load Case: No Ice — 90.00 mph Wind with No Ice — 30 Iterations

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

41.04	(1) 7/8" Coax	Yes	0.04	0.33	0.00	22.068	0.00	0.01
41.04	(1) 1/2" Coax	Yes	0.04	0.15	0.00	22.068	0.00	0.01
42.00	(6) 1 5/8" Coax	Yes	0.96	4.92	0.20	22.215	7.24	4.74
42.00	(1) 1/2" Coax	Yes	0.96	0.15	0.00	22.215	0.00	0.14
42.00	(1) 2" Conduit	Yes	0.96	3.65	0.24	22.215	8.68	3.52
42.00	(9) 1 1/4" Coax	Yes	0.96	5.67	0.00	22.215	0.00	5.46
42.00	(3) 1 1/4" Hybriflex	Yes	0.96	3.00	0.00	22.215	0.00	2.89
42.00	(1) 1 1/4" Hybriflex	Yes	0.96	3.00	0.00	22.215	0.00	2.89
42.00	(4) DYWIDAG	Yes	0.96	0.00	0.50	22.215	18.09	0.00
42.00	(1) 7/8" Coax	Yes	0.96	0.33	0.00	22.215	0.00	0.32
42.00	(1) 1/2" Coax	Yes	0.96	0.15	0.00	22.215	0.00	0.14
43.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	22.365	7.56	4.92
43.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.365	0.00	0.15
43.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	22.365	9.07	3.65
43.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	22.365	0.00	5.67
43.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.365	0.00	3.00
43.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.365	0.00	3.00
43.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	22.365	18.90	0.00
43.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	22.365	0.00	0.33
43.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.365	0.00	0.15
44.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	22.512	7.61	4.92
44.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.512	0.00	0.15
44.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	22.512	9.13	3.65
44.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	22.512	0.00	5.67
44.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.512	0.00	3.00
44.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.512	0.00	3.00
44.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	22.512	19.02	0.00
44.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	22.512	0.00	0.33
44.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.512	0.00	0.15
45.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	22.657	7.66	4.92
45.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.657	0.00	0.15
45.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	22.657	9.19	3.65
45.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	22.657	0.00	5.67
45.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.657	0.00	3.00
45.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.657	0.00	3.00
45.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	22.657	19.15	0.00
45.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	22.657	0.00	0.33
45.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.657	0.00	0.15
46.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	22.800	7.71	4.92
46.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.800	0.00	0.15
46.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	22.800	9.25	3.65
46.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	22.800	0.00	5.67
46.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.800	0.00	3.00
46.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	22.800	0.00	3.00
46.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	22.800	19.27	0.00
46.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	22.800	0.00	0.33
46.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	22.800	0.00	0.15
46.63	(6) 1 5/8" Coax	Yes	0.63	4.92	0.20	22.889	4.87	3.10
46.63	(1) 1/2" Coax	Yes	0.63	0.15	0.00	22.889	0.00	0.09
46.63	(1) 2" Conduit	Yes	0.63	3.65	0.24	22.889	5.85	2.30
46.63	(9) 1 1/4" Coax	Yes	0.63	5.67	0.00	22.889	0.00	3.57
46.63	(3) 1 1/4" Hybriflex	Yes	0.63	3.00	0.00	22.889	0.00	1.89
46.63	(1) 1 1/4" Hybriflex	Yes	0.63	3.00	0.00	22.889	0.00	1.89
46.63	(4) DYWIDAG	Yes	0.63	0.00	0.50	22.889	12.18	0.00
46.63	(1) 7/8" Coax	Yes	0.63	0.33	0.00	22.889	0.00	0.21
46.63	(1) 1/2" Coax	Yes	0.63	0.15	0.00	22.889	0.00	0.09
47.00	(6) 1 5/8" Coax	Yes	0.37	4.92	0.20	22.941	2.87	1.82

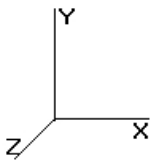
Pole :	**302515**		**Code: TIA/EIA-222 Rev F**				**12/5/2013 11:40:39 AM**	
Location :	**SMFR - North, CT**						**Page: 17**	
Height :	**148.00 (ft)**							
Base Dia :	**48.000 (in)**							
Top Dia :	**20.944 (in)**		**Base Elev : 0.000 (ft)**					
Shape :	**18 Sides**							
Taper :	**0.195479 (in/ft)**							



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

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

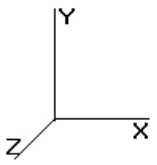
47.00	(1) 1/2" Coax	Yes	0.37	0.15	0.00	22.941	0.00	0.06
47.00	(1) 2" Conduit	Yes	0.37	3.65	0.24	22.941	3.44	1.35
47.00	(9) 1 1/4" Coax	Yes	0.37	5.67	0.00	22.941	0.00	2.10
47.00	(3) 1 1/4" Hybriflex	Yes	0.37	3.00	0.00	22.941	0.00	1.11
47.00	(1) 1 1/4" Hybriflex	Yes	0.37	3.00	0.00	22.941	0.00	1.11
47.00	(4) DYWIDAG	Yes	0.37	0.00	0.50	22.941	7.17	0.00
47.00	(1) 7/8" Coax	Yes	0.37	0.33	0.00	22.941	0.00	0.12
47.00	(1) 1/2" Coax	Yes	0.37	0.15	0.00	22.941	0.00	0.06
48.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	23.079	7.80	4.92
48.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.079	0.00	0.15
48.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	23.079	9.36	3.65
48.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	23.079	0.00	5.67
48.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.079	0.00	3.00
48.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.079	0.00	3.00
48.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	23.079	19.50	0.00
48.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	23.079	0.00	0.33
48.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.079	0.00	0.15
49.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	23.215	7.85	4.92
49.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.215	0.00	0.15
49.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	23.215	9.42	3.65
49.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	23.215	0.00	5.67
49.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.215	0.00	3.00
49.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.215	0.00	3.00
49.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	23.215	19.62	0.00
49.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	23.215	0.00	0.33
49.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.215	0.00	0.15
50.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	23.350	7.89	4.92
50.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.350	0.00	0.15
50.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	23.350	9.47	3.65
50.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	23.350	0.00	5.67
50.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.350	0.00	3.00
50.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.350	0.00	3.00
50.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	23.350	19.73	0.00
50.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	23.350	0.00	0.33
50.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.350	0.00	0.15
51.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	23.482	7.94	4.92
51.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.482	0.00	0.15
51.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	23.482	9.52	3.65
51.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	23.482	0.00	5.67
51.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.482	0.00	3.00
51.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.482	0.00	3.00
51.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	23.482	19.84	0.00
51.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	23.482	0.00	0.33
51.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.482	0.00	0.15
52.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	23.613	7.98	4.92
52.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.613	0.00	0.15
52.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	23.613	9.58	3.65
52.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	23.613	0.00	5.67
52.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.613	0.00	3.00
52.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.613	0.00	3.00
52.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	23.613	19.95	0.00
52.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	23.613	0.00	0.33
52.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.613	0.00	0.15
53.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	23.742	8.02	4.92
53.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.742	0.00	0.15
53.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	23.742	9.63	3.65
53.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	23.742	0.00	5.67



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

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

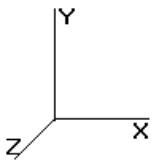
53.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.742	0.00	3.00
53.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.742	0.00	3.00
53.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	23.742	20.06	0.00
53.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	23.742	0.00	0.33
53.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.742	0.00	0.15
54.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	23.869	8.07	4.92
54.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.869	0.00	0.15
54.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	23.869	9.68	3.65
54.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	23.869	0.00	5.67
54.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.869	0.00	3.00
54.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.869	0.00	3.00
54.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	23.869	20.17	0.00
54.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	23.869	0.00	0.33
54.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.869	0.00	0.15
55.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	23.994	8.11	4.92
55.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.994	0.00	0.15
55.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	23.994	9.73	3.65
55.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	23.994	0.00	5.67
55.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.994	0.00	3.00
55.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	23.994	0.00	3.00
55.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	23.994	20.28	0.00
55.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	23.994	0.00	0.33
55.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	23.994	0.00	0.15
56.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	24.118	8.15	4.92
56.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.118	0.00	0.15
56.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	24.118	9.78	3.65
56.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	24.118	0.00	5.67
56.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.118	0.00	3.00
56.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.118	0.00	3.00
56.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	24.118	20.38	0.00
56.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	24.118	0.00	0.33
56.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.118	0.00	0.15
57.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	24.241	8.19	4.92
57.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.241	0.00	0.15
57.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	24.241	9.83	3.65
57.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	24.241	0.00	5.67
57.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.241	0.00	3.00
57.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.241	0.00	3.00
57.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	24.241	20.48	0.00
57.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	24.241	0.00	0.33
57.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.241	0.00	0.15
58.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	24.361	8.23	4.92
58.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.361	0.00	0.15
58.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	24.361	9.88	3.65
58.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	24.361	0.00	5.67
58.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.361	0.00	3.00
58.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.361	0.00	3.00
58.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	24.361	20.59	0.00
58.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	24.361	0.00	0.33
58.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.361	0.00	0.15
59.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	24.481	8.27	4.92
59.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.481	0.00	0.15
59.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	24.481	9.93	3.65
59.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	24.481	0.00	5.67
59.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.481	0.00	3.00
59.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.481	0.00	3.00
59.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	24.481	20.69	0.00



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

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

59.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	24.481	0.00	0.33
59.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.481	0.00	0.15
60.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	24.598	8.31	4.92
60.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.598	0.00	0.15
60.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	24.598	9.98	3.65
60.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	24.598	0.00	5.67
60.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.598	0.00	3.00
60.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.598	0.00	3.00
60.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	24.598	20.79	0.00
60.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	24.598	0.00	0.33
60.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.598	0.00	0.15
61.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	24.715	8.35	4.92
61.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.715	0.00	0.15
61.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	24.715	10.02	3.65
61.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	24.715	0.00	5.67
61.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.715	0.00	3.00
61.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.715	0.00	3.00
61.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	24.715	20.88	0.00
61.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	24.715	0.00	0.33
61.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.715	0.00	0.15
62.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	24.830	8.39	4.92
62.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.830	0.00	0.15
62.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	24.830	10.07	3.65
62.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	24.830	0.00	5.67
62.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.830	0.00	3.00
62.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.830	0.00	3.00
62.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	24.830	20.98	0.00
62.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	24.830	0.00	0.33
62.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.830	0.00	0.15
63.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	24.944	8.43	4.92
63.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.944	0.00	0.15
63.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	24.944	10.12	3.65
63.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	24.944	0.00	5.67
63.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.944	0.00	3.00
63.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	24.944	0.00	3.00
63.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	24.944	21.08	0.00
63.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	24.944	0.00	0.33
63.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	24.944	0.00	0.15
64.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.056	8.47	4.92
64.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.056	0.00	0.15
64.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.056	10.16	3.65
64.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.056	0.00	5.67
64.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.056	0.00	3.00
64.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.056	0.00	3.00
64.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.056	21.17	0.00
64.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.056	0.00	0.33
64.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.056	0.00	0.15
65.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.167	8.51	4.92
65.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.167	0.00	0.15
65.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.167	10.21	3.65
65.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.167	0.00	5.67
65.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.167	0.00	3.00
65.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.167	0.00	3.00
65.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.167	21.27	0.00
65.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.167	0.00	0.33
65.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.167	0.00	0.15
66.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.277	8.54	4.92

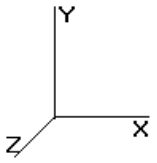


Load Case: No Ice — 90.00 mph Wind with No Ice — 30 Iterations

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

66.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.277	0.00	0.15
66.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.277	10.25	3.65
66.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.277	0.00	5.67
66.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.277	0.00	3.00
66.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.277	0.00	3.00
66.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.277	21.36	0.00
66.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.277	0.00	0.33
66.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.277	0.00	0.15
67.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.386	8.58	4.92
67.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.386	0.00	0.15
67.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.386	10.30	3.65
67.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.386	0.00	5.67
67.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.386	0.00	3.00
67.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.386	0.00	3.00
67.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.386	21.45	0.00
67.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.386	0.00	0.33
67.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.386	0.00	0.15
68.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.494	8.62	4.92
68.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.494	0.00	0.15
68.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.494	10.34	3.65
68.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.494	0.00	5.67
68.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.494	0.00	3.00
68.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.494	0.00	3.00
68.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.494	21.54	0.00
68.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.494	0.00	0.33
68.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.494	0.00	0.15
69.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.601	8.65	4.92
69.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.601	0.00	0.15
69.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.601	10.38	3.65
69.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.601	0.00	5.67
69.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.601	0.00	3.00
69.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.601	0.00	3.00
69.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.601	21.63	0.00
69.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.601	0.00	0.33
69.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.601	0.00	0.15
70.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.706	8.69	4.92
70.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.706	0.00	0.15
70.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.706	10.43	3.65
70.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.706	0.00	5.67
70.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.706	0.00	3.00
70.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.706	0.00	3.00
70.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.706	21.72	0.00
70.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.706	0.00	0.33
70.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.706	0.00	0.15
71.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.810	8.72	4.92
71.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.810	0.00	0.15
71.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.810	10.47	3.65
71.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.810	0.00	5.67
71.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.810	0.00	3.00
71.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.810	0.00	3.00
71.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.810	21.81	0.00
71.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.810	0.00	0.33
71.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.810	0.00	0.15
72.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	25.914	8.76	4.92
72.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.914	0.00	0.15
72.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	25.914	10.51	3.65
72.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	25.914	0.00	5.67

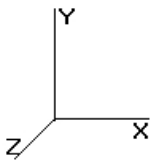
Pole :	**302515**		**Code: TIA/EIA-222 Rev F**				**12/5/2013 11:40:39 AM**	
Location :	**SMFR - North, CT**						**Page: 21**	
Height :	**148.00 (ft)**							
Base Dia :	**48.000 (in)**							
Top Dia :	**20.944 (in)**		**Base Elev : 0.000 (ft)**					
Shape :	**18 Sides**							
Taper :	**0.195479 (in/ft)**							



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

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

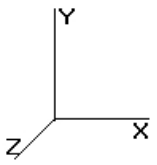
72.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.914	0.00	3.00
72.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	25.914	0.00	3.00
72.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	25.914	21.90	0.00
72.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	25.914	0.00	0.33
72.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	25.914	0.00	0.15
73.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.016	8.79	4.92
73.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.016	0.00	0.15
73.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.016	10.55	3.65
73.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.016	0.00	5.67
73.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.016	0.00	3.00
73.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.016	0.00	3.00
73.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.016	21.98	0.00
73.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.016	0.00	0.33
73.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.016	0.00	0.15
74.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.117	8.83	4.92
74.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.117	0.00	0.15
74.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.117	10.59	3.65
74.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.117	0.00	5.67
74.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.117	0.00	3.00
74.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.117	0.00	3.00
74.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.117	22.07	0.00
74.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.117	0.00	0.33
74.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.117	0.00	0.15
75.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.218	8.86	4.92
75.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.218	0.00	0.15
75.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.218	10.63	3.65
75.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.218	0.00	5.67
75.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.218	0.00	3.00
75.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.218	0.00	3.00
75.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.218	22.15	0.00
75.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.218	0.00	0.33
75.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.218	0.00	0.15
76.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.317	8.90	4.92
76.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.317	0.00	0.15
76.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.317	10.67	3.65
76.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.317	0.00	5.67
76.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.317	0.00	3.00
76.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.317	0.00	3.00
76.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.317	22.24	0.00
76.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.317	0.00	0.33
77.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.416	8.93	4.92
77.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.416	0.00	0.15
77.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.416	10.71	3.65
77.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.416	0.00	5.67
77.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.416	0.00	3.00
77.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.416	0.00	3.00
77.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.416	22.32	0.00
77.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.416	0.00	0.33
78.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.513	8.96	4.92
78.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.513	0.00	0.15
78.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.513	10.75	3.65
78.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.513	0.00	5.67
78.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.513	0.00	3.00
78.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.513	0.00	3.00
78.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.513	22.40	0.00
78.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.513	0.00	0.33
79.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.610	8.99	4.92



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

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

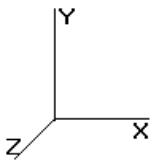
79.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.610	0.00	0.15
79.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.610	10.79	3.65
79.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.610	0.00	5.67
79.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.610	0.00	3.00
79.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.610	0.00	3.00
79.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.610	22.49	0.00
79.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.610	0.00	0.33
80.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.706	9.03	4.92
80.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.706	0.00	0.15
80.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.706	10.83	3.65
80.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.706	0.00	5.67
80.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.706	0.00	3.00
80.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.706	0.00	3.00
80.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.706	22.57	0.00
80.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.706	0.00	0.33
81.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.801	9.06	4.92
81.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.801	0.00	0.15
81.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.801	10.87	3.65
81.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.801	0.00	5.67
81.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.801	0.00	3.00
81.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.801	0.00	3.00
81.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.801	22.65	0.00
81.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.801	0.00	0.33
81.49	(6) 1 5/8" Coax	Yes	0.49	4.92	0.20	26.847	4.46	2.42
81.49	(1) 1/2" Coax	Yes	0.49	0.15	0.00	26.847	0.00	0.07
81.49	(1) 2" Conduit	Yes	0.49	3.65	0.24	26.847	5.35	1.79
81.49	(9) 1 1/4" Coax	Yes	0.49	5.67	0.00	26.847	0.00	2.79
81.49	(3) 1 1/4" Hybriflex	Yes	0.49	3.00	0.00	26.847	0.00	1.47
81.49	(1) 1 1/4" Hybriflex	Yes	0.49	3.00	0.00	26.847	0.00	1.47
81.49	(4) DYWIDAG	Yes	0.49	0.00	0.50	26.847	11.15	0.00
81.49	(1) 7/8" Coax	Yes	0.49	0.33	0.00	26.847	0.00	0.16
82.00	(6) 1 5/8" Coax	Yes	0.51	4.92	0.20	26.895	4.62	2.50
82.00	(1) 1/2" Coax	Yes	0.51	0.15	0.00	26.895	0.00	0.08
82.00	(1) 2" Conduit	Yes	0.51	3.65	0.24	26.895	5.55	1.86
82.00	(9) 1 1/4" Coax	Yes	0.51	5.67	0.00	26.895	0.00	2.88
82.00	(3) 1 1/4" Hybriflex	Yes	0.51	3.00	0.00	26.895	0.00	1.53
82.00	(1) 1 1/4" Hybriflex	Yes	0.51	3.00	0.00	26.895	0.00	1.53
82.00	(4) DYWIDAG	Yes	0.51	0.00	0.50	26.895	11.56	0.00
82.00	(1) 7/8" Coax	Yes	0.51	0.33	0.00	26.895	0.00	0.17
83.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	26.988	9.12	4.92
83.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	26.988	0.00	0.15
83.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	26.988	10.95	3.65
83.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	26.988	0.00	5.67
83.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.988	0.00	3.00
83.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	26.988	0.00	3.00
83.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	26.988	22.80	0.00
83.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	26.988	0.00	0.33
84.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.081	9.15	4.92
84.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.081	0.00	0.15
84.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.081	10.98	3.65
84.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.081	0.00	5.67
84.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.081	0.00	3.00
84.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.081	0.00	3.00
84.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.081	22.88	0.00
84.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.081	0.00	0.33
85.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.172	9.18	4.92
85.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.172	0.00	0.15



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

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

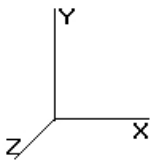
85.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.172	11.02	3.65
85.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.172	0.00	5.67
85.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.172	0.00	3.00
85.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.172	0.00	3.00
85.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.172	22.96	0.00
85.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.172	0.00	0.33
86.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.263	9.21	4.92
86.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.263	0.00	0.15
86.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.263	11.06	3.65
86.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.263	0.00	5.67
86.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.263	0.00	3.00
86.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.263	0.00	3.00
86.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.263	23.04	0.00
86.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.263	0.00	0.33
86.18	(6) 1 5/8" Coax	Yes	0.18	4.92	0.20	27.279	1.63	0.87
86.18	(1) 1/2" Coax	Yes	0.18	0.15	0.00	27.279	0.00	0.03
86.18	(1) 2" Conduit	Yes	0.18	3.65	0.24	27.279	1.95	0.64
86.18	(9) 1 1/4" Coax	Yes	0.18	5.67	0.00	27.279	0.00	1.00
86.18	(3) 1 1/4" Hybriflex	Yes	0.18	3.00	0.00	27.279	0.00	0.53
86.18	(1) 1 1/4" Hybriflex	Yes	0.18	3.00	0.00	27.279	0.00	0.53
86.18	(4) DYWIDAG	Yes	0.18	0.00	0.50	27.279	4.06	0.00
86.18	(1) 7/8" Coax	Yes	0.18	0.33	0.00	27.279	0.00	0.06
87.00	(6) 1 5/8" Coax	Yes	0.82	4.92	0.20	27.353	7.62	4.05
87.00	(1) 1/2" Coax	Yes	0.82	0.15	0.00	27.353	0.00	0.12
87.00	(1) 2" Conduit	Yes	0.82	3.65	0.24	27.353	9.14	3.01
87.00	(9) 1 1/4" Coax	Yes	0.82	5.67	0.00	27.353	0.00	4.67
87.00	(3) 1 1/4" Hybriflex	Yes	0.82	3.00	0.00	27.353	0.00	2.47
87.00	(1) 1 1/4" Hybriflex	Yes	0.82	3.00	0.00	27.353	0.00	2.47
87.00	(4) DYWIDAG	Yes	0.82	0.00	0.50	27.353	19.04	0.00
87.00	(1) 7/8" Coax	Yes	0.82	0.33	0.00	27.353	0.00	0.27
88.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.443	9.28	4.92
88.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.443	0.00	0.15
88.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.443	11.13	3.65
88.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.443	0.00	5.67
88.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.443	0.00	3.00
88.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.443	0.00	3.00
88.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.443	23.19	0.00
88.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.443	0.00	0.33
89.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.532	9.31	4.92
89.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.532	0.00	0.15
89.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.532	11.17	3.65
89.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.532	0.00	5.67
89.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.532	0.00	3.00
89.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.532	0.00	3.00
89.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.532	23.26	0.00
89.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.532	0.00	0.33
90.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.620	9.34	4.92
90.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.620	0.00	0.15
90.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.620	11.20	3.65
90.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.620	0.00	5.67
90.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.620	0.00	3.00
90.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.620	0.00	3.00
90.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.620	23.34	0.00
90.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.620	0.00	0.33
91.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.707	9.36	4.92
91.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.707	0.00	0.15
91.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.707	11.24	3.65



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

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

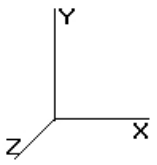
91.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.707	0.00	5.67
91.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.707	0.00	3.00
91.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.707	0.00	3.00
91.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.707	23.41	0.00
91.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.707	0.00	0.33
92.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.794	9.39	4.92
92.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.794	0.00	0.15
92.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.794	11.27	3.65
92.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.794	0.00	5.67
92.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.794	0.00	3.00
92.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.794	0.00	3.00
92.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.794	23.49	0.00
92.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.794	0.00	0.33
93.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.880	9.42	4.92
93.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.880	0.00	0.15
93.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.880	11.31	3.65
93.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.880	0.00	5.67
93.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.880	0.00	3.00
93.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.880	0.00	3.00
93.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.880	23.56	0.00
93.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.880	0.00	0.33
94.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	27.965	9.45	4.92
94.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	27.965	0.00	0.15
94.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	27.965	11.34	3.65
94.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	27.965	0.00	5.67
94.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.965	0.00	3.00
94.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	27.965	0.00	3.00
94.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	27.965	23.63	0.00
94.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	27.965	0.00	0.33
95.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.050	9.48	4.92
95.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.050	0.00	0.15
95.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.050	11.38	3.65
95.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.050	0.00	5.67
95.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.050	0.00	3.00
95.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.050	0.00	3.00
95.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.050	23.70	0.00
95.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	28.050	0.00	0.33
96.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.134	9.51	4.92
96.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.134	0.00	0.15
96.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.134	11.41	3.65
96.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.134	0.00	5.67
96.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.134	0.00	3.00
96.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.134	0.00	3.00
96.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.134	23.77	0.00
96.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	28.134	0.00	0.33
97.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.217	9.54	4.92
97.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.217	0.00	0.15
97.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.217	11.44	3.65
97.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.217	0.00	5.67
97.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.217	0.00	3.00
97.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.217	0.00	3.00
97.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.217	23.84	0.00
97.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	28.217	0.00	0.33
98.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.300	9.57	4.92
98.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.300	0.00	0.15
98.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.300	11.48	3.65
98.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.300	0.00	5.67



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

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

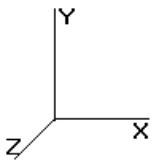
98.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.300	0.00	3.00
98.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.300	0.00	3.00
98.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.300	23.91	0.00
98.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	28.300	0.00	0.33
99.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.382	9.59	4.92
99.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.382	0.00	0.15
99.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.382	11.51	3.65
99.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.382	0.00	5.67
99.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.382	0.00	3.00
99.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.382	0.00	3.00
99.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.382	23.98	0.00
99.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	28.382	0.00	0.33
100.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.464	9.62	4.92
100.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.464	0.00	0.15
100.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.464	11.54	3.65
100.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.464	0.00	5.67
100.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.464	0.00	3.00
100.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.464	0.00	3.00
100.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.464	24.05	0.00
100.0	(1) 7/8" Coax	Yes	1.00	0.33	0.00	28.464	0.00	0.33
101.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.545	9.65	4.92
101.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.545	0.00	0.15
101.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.545	11.58	3.65
101.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.545	0.00	5.67
101.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.545	0.00	3.00
101.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.545	0.00	3.00
101.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.545	24.12	0.00
102.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.625	9.68	4.92
102.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.625	0.00	0.15
102.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.625	11.61	3.65
102.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.625	0.00	5.67
102.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.625	0.00	3.00
102.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.625	0.00	3.00
102.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.625	24.19	0.00
103.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.705	9.70	4.92
103.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.705	0.00	0.15
103.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.705	11.64	3.65
103.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.705	0.00	5.67
103.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.705	0.00	3.00
103.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.705	0.00	3.00
103.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.705	24.26	0.00
104.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.785	9.73	4.92
104.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.785	0.00	0.15
104.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.785	11.68	3.65
104.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.785	0.00	5.67
104.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.785	0.00	3.00
104.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.785	0.00	3.00
104.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.785	24.32	0.00
105.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.863	9.76	4.92
105.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.863	0.00	0.15
105.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.863	11.71	3.65
105.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.863	0.00	5.67
105.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.863	0.00	3.00
105.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.863	0.00	3.00
105.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.863	24.39	0.00
106.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	28.942	9.78	4.92
106.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	28.942	0.00	0.15



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

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

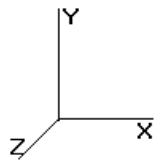
106.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	28.942	11.74	3.65
106.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	28.942	0.00	5.67
106.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.942	0.00	3.00
106.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	28.942	0.00	3.00
106.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	28.942	24.46	0.00
107.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.019	9.81	4.92
107.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.019	0.00	0.15
107.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.019	11.77	3.65
107.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.019	0.00	5.67
107.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.019	0.00	3.00
107.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.019	0.00	3.00
107.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	29.019	24.52	0.00
108.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.097	9.83	4.92
108.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.097	0.00	0.15
108.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.097	11.80	3.65
108.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.097	0.00	5.67
108.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.097	0.00	3.00
108.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.097	0.00	3.00
108.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	29.097	24.59	0.00
108.7	(6) 1 5/8" Coax	Yes	0.75	4.92	0.20	29.154	7.39	3.69
108.7	(1) 1/2" Coax	Yes	0.75	0.15	0.00	29.154	0.00	0.11
108.7	(1) 2" Conduit	Yes	0.75	3.65	0.24	29.154	8.87	2.74
108.7	(9) 1 1/4" Coax	Yes	0.75	5.67	0.00	29.154	0.00	4.25
108.7	(3) 1 1/4" Hybriflex	Yes	0.75	3.00	0.00	29.154	0.00	2.25
108.7	(1) 1 1/4" Hybriflex	Yes	0.75	3.00	0.00	29.154	0.00	2.25
108.7	(4) DYWIDAG	Yes	0.75	0.00	0.50	29.154	18.48	0.00
109.0	(6) 1 5/8" Coax	Yes	0.25	4.92	0.20	29.173	2.47	1.23
109.0	(1) 1/2" Coax	Yes	0.25	0.15	0.00	29.173	0.00	0.04
109.0	(1) 2" Conduit	Yes	0.25	3.65	0.24	29.173	2.96	0.91
109.0	(9) 1 1/4" Coax	Yes	0.25	5.67	0.00	29.173	0.00	1.42
109.0	(3) 1 1/4" Hybriflex	Yes	0.25	3.00	0.00	29.173	0.00	0.75
109.0	(1) 1 1/4" Hybriflex	Yes	0.25	3.00	0.00	29.173	0.00	0.75
109.0	(4) DYWIDAG	Yes	0.25	0.00	0.50	29.173	6.16	0.00
110.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.250	9.89	4.92
110.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.250	0.00	0.15
110.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.250	11.86	3.65
110.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.250	0.00	5.67
110.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.250	0.00	3.00
110.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.250	0.00	3.00
110.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	29.250	24.72	0.00
111.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.325	9.91	4.92
111.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.325	0.00	0.15
111.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.325	11.89	3.65
111.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.325	0.00	5.67
111.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.325	0.00	3.00
111.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.325	0.00	3.00
111.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	29.325	24.78	0.00
112.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.401	9.94	4.92
112.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.401	0.00	0.15
112.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.401	11.92	3.65
112.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.401	0.00	5.67
112.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.401	0.00	3.00
112.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.401	0.00	3.00
112.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	29.401	24.84	0.00
113.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.475	9.96	4.92
113.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.475	0.00	0.15
113.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.475	11.96	3.65



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

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

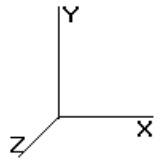
113.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.475	0.00	5.67
113.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.475	0.00	3.00
113.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.475	0.00	3.00
113.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	29.475	24.91	0.00
114.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.550	9.99	4.92
114.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.550	0.00	0.15
114.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.550	11.99	3.65
114.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.550	0.00	5.67
114.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.550	0.00	3.00
114.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.550	0.00	3.00
114.0	(4) DYWIDAG	Yes	0.25	0.00	0.50	29.550	6.24	0.00
115.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.623	10.01	4.92
115.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.623	0.00	0.15
115.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.623	12.02	3.65
115.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.623	0.00	5.67
115.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.623	0.00	3.00
115.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.623	0.00	3.00
116.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.697	10.04	4.92
116.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.697	0.00	0.15
116.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.697	12.05	3.65
116.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.697	0.00	5.67
116.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.697	0.00	3.00
116.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.697	0.00	3.00
117.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.770	10.06	4.92
117.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.770	0.00	0.15
117.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.770	12.07	3.65
117.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.770	0.00	5.67
117.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.770	0.00	3.00
117.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.770	0.00	3.00
118.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.842	10.09	4.92
118.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.842	0.00	0.15
118.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.842	12.10	3.65
118.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.842	0.00	5.67
118.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.842	0.00	3.00
118.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.842	0.00	3.00
119.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.914	10.11	4.92
119.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.914	0.00	0.15
119.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.914	12.13	3.65
119.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.914	0.00	5.67
119.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.914	0.00	3.00
119.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.914	0.00	3.00
120.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	29.986	10.14	4.92
120.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	29.986	0.00	0.15
120.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	29.986	12.16	3.65
120.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	29.986	0.00	5.67
120.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.986	0.00	3.00
120.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	29.986	0.00	3.00
121.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.057	10.16	4.92
121.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.057	0.00	0.15
121.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.057	12.19	3.65
121.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.057	0.00	5.67
122.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.128	10.18	4.92
122.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.128	0.00	0.15
122.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.128	12.22	3.65
122.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.128	0.00	5.67
123.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.198	10.21	4.92
123.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.198	0.00	0.15



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

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

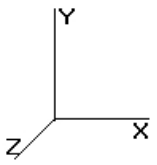
123.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.198	12.25	3.65
123.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.198	0.00	5.67
124.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.268	10.23	4.92
124.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.268	0.00	0.15
124.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.268	12.28	3.65
124.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.268	0.00	5.67
124.9	(6) 1 5/8" Coax	Yes	0.99	4.92	0.20	30.337	10.19	4.89
124.9	(1) 1/2" Coax	Yes	0.99	0.15	0.00	30.337	0.00	0.15
124.9	(1) 2" Conduit	Yes	0.99	3.65	0.24	30.337	12.23	3.63
124.9	(9) 1 1/4" Coax	Yes	0.99	5.67	0.00	30.337	0.00	5.64
125.0	(6) 1 5/8" Coax	Yes	0.01	4.92	0.20	30.338	0.06	0.03
125.0	(1) 1/2" Coax	Yes	0.01	0.15	0.00	30.338	0.00	0.00
125.0	(1) 2" Conduit	Yes	0.01	3.65	0.24	30.338	0.08	0.02
125.0	(9) 1 1/4" Coax	Yes	0.01	5.67	0.00	30.338	0.00	0.03
126.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.407	10.28	4.92
126.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.407	0.00	0.15
126.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.407	12.33	3.65
126.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.407	0.00	5.67
127.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.475	10.30	4.92
127.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.475	0.00	0.15
127.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.475	12.36	3.65
127.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.475	0.00	5.67
128.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.544	10.32	4.92
128.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.544	0.00	0.15
128.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.544	12.39	3.65
128.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.544	0.00	5.67
128.6	(6) 1 5/8" Coax	Yes	0.68	4.92	0.20	30.590	7.05	3.35
128.6	(1) 1/2" Coax	Yes	0.68	0.15	0.00	30.590	0.00	0.10
128.6	(1) 2" Conduit	Yes	0.68	3.65	0.24	30.590	8.45	2.49
128.6	(9) 1 1/4" Coax	Yes	0.68	5.67	0.00	30.590	0.00	3.86
129.0	(6) 1 5/8" Coax	Yes	0.32	4.92	0.20	30.612	3.30	1.57
129.0	(1) 1/2" Coax	Yes	0.32	0.15	0.00	30.612	0.00	0.05
129.0	(1) 2" Conduit	Yes	0.32	3.65	0.24	30.612	3.96	1.16
129.0	(9) 1 1/4" Coax	Yes	0.32	5.67	0.00	30.612	0.00	1.81
130.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.679	10.37	4.92
130.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.679	0.00	0.15
130.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.679	12.44	3.65
130.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.679	0.00	5.67
131.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.747	10.39	4.92
131.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.747	0.00	0.15
131.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.747	12.47	3.65
131.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	30.747	0.00	5.67
132.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.814	10.41	4.92
132.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.814	0.00	0.15
132.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.814	12.50	3.65
133.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.880	10.44	4.92
133.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.880	0.00	0.15
133.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.880	12.52	3.65
134.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	30.946	10.46	4.92
134.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	30.946	0.00	0.15
134.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	30.946	12.55	3.65
135.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.012	10.48	4.92
135.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	31.012	0.00	0.15
135.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	31.012	12.58	3.65
136.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.078	10.50	4.92
136.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	31.078	0.00	0.15
136.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	31.078	12.61	3.65



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

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

137.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.143		10.53	4.92
137.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	31.143		0.00	0.15
137.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	31.143		12.63	3.65
138.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.207		10.55	4.92
139.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.272		10.57	4.92
140.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.336		10.59	4.92
141.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.400		10.61	4.92
142.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.463		10.63	4.92
143.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.526		10.66	4.92
144.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.589		10.68	4.92
145.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.652		10.70	4.92
146.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.714		10.72	4.92
147.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	31.776		10.74	4.92
147.9	(6) 1 5/8" Coax	Yes	0.99	4.92	0.20	31.837		10.65	4.87
148.0	(6) 1 5/8" Coax	Yes	0.01	4.92	0.20	31.837		0.11	0.05
							Totals:	4,951.91	2,651.43

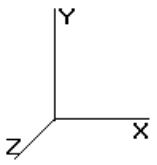


Load Case: No Ice — 90.00 mph Wind with No Ice — 30 Iterations

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

Applied Segment Forces Summary

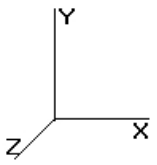
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	108.45	291.07	0.00	0.00
2.00	108.08	290.15	0.00	0.00
3.00	107.71	289.22	0.00	0.00
4.00	107.34	288.30	0.00	0.00
5.00	106.97	287.38	0.00	0.00
6.00	122.01	340.11	0.00	0.00
7.00	121.64	339.19	0.00	0.00
8.00	121.27	338.26	0.00	0.00
9.00	120.90	337.34	0.00	0.00
10.00	120.53	336.42	0.00	0.00
11.00	120.16	335.49	0.00	0.00
12.00	119.79	334.57	0.00	0.00
13.00	119.42	333.65	0.00	0.00
14.00	119.05	332.72	0.00	0.00
15.00	118.67	331.80	0.00	0.00
16.00	118.30	330.88	0.00	0.00
17.00	117.93	329.95	0.00	0.00
18.00	117.56	329.03	0.00	0.00
19.00	117.19	328.10	0.00	0.00
20.00	116.82	327.18	0.00	0.00
21.00	116.45	326.26	0.00	0.00
22.00	116.08	325.33	0.00	0.00
23.00	115.71	324.41	0.00	0.00
24.00	115.34	323.49	0.00	0.00
25.00	114.96	322.56	0.00	0.00
26.00	114.59	321.64	0.00	0.00
27.00	114.22	320.72	0.00	0.00
28.00	113.85	319.79	0.00	0.00
29.00	113.48	318.87	0.00	0.00
30.00	113.11	317.94	0.00	0.00
31.00	112.74	317.02	0.00	0.00
32.00	112.37	316.10	0.00	0.00
33.00	112.00	315.17	0.00	0.00
34.00	112.58	314.25	0.00	0.00
35.00	113.14	313.33	0.00	0.00
36.00	113.67	312.40	0.00	0.00
37.00	114.18	311.48	0.00	0.00
38.00	114.67	310.56	0.00	0.00
39.00	115.14	309.63	0.00	0.00
40.00	115.58	308.71	0.00	0.00
41.00	116.00	307.78	0.00	0.00
41.04	4.20	11.14	0.00	0.00
42.00	113.65	452.86	0.00	0.00
43.00	118.33	468.21	0.00	0.00
44.00	118.70	466.49	0.00	0.00
45.00	119.06	464.78	0.00	0.00
46.00	119.41	463.06	0.00	0.00
46.63	75.31	290.85	0.00	0.00
47.00	44.25	103.35	0.00	0.00



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

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

48.00	120.04	278.77	0.00	0.00
49.00	120.33	277.98	0.00	0.00
50.00	120.61	277.19	0.00	0.00
51.00	120.88	276.40	0.00	0.00
52.00	121.13	275.61	0.00	0.00
53.00	121.36	274.81	0.00	0.00
54.00	121.59	274.02	0.00	0.00
55.00	121.80	273.23	0.00	0.00
56.00	121.99	272.44	0.00	0.00
57.00	122.18	271.65	0.00	0.00
58.00	122.35	270.86	0.00	0.00
59.00	122.51	270.06	0.00	0.00
60.00	122.66	269.27	0.00	0.00
61.00	122.80	268.48	0.00	0.00
62.00	122.93	267.69	0.00	0.00
63.00	123.04	266.90	0.00	0.00
64.00	123.15	266.11	0.00	0.00
65.00	123.25	265.31	0.00	0.00
66.00	123.33	264.52	0.00	0.00
67.00	123.41	263.73	0.00	0.00
68.00	123.48	262.94	0.00	0.00
69.00	123.54	262.15	0.00	0.00
70.00	123.58	261.36	0.00	0.00
71.00	123.62	260.56	0.00	0.00
72.00	123.66	259.77	0.00	0.00
73.00	123.68	258.98	0.00	0.00
74.00	123.69	258.19	0.00	0.00
75.00	257.94	288.00	0.00	0.00
76.00	123.70	256.45	0.00	0.00
77.00	123.69	255.66	0.00	0.00
78.00	123.67	254.87	0.00	0.00
79.00	123.64	254.08	0.00	0.00
80.00	123.61	253.29	0.00	0.00
81.00	123.57	252.50	0.00	0.00
81.49	60.66	123.80	0.00	0.00
82.00	63.54	184.69	0.00	0.00
83.00	125.01	362.07	0.00	0.00
84.00	124.96	360.62	0.00	0.00
85.00	124.89	359.17	0.00	0.00
86.00	124.82	357.72	0.00	0.00
86.18	21.96	62.90	0.00	0.00
87.00	102.73	188.45	0.00	0.00
88.00	124.66	228.17	0.00	0.00
89.00	124.58	227.51	0.00	0.00
90.00	124.48	226.85	0.00	0.00
91.00	124.38	226.19	0.00	0.00
92.00	124.27	225.53	0.00	0.00
93.00	124.15	224.87	0.00	0.00
94.00	124.03	224.21	0.00	0.00
95.00	123.91	223.55	0.00	0.00
96.00	123.78	222.89	0.00	0.00
97.00	123.64	222.23	0.00	0.00
98.00	123.49	221.57	0.00	0.00
99.00	123.34	220.91	0.00	0.00
100.0	514.79	396.75	0.00	707.30
101.0	123.03	219.26	0.00	0.00
102.0	122.86	218.60	0.00	0.00



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

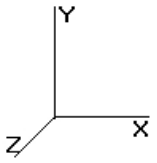
Gust Response Factor 1.69
Dead Load Factor : 1.00
Wind Load Factor : 1.00

103.0		122.69	217.94	0.00	0.00
104.0		122.52	217.28	0.00	0.00
105.0		122.34	216.62	0.00	0.00
106.0		122.15	215.96	0.00	0.00
107.0		121.96	215.30	0.00	0.00
108.0		121.76	214.64	0.00	0.00
108.7		91.16	160.55	0.00	0.00
109.0		30.34	36.73	0.00	0.00
110.0		793.44	451.12	0.00	312.27
111.0		121.15	145.56	0.00	0.00
112.0		120.93	144.90	0.00	0.00
113.0		120.71	144.24	0.00	0.00
114.0		101.76	143.58	0.00	0.00
115.0		95.23	142.92	0.00	0.00
116.0		94.93	142.26	0.00	0.00
117.0		94.63	141.61	0.00	0.00
118.0		94.33	140.95	0.00	0.00
119.0		94.02	140.29	0.00	0.00
120.0		4,129.25	2,599.63	0.00	0.00
121.0		93.39	132.97	0.00	0.00
122.0		93.07	132.31	0.00	0.00
123.0		92.75	131.65	0.00	0.00
124.0		92.42	130.99	0.00	0.00
124.9		91.53	129.53	0.00	0.00
125.0		0.57	1.21	0.00	0.00
126.0		93.15	197.42	0.00	0.00
127.0		92.82	196.23	0.00	0.00
128.0		92.48	195.04	0.00	0.00
128.6		62.80	132.23	0.00	0.00
129.0		29.29	35.95	0.00	0.00
130.0		91.79	112.52	0.00	0.00
131.0		4,091.04	2,001.99	0.00	5,286.79
132.0		91.09	100.87	0.00	0.00
133.0		149.63	148.04	0.00	0.00
134.0		90.37	99.82	0.00	0.00
135.0		90.01	99.29	0.00	0.00
136.0		89.64	98.76	0.00	0.00
137.0		1,397.39	497.23	0.00	0.00
138.0		76.24	90.96	0.00	0.00
139.0		75.84	90.44	0.00	0.00
140.0		75.44	89.91	0.00	0.00
141.0		4,377.02	1,982.78	0.00	5,833.96
142.0		74.62	77.71	0.00	0.00
143.0		74.20	77.19	0.00	0.00
144.0		73.79	76.66	0.00	0.00
145.0		73.37	76.13	0.00	0.00
146.0		72.94	75.60	0.00	0.00
147.0		72.52	75.07	0.00	0.00
147.9		5,313.37	2,973.80	0.00	11,842.82
148.0		1,219.18	362.66	0.00	10,489.24
	Totals:	37,965.99	46,876.36	0.00	34,472.37

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

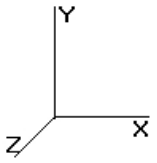


Load Case: No Ice — 90.00 mph Wind with No Ice — 30 Iterations

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

Calculated Shaft Forces and Deflections

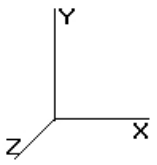
Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-37.985	-46.860	0.000	0.000	0.000	-4,244.783	0.000	0.000	0.000	0.000
1.00	-37.914	-46.538	0.000	0.000	0.000	-4,206.799	-0.005	0.000	0.005	-0.046
2.00	-37.842	-46.218	0.000	0.000	0.000	-4,168.886	-0.020	0.000	0.020	-0.092
3.00	-37.771	-45.899	0.000	0.000	0.000	-4,131.045	-0.045	0.000	0.045	-0.138
4.00	-37.699	-45.580	0.000	0.000	0.000	-4,093.275	-0.079	0.000	0.079	-0.184
5.00	-37.628	-45.263	0.000	0.000	0.000	-4,055.577	-0.122	0.000	0.122	-0.230
6.00	-37.540	-44.893	0.000	0.000	0.000	-4,017.950	-0.176	0.000	0.176	-0.276
7.00	-37.453	-44.525	0.000	0.000	0.000	-3,980.410	-0.239	0.000	0.239	-0.322
8.00	-37.365	-44.157	0.000	0.000	0.000	-3,942.958	-0.312	0.000	0.312	-0.368
9.00	-37.278	-43.790	0.000	0.000	0.000	-3,905.593	-0.394	0.000	0.394	-0.415
10.00	-37.190	-43.424	0.000	0.000	0.000	-3,868.317	-0.486	0.000	0.486	-0.461
11.00	-37.102	-43.060	0.000	0.000	0.000	-3,831.128	-0.588	0.000	0.588	-0.508
12.00	-37.014	-42.696	0.000	0.000	0.000	-3,794.027	-0.700	0.000	0.700	-0.554
13.00	-36.925	-42.334	0.000	0.000	0.000	-3,757.014	-0.822	0.000	0.822	-0.601
14.00	-36.837	-41.972	0.000	0.000	0.000	-3,720.089	-0.953	0.000	0.953	-0.648
15.00	-36.748	-41.612	0.000	0.000	0.000	-3,683.253	-1.094	0.000	1.094	-0.695
16.00	-36.660	-41.252	0.000	0.000	0.000	-3,646.505	-1.245	0.000	1.245	-0.742
17.00	-36.571	-40.894	0.000	0.000	0.000	-3,609.846	-1.406	0.000	1.406	-0.789
18.00	-36.482	-40.537	0.000	0.000	0.000	-3,573.275	-1.576	0.000	1.576	-0.836
19.00	-36.393	-40.181	0.000	0.000	0.000	-3,536.794	-1.757	0.000	1.757	-0.883
20.00	-36.304	-39.825	0.000	0.000	0.000	-3,500.401	-1.947	0.000	1.947	-0.930
21.00	-36.215	-39.471	0.000	0.000	0.000	-3,464.098	-2.147	0.000	2.147	-0.977
22.00	-36.125	-39.118	0.000	0.000	0.000	-3,427.884	-2.357	0.000	2.357	-1.024
23.00	-36.036	-38.766	0.000	0.000	0.000	-3,391.759	-2.577	0.000	2.577	-1.072
24.00	-35.946	-38.415	0.000	0.000	0.000	-3,355.724	-2.807	0.000	2.807	-1.119
25.00	-35.856	-38.065	0.000	0.000	0.000	-3,319.779	-3.047	0.000	3.047	-1.167
26.00	-35.766	-37.716	0.000	0.000	0.000	-3,283.923	-3.297	0.000	3.297	-1.214
27.00	-35.676	-37.369	0.000	0.000	0.000	-3,248.158	-3.556	0.000	3.556	-1.262
28.00	-35.586	-37.022	0.000	0.000	0.000	-3,212.483	-3.826	0.000	3.826	-1.309
29.00	-35.495	-36.676	0.000	0.000	0.000	-3,176.897	-4.106	0.000	4.106	-1.357
30.00	-35.405	-36.332	0.000	0.000	0.000	-3,141.402	-4.396	0.000	4.396	-1.404
31.00	-35.314	-35.988	0.000	0.000	0.000	-3,105.998	-4.695	0.000	4.695	-1.452
32.00	-35.224	-35.646	0.000	0.000	0.000	-3,070.684	-5.005	0.000	5.005	-1.500
33.00	-35.133	-35.304	0.000	0.000	0.000	-3,035.461	-5.324	0.000	5.324	-1.548
34.00	-35.041	-34.964	0.000	0.000	0.000	-3,000.329	-5.654	0.000	5.654	-1.596
35.00	-34.948	-34.625	0.000	0.000	0.000	-2,965.289	-5.994	0.000	5.994	-1.643
36.00	-34.854	-34.287	0.000	0.000	0.000	-2,930.342	-6.343	0.000	6.343	-1.691
37.00	-34.759	-33.950	0.000	0.000	0.000	-2,895.489	-6.703	0.000	6.703	-1.739
38.00	-34.663	-33.614	0.000	0.000	0.000	-2,860.731	-7.073	0.000	7.073	-1.787
39.00	-34.566	-33.279	0.000	0.000	0.000	-2,826.069	-7.453	0.000	7.453	-1.835
40.00	-34.468	-32.946	0.000	0.000	0.000	-2,791.504	-7.842	0.000	7.842	-1.883
41.00	-34.356	-32.627	0.000	0.000	0.000	-2,757.037	-8.242	0.000	8.242	-1.931
41.04	-34.365	-32.602	0.000	0.000	0.000	-2,755.791	-8.257	0.000	8.257	-1.933
42.00	-34.262	-32.125	0.000	0.000	0.000	-2,722.673	-8.652	0.000	8.652	-1.979
43.00	-34.153	-31.633	0.000	0.000	0.000	-2,688.412	-9.072	0.000	9.072	-2.026
44.00	-34.044	-31.143	0.000	0.000	0.000	-2,654.259	-9.502	0.000	9.502	-2.074
45.00	-33.933	-30.655	0.000	0.000	0.000	-2,620.215	-9.941	0.000	9.941	-2.121
46.00	-33.817	-30.174	0.000	0.000	0.000	-2,586.283	-10.391	0.000	10.391	-2.169
46.63	-33.743	-29.872	0.000	0.000	0.000	-2,564.978	-10.680	0.000	10.680	-2.199
47.00	-33.713	-29.750	0.000	0.000	0.000	-2,552.494	-10.851	0.000	10.851	-2.216
48.00	-33.608	-29.447	0.000	0.000	0.000	-2,518.782	-11.321	0.000	11.321	-2.267



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

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

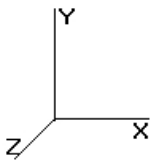
49.00	-33.502	-29.144	0.000	0.000	0.000	-2,485.174	-11.801	0.000	11.801	-2.317
50.00	-33.395	-28.843	0.000	0.000	0.000	-2,451.673	-12.292	0.000	12.292	-2.367
51.00	-33.288	-28.543	0.000	0.000	0.000	-2,418.278	-12.793	0.000	12.793	-2.417
52.00	-33.180	-28.244	0.000	0.000	0.000	-2,384.991	-13.305	0.000	13.305	-2.467
53.00	-33.071	-27.946	0.000	0.000	0.000	-2,351.811	-13.828	0.000	13.828	-2.517
54.00	-32.962	-27.649	0.000	0.000	0.000	-2,318.741	-14.361	0.000	14.361	-2.567
55.00	-32.851	-27.353	0.000	0.000	0.000	-2,285.780	-14.904	0.000	14.904	-2.617
56.00	-32.740	-27.058	0.000	0.000	0.000	-2,252.929	-15.458	0.000	15.458	-2.667
57.00	-32.629	-26.764	0.000	0.000	0.000	-2,220.189	-16.022	0.000	16.022	-2.717
58.00	-32.517	-26.471	0.000	0.000	0.000	-2,187.561	-16.596	0.000	16.596	-2.766
59.00	-32.404	-26.179	0.000	0.000	0.000	-2,155.045	-17.181	0.000	17.181	-2.816
60.00	-32.290	-25.888	0.000	0.000	0.000	-2,122.642	-17.777	0.000	17.777	-2.865
61.00	-32.176	-25.599	0.000	0.000	0.000	-2,090.352	-18.382	0.000	18.382	-2.915
62.00	-32.061	-25.310	0.000	0.000	0.000	-2,058.177	-18.998	0.000	18.998	-2.964
63.00	-31.946	-25.023	0.000	0.000	0.000	-2,026.116	-19.624	0.000	19.624	-3.013
64.00	-31.830	-24.736	0.000	0.000	0.000	-1,994.170	-20.261	0.000	20.261	-3.062
65.00	-31.713	-24.451	0.000	0.000	0.000	-1,962.341	-20.908	0.000	20.908	-3.111
66.00	-31.596	-24.167	0.000	0.000	0.000	-1,930.628	-21.565	0.000	21.565	-3.160
67.00	-31.479	-23.884	0.000	0.000	0.000	-1,899.032	-22.232	0.000	22.232	-3.208
68.00	-31.361	-23.602	0.000	0.000	0.000	-1,867.554	-22.909	0.000	22.909	-3.257
69.00	-31.242	-23.321	0.000	0.000	0.000	-1,836.194	-23.597	0.000	23.597	-3.305
70.00	-31.123	-23.041	0.000	0.000	0.000	-1,804.952	-24.294	0.000	24.294	-3.353
71.00	-31.003	-22.762	0.000	0.000	0.000	-1,773.830	-25.002	0.000	25.002	-3.401
72.00	-30.883	-22.485	0.000	0.000	0.000	-1,742.827	-25.719	0.000	25.719	-3.449
73.00	-30.762	-22.208	0.000	0.000	0.000	-1,711.945	-26.447	0.000	26.447	-3.497
74.00	-30.641	-21.933	0.000	0.000	0.000	-1,681.183	-27.184	0.000	27.184	-3.544
75.00	-30.383	-21.636	0.000	0.000	0.000	-1,650.543	-27.932	0.000	27.932	-3.592
76.00	-30.261	-21.363	0.000	0.000	0.000	-1,620.160	-28.689	0.000	28.689	-3.639
77.00	-30.139	-21.091	0.000	0.000	0.000	-1,589.899	-29.456	0.000	29.456	-3.685
78.00	-30.016	-20.821	0.000	0.000	0.000	-1,559.761	-30.233	0.000	30.233	-3.732
79.00	-29.892	-20.551	0.000	0.000	0.000	-1,529.745	-31.019	0.000	31.019	-3.778
80.00	-29.768	-20.283	0.000	0.000	0.000	-1,499.853	-31.816	0.000	31.816	-3.824
81.00	-29.640	-20.022	0.000	0.000	0.000	-1,470.085	-32.621	0.000	32.621	-3.870
81.49	-29.579	-19.890	0.000	0.000	0.000	-1,455.519	-33.021	0.000	33.021	-3.893
82.00	-29.515	-19.693	0.000	0.000	0.000	-1,440.477	-33.437	0.000	33.437	-3.916
83.00	-29.380	-19.317	0.000	0.000	0.000	-1,410.962	-34.262	0.000	34.262	-3.961
84.00	-29.245	-18.944	0.000	0.000	0.000	-1,381.582	-35.096	0.000	35.096	-4.005
85.00	-29.110	-18.572	0.000	0.000	0.000	-1,352.337	-35.939	0.000	35.939	-4.049
86.00	-28.968	-18.211	0.000	0.000	0.000	-1,323.228	-36.792	0.000	36.792	-4.093
86.18	-28.949	-18.139	0.000	0.000	0.000	-1,318.122	-36.943	0.000	36.943	-4.101
87.00	-28.846	-17.937	0.000	0.000	0.000	-1,294.276	-37.654	0.000	37.654	-4.137
88.00	-28.719	-17.696	0.000	0.000	0.000	-1,265.431	-38.525	0.000	38.525	-4.183
89.00	-28.592	-17.455	0.000	0.000	0.000	-1,236.713	-39.406	0.000	39.406	-4.228
90.00	-28.464	-17.216	0.000	0.000	0.000	-1,208.121	-40.296	0.000	40.296	-4.274
91.00	-28.337	-16.978	0.000	0.000	0.000	-1,179.657	-41.196	0.000	41.196	-4.318
92.00	-28.208	-16.741	0.000	0.000	0.000	-1,151.321	-42.105	0.000	42.105	-4.363
93.00	-28.080	-16.504	0.000	0.000	0.000	-1,123.113	-43.023	0.000	43.023	-4.407
94.00	-27.951	-16.269	0.000	0.000	0.000	-1,095.033	-43.950	0.000	43.950	-4.450
95.00	-27.822	-16.035	0.000	0.000	0.000	-1,067.082	-44.887	0.000	44.887	-4.493
96.00	-27.693	-15.803	0.000	0.000	0.000	-1,039.260	-45.832	0.000	45.832	-4.536
97.00	-27.564	-15.571	0.000	0.000	0.000	-1,011.567	-46.786	0.000	46.786	-4.578
98.00	-27.434	-15.340	0.000	0.000	0.000	-984.004	-47.749	0.000	47.749	-4.619
99.00	-27.304	-15.110	0.000	0.000	0.000	-956.571	-48.720	0.000	48.720	-4.660
100.0	-26.769	-14.738	0.000	0.000	0.000	-928.560	-49.700	0.000	49.700	-4.701
101.0	-26.638	-14.512	0.000	0.000	0.000	-901.792	-50.689	0.000	50.689	-4.741
102.0	-26.507	-14.286	0.000	0.000	0.000	-875.154	-51.685	0.000	51.685	-4.780
103.0	-26.376	-14.061	0.000	0.000	0.000	-848.647	-52.690	0.000	52.690	-4.818



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

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

104.0	-26.245	-13.838	0.000	0.000	0.000	-822.271	-53.703	0.000	53.703	-4.857
105.0	-26.113	-13.616	0.000	0.000	0.000	-796.027	-54.723	0.000	54.723	-4.894
106.0	-25.982	-13.394	0.000	0.000	0.000	-769.914	-55.752	0.000	55.752	-4.931
107.0	-25.850	-13.174	0.000	0.000	0.000	-743.933	-56.788	0.000	56.788	-4.967
108.0	-25.717	-12.957	0.000	0.000	0.000	-718.083	-57.831	0.000	57.831	-5.002
108.7	-25.616	-12.797	0.000	0.000	0.000	-698.796	-58.618	0.000	58.618	-5.028
109.0	-25.591	-12.745	0.000	0.000	0.000	-692.392	-58.882	0.000	58.882	-5.037
110.0	-24.777	-12.335	0.000	0.000	0.000	-666.489	-59.944	0.000	59.944	-5.109
111.0	-24.658	-12.171	0.000	0.000	0.000	-641.712	-61.021	0.000	61.021	-5.180
112.0	-24.539	-12.008	0.000	0.000	0.000	-617.055	-62.112	0.000	62.112	-5.250
113.0	-24.419	-11.847	0.000	0.000	0.000	-592.516	-63.218	0.000	63.218	-5.318
114.0	-24.318	-11.685	0.000	0.000	0.000	-568.097	-64.338	0.000	64.338	-5.386
115.0	-24.223	-11.524	0.000	0.000	0.000	-543.780	-65.472	0.000	65.472	-5.451
116.0	-24.128	-11.365	0.000	0.000	0.000	-519.557	-66.620	0.000	66.620	-5.516
117.0	-24.032	-11.207	0.000	0.000	0.000	-495.430	-67.780	0.000	67.780	-5.578
118.0	-23.936	-11.051	0.000	0.000	0.000	-471.398	-68.954	0.000	68.954	-5.639
119.0	-23.840	-10.896	0.000	0.000	0.000	-447.463	-70.140	0.000	70.140	-5.699
120.0	-19.480	-8.703	0.000	0.000	0.000	-423.624	-71.338	0.000	71.338	-5.756
121.0	-19.382	-8.561	0.000	0.000	0.000	-404.144	-72.549	0.000	72.549	-5.812
122.0	-19.284	-8.421	0.000	0.000	0.000	-384.763	-73.770	0.000	73.770	-5.867
123.0	-19.186	-8.282	0.000	0.000	0.000	-365.479	-75.003	0.000	75.003	-5.920
124.0	-19.087	-8.145	0.000	0.000	0.000	-346.294	-76.247	0.000	76.247	-5.972
124.9	-18.986	-8.017	0.000	0.000	0.000	-327.324	-77.493	0.000	77.493	-6.021
125.0	-18.989	-8.008	0.000	0.000	0.000	-327.207	-77.501	0.000	77.501	-6.022
126.0	-18.882	-7.806	0.000	0.000	0.000	-308.219	-78.766	0.000	78.766	-6.070
127.0	-18.775	-7.606	0.000	0.000	0.000	-289.337	-80.040	0.000	80.040	-6.116
128.0	-18.667	-7.410	0.000	0.000	0.000	-270.562	-81.324	0.000	81.324	-6.161
128.6	-18.593	-7.278	0.000	0.000	0.000	-257.842	-82.204	0.000	82.204	-6.190
129.0	-18.564	-7.235	0.000	0.000	0.000	-251.919	-82.617	0.000	82.617	-6.204
130.0	-18.466	-7.118	0.000	0.000	0.000	-233.355	-83.919	0.000	83.919	-6.251
131.0	-14.185	-5.565	0.000	0.000	0.000	-209.602	-85.232	0.000	85.232	-6.296
132.0	-14.087	-5.465	0.000	0.000	0.000	-195.417	-86.553	0.000	86.553	-6.338
133.0	-13.926	-5.325	0.000	0.000	0.000	-181.330	-87.882	0.000	87.882	-6.377
134.0	-13.828	-5.227	0.000	0.000	0.000	-167.405	-89.219	0.000	89.219	-6.415
135.0	-13.731	-5.130	0.000	0.000	0.000	-153.577	-90.565	0.000	90.565	-6.450
136.0	-13.633	-5.035	0.000	0.000	0.000	-139.846	-91.917	0.000	91.917	-6.483
137.0	-12.191	-4.693	0.000	0.000	0.000	-126.213	-93.275	0.000	93.275	-6.514
138.0	-12.107	-4.605	0.000	0.000	0.000	-114.022	-94.640	0.000	94.640	-6.543
139.0	-12.024	-4.519	0.000	0.000	0.000	-101.915	-96.011	0.000	96.011	-6.569
140.0	-11.940	-4.433	0.000	0.000	0.000	-89.891	-97.387	0.000	97.387	-6.593
141.0	-7.365	-2.965	0.000	0.000	0.000	-72.118	-98.768	0.000	98.768	-6.615
142.0	-7.283	-2.894	0.000	0.000	0.000	-64.753	-100.152	0.000	100.152	-6.633
143.0	-7.201	-2.824	0.000	0.000	0.000	-57.470	-101.540	0.000	101.540	-6.649
144.0	-7.120	-2.755	0.000	0.000	0.000	-50.269	-102.932	0.000	102.932	-6.664
145.0	-7.038	-2.686	0.000	0.000	0.000	-43.149	-104.326	0.000	104.326	-6.678
146.0	-6.958	-2.618	0.000	0.000	0.000	-36.111	-105.723	0.000	105.723	-6.690
147.0	-6.877	-2.551	0.000	0.000	0.000	-29.153	-107.123	0.000	107.123	-6.699
147.9	-1.253	-0.218	0.000	0.000	0.000	-10.502	-108.510	0.000	108.510	-6.707
148.0	-1.219	0.000	0.000	0.000	0.000	-10.489	-108.524	0.000	108.524	-6.707

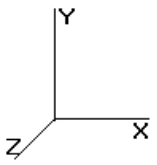


Load Case: No Ice — 90.00 mph Wind with No Ice — 30 Iterations

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

Calculated Stresses

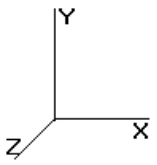
Seg Elev (ft)	Applied Stresses Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)	Allowable Stress (Fb) (ksi)		Stress Ratio
0.00	0.55	1.16	0.00	0.00	0.00	47.24	47.83	52.0	0.0	0.920
1.00	0.54	1.16	0.00	0.00	0.00	47.14	47.72	52.0	0.0	0.918
2.00	0.54	1.16	0.00	0.00	0.00	47.03	47.62	52.0	0.0	0.916
3.00	0.54	1.17	0.00	0.00	0.00	46.92	47.51	52.0	0.0	0.914
4.00	0.54	1.17	0.00	0.00	0.00	46.82	47.40	52.0	0.0	0.912
5.00	0.54	1.17	0.00	0.00	0.00	46.70	47.29	52.0	0.0	0.910
6.00	0.53	1.17	0.00	0.00	0.00	46.59	47.17	52.0	0.0	0.907
7.00	0.53	1.18	0.00	0.00	0.00	46.48	47.05	52.0	0.0	0.905
8.00	0.53	1.18	0.00	0.00	0.00	46.36	46.94	52.0	0.0	0.903
9.00	0.53	1.18	0.00	0.00	0.00	46.24	46.81	52.0	0.0	0.901
10.00	0.52	1.18	0.00	0.00	0.00	46.12	46.69	52.0	0.0	0.898
11.00	0.52	1.19	0.00	0.00	0.00	46.00	46.57	52.0	0.0	0.896
12.00	0.52	1.19	0.00	0.00	0.00	45.88	46.44	52.0	0.0	0.893
13.00	0.52	1.19	0.00	0.00	0.00	45.75	46.32	52.0	0.0	0.891
14.00	0.51	1.19	0.00	0.00	0.00	45.63	46.19	52.0	0.0	0.889
15.00	0.51	1.20	0.00	0.00	0.00	45.50	46.05	52.0	0.0	0.886
16.00	0.51	1.20	0.00	0.00	0.00	45.37	45.92	52.0	0.0	0.883
17.00	0.50	1.20	0.00	0.00	0.00	45.23	45.78	52.0	0.0	0.881
18.00	0.50	1.20	0.00	0.00	0.00	45.10	45.65	52.0	0.0	0.878
19.00	0.50	1.20	0.00	0.00	0.00	44.96	45.51	52.0	0.0	0.875
20.00	0.50	1.21	0.00	0.00	0.00	44.82	45.36	52.0	0.0	0.873
21.00	0.49	1.21	0.00	0.00	0.00	44.68	45.22	52.0	0.0	0.870
22.00	0.49	1.21	0.00	0.00	0.00	44.53	45.07	52.0	0.0	0.867
23.00	0.49	1.21	0.00	0.00	0.00	44.39	44.92	52.0	0.0	0.864
24.00	0.49	1.22	0.00	0.00	0.00	44.24	44.77	52.0	0.0	0.861
25.00	0.48	1.22	0.00	0.00	0.00	44.09	44.62	52.0	0.0	0.858
26.00	0.48	1.22	0.00	0.00	0.00	43.93	44.47	52.0	0.0	0.855
27.00	0.48	1.22	0.00	0.00	0.00	43.78	44.31	52.0	0.0	0.852
28.00	0.47	1.23	0.00	0.00	0.00	43.62	44.15	52.0	0.0	0.849
29.00	0.47	1.23	0.00	0.00	0.00	43.46	43.98	52.0	0.0	0.846
30.00	0.47	1.23	0.00	0.00	0.00	43.30	43.82	52.0	0.0	0.843
31.00	0.47	1.24	0.00	0.00	0.00	43.13	43.65	52.0	0.0	0.840
32.00	0.46	1.24	0.00	0.00	0.00	42.96	43.48	52.0	0.0	0.836
33.00	0.46	1.24	0.00	0.00	0.00	42.79	43.31	52.0	0.0	0.833
34.00	0.46	1.24	0.00	0.00	0.00	42.62	43.13	52.0	0.0	0.830
35.00	0.45	1.25	0.00	0.00	0.00	42.44	42.95	52.0	0.0	0.826
36.00	0.45	1.25	0.00	0.00	0.00	42.27	42.77	52.0	0.0	0.823
37.00	0.45	1.25	0.00	0.00	0.00	42.08	42.59	52.0	0.0	0.819
38.00	0.45	1.25	0.00	0.00	0.00	41.90	42.40	52.0	0.0	0.816
39.00	0.44	1.26	0.00	0.00	0.00	41.71	42.21	52.0	0.0	0.812
40.00	0.44	1.26	0.00	0.00	0.00	41.52	42.02	52.0	0.0	0.808
41.00	0.44	1.26	0.00	0.00	0.00	41.33	41.82	52.0	0.0	0.805
41.04	0.44	1.26	0.00	0.00	0.00	41.32	41.82	52.0	0.0	0.804
42.00	0.43	1.26	0.00	0.00	0.00	40.69	41.18	52.0	0.0	0.792
43.00	0.43	1.27	0.00	0.00	0.00	40.49	40.98	52.0	0.0	0.788
44.00	0.42	1.27	0.00	0.00	0.00	40.29	40.77	52.0	0.0	0.784
45.00	0.42	1.27	0.00	0.00	0.00	40.08	40.56	52.0	0.0	0.780
46.00	0.41	1.27	0.00	0.00	0.00	39.88	40.35	52.0	0.0	0.776
46.63	0.45	1.46	0.00	0.00	0.00	42.96	43.48	52.0	0.0	0.836
47.00	0.45	1.46	0.00	0.00	0.00	42.87	43.39	52.0	0.0	0.835
48.00	0.45	1.46	0.00	0.00	0.00	42.62	43.14	52.0	0.0	0.830



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

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

49.00	0.44	1.46	0.00	0.00	0.00	42.38	42.90	52.0	0.0	0.825
50.00	0.44	1.46	0.00	0.00	0.00	42.13	42.64	52.0	0.0	0.820
51.00	0.44	1.47	0.00	0.00	0.00	41.88	42.39	52.0	0.0	0.815
52.00	0.43	1.47	0.00	0.00	0.00	41.62	42.13	52.0	0.0	0.811
53.00	0.43	1.47	0.00	0.00	0.00	41.36	41.87	52.0	0.0	0.805
54.00	0.43	1.48	0.00	0.00	0.00	41.10	41.60	52.0	0.0	0.800
55.00	0.42	1.48	0.00	0.00	0.00	40.83	41.33	52.0	0.0	0.795
56.00	0.42	1.48	0.00	0.00	0.00	40.56	41.06	52.0	0.0	0.790
57.00	0.42	1.48	0.00	0.00	0.00	40.28	40.78	52.0	0.0	0.785
58.00	0.42	1.49	0.00	0.00	0.00	40.01	40.50	52.0	0.0	0.779
59.00	0.41	1.49	0.00	0.00	0.00	39.72	40.22	52.0	0.0	0.774
60.00	0.41	1.49	0.00	0.00	0.00	39.44	39.93	52.0	0.0	0.768
61.00	0.41	1.49	0.00	0.00	0.00	39.15	39.64	52.0	0.0	0.763
62.00	0.40	1.50	0.00	0.00	0.00	38.86	39.34	52.0	0.0	0.757
63.00	0.40	1.50	0.00	0.00	0.00	38.56	39.04	52.0	0.0	0.751
64.00	0.40	1.50	0.00	0.00	0.00	38.26	38.74	52.0	0.0	0.745
65.00	0.39	1.51	0.00	0.00	0.00	37.95	38.43	52.0	0.0	0.739
66.00	0.39	1.51	0.00	0.00	0.00	37.64	38.12	52.0	0.0	0.733
67.00	0.39	1.51	0.00	0.00	0.00	37.33	37.81	52.0	0.0	0.727
68.00	0.38	1.51	0.00	0.00	0.00	37.01	37.49	52.0	0.0	0.721
69.00	0.38	1.52	0.00	0.00	0.00	36.69	37.16	52.0	0.0	0.715
70.00	0.38	1.52	0.00	0.00	0.00	36.36	36.83	52.0	0.0	0.709
71.00	0.38	1.52	0.00	0.00	0.00	36.03	36.50	52.0	0.0	0.702
72.00	0.37	1.52	0.00	0.00	0.00	35.69	36.16	52.0	0.0	0.696
73.00	0.37	1.53	0.00	0.00	0.00	35.35	35.82	52.0	0.0	0.689
74.00	0.37	1.53	0.00	0.00	0.00	35.01	35.47	52.0	0.0	0.682
75.00	0.36	1.53	0.00	0.00	0.00	34.66	35.12	52.0	0.0	0.676
76.00	0.36	1.53	0.00	0.00	0.00	34.31	34.77	52.0	0.0	0.669
77.00	0.36	1.53	0.00	0.00	0.00	33.95	34.41	52.0	0.0	0.662
78.00	0.35	1.53	0.00	0.00	0.00	33.59	34.05	52.0	0.0	0.655
79.00	0.35	1.54	0.00	0.00	0.00	33.22	33.68	52.0	0.0	0.648
80.00	0.35	1.54	0.00	0.00	0.00	32.85	33.31	52.0	0.0	0.641
81.00	0.34	1.54	0.00	0.00	0.00	32.48	32.93	52.0	0.0	0.633
81.49	0.34	1.54	0.00	0.00	0.00	32.29	32.74	52.0	0.0	0.630
82.00	0.34	1.55	0.00	0.00	0.00	31.66	32.11	52.0	0.0	0.618
83.00	0.33	1.55	0.00	0.00	0.00	31.28	31.73	52.0	0.0	0.610
84.00	0.33	1.55	0.00	0.00	0.00	30.89	31.33	52.0	0.0	0.603
85.00	0.32	1.55	0.00	0.00	0.00	30.49	30.93	52.0	0.0	0.595
86.00	0.32	1.55	0.00	0.00	0.00	30.09	30.53	52.0	0.0	0.587
86.18	0.35	1.83	0.00	0.00	0.00	32.61	33.11	52.0	0.0	0.637
87.00	0.35	1.83	0.00	0.00	0.00	32.24	32.74	52.0	0.0	0.630
88.00	0.35	1.83	0.00	0.00	0.00	31.78	32.28	52.0	0.0	0.621
89.00	0.34	1.83	0.00	0.00	0.00	31.32	31.82	52.0	0.0	0.612
90.00	0.34	1.84	0.00	0.00	0.00	30.85	31.35	52.0	0.0	0.603
91.00	0.34	1.84	0.00	0.00	0.00	30.38	30.88	52.0	0.0	0.594
92.00	0.33	1.84	0.00	0.00	0.00	29.90	30.40	52.0	0.0	0.585
93.00	0.33	1.85	0.00	0.00	0.00	29.41	29.91	52.0	0.0	0.575
94.00	0.32	1.85	0.00	0.00	0.00	28.92	29.42	52.0	0.0	0.566
95.00	0.32	1.85	0.00	0.00	0.00	28.42	28.92	52.0	0.0	0.556
96.00	0.32	1.86	0.00	0.00	0.00	27.92	28.42	52.0	0.0	0.547
97.00	0.31	1.86	0.00	0.00	0.00	27.40	27.91	52.0	0.0	0.537
98.00	0.31	1.86	0.00	0.00	0.00	26.89	27.39	52.0	0.0	0.527
99.00	0.31	1.87	0.00	0.00	0.00	26.36	26.87	52.0	0.0	0.517
100.00	0.30	1.84	0.00	0.00	0.00	25.81	26.31	52.0	0.0	0.506
101.00	0.30	1.85	0.00	0.00	0.00	25.29	25.78	52.0	0.0	0.496
102.00	0.29	1.85	0.00	0.00	0.00	24.75	25.25	52.0	0.0	0.486
103.00	0.29	1.85	0.00	0.00	0.00	24.21	24.71	52.0	0.0	0.475

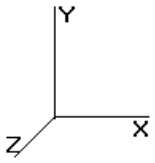


Load Case: No Ice — 90.00 mph Wind with No Ice — 30 Iterations

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

104.00	0.29	1.86	0.00	0.00	0.00	23.67	24.17	52.0	0.0	0.465
105.00	0.28	1.86	0.00	0.00	0.00	23.11	23.62	52.0	0.0	0.454
106.00	0.28	1.86	0.00	0.00	0.00	22.55	23.06	52.0	0.0	0.444
107.00	0.28	1.87	0.00	0.00	0.00	21.98	22.49	52.0	0.0	0.433
108.00	0.27	1.87	0.00	0.00	0.00	21.41	21.92	52.0	0.0	0.422
108.75	0.27	1.87	0.00	0.00	0.00	20.97	21.49	52.0	0.0	0.413
108.75	0.46	1.87	0.00	0.00	0.00	44.44	45.02	52.0	0.0	0.866
109.00	0.46	1.87	0.00	0.00	0.00	44.19	44.77	52.0	0.0	0.861
110.00	0.45	1.83	0.00	0.00	0.00	43.15	43.71	52.0	0.0	0.841
111.00	0.45	1.83	0.00	0.00	0.00	42.14	42.71	52.0	0.0	0.822
112.00	0.45	1.84	0.00	0.00	0.00	41.11	41.68	52.0	0.0	0.802
113.00	0.44	1.84	0.00	0.00	0.00	40.05	40.62	52.0	0.0	0.781
114.00	0.44	1.85	0.00	0.00	0.00	38.97	39.54	52.0	0.0	0.761
115.00	0.44	1.85	0.00	0.00	0.00	37.85	38.43	52.0	0.0	0.739
116.00	0.43	1.86	0.00	0.00	0.00	36.71	37.28	52.0	0.0	0.717
117.00	0.43	1.86	0.00	0.00	0.00	35.53	36.11	52.0	0.0	0.695
118.00	0.43	1.87	0.00	0.00	0.00	34.32	34.90	52.0	0.0	0.671
119.00	0.43	1.88	0.00	0.00	0.00	33.08	33.66	52.0	0.0	0.648
120.00	0.34	1.55	0.00	0.00	0.00	31.80	32.25	52.0	0.0	0.620
121.00	0.34	1.55	0.00	0.00	0.00	30.81	31.26	52.0	0.0	0.601
122.00	0.34	1.55	0.00	0.00	0.00	29.79	30.25	52.0	0.0	0.582
123.00	0.33	1.56	0.00	0.00	0.00	28.74	29.20	52.0	0.0	0.562
124.00	0.33	1.56	0.00	0.00	0.00	27.67	28.13	52.0	0.0	0.541
124.99	0.33	1.57	0.00	0.00	0.00	26.57	27.03	52.0	0.0	0.520
125.00	0.33	1.57	0.00	0.00	0.00	26.56	27.03	52.0	0.0	0.520
126.00	0.32	1.57	0.00	0.00	0.00	25.43	25.89	52.0	0.0	0.498
127.00	0.32	1.57	0.00	0.00	0.00	24.26	24.72	52.0	0.0	0.476
128.00	0.31	1.58	0.00	0.00	0.00	23.06	23.53	52.0	0.0	0.453
128.68	0.37	1.93	0.00	0.00	0.00	26.44	27.02	52.0	0.0	0.520
129.00	0.37	1.93	0.00	0.00	0.00	25.96	26.55	52.0	0.0	0.511
130.00	0.37	1.94	0.00	0.00	0.00	24.44	25.04	52.0	0.0	0.482
131.00	0.29	1.50	0.00	0.00	0.00	22.31	22.75	52.0	0.0	0.438
132.00	0.29	1.50	0.00	0.00	0.00	21.15	21.59	52.0	0.0	0.415
133.00	0.28	1.50	0.00	0.00	0.00	19.95	20.40	52.0	0.0	0.392
134.00	0.28	1.50	0.00	0.00	0.00	18.73	19.19	52.0	0.0	0.369
135.00	0.28	1.50	0.00	0.00	0.00	17.47	17.94	52.0	0.0	0.345
136.00	0.28	1.50	0.00	0.00	0.00	16.18	16.66	52.0	0.0	0.321
137.00	0.26	1.36	0.00	0.00	0.00	14.86	15.30	52.0	0.0	0.294
138.00	0.26	1.36	0.00	0.00	0.00	13.66	14.11	52.0	0.0	0.271
139.00	0.25	1.36	0.00	0.00	0.00	12.42	12.89	52.0	0.0	0.248
140.00	0.25	1.36	0.00	0.00	0.00	11.15	11.64	52.0	0.0	0.224
141.00	0.17	0.85	0.00	0.00	0.00	9.11	9.39	52.0	0.0	0.181
142.00	0.17	0.85	0.00	0.00	0.00	8.32	8.62	52.0	0.0	0.166
143.00	0.16	0.84	0.00	0.00	0.00	7.52	7.82	52.0	0.0	0.151
144.00	0.16	0.84	0.00	0.00	0.00	6.70	7.02	52.0	0.0	0.135
145.00	0.16	0.84	0.00	0.00	0.00	5.86	6.19	52.0	0.0	0.119
146.00	0.16	0.84	0.00	0.00	0.00	4.99	5.35	52.0	0.0	0.103
147.00	0.15	0.84	0.00	0.00	0.00	4.11	4.50	52.0	0.0	0.087
147.99	0.01	0.15	0.00	0.00	0.00	1.51	1.54	52.0	0.0	0.030
148.00	0.00	0.15	0.00	0.00	0.00	1.51	1.53	52.0	0.0	0.029

Pole :	**302515**	**Code: TIA/EIA-222 Rev F**	**12/5/2013 11:40:41 AM**
Location :	**SMFR - North, CT**		**Page: 39**
Height :	**148.00 (ft)**		
Base Dia :	**48.000 (in)**		
Top Dia :	**20.944 (in)**	**Base Elev : 0.000 (ft)**	
Shape :	**18 Sides**		
Taper :	**0.195479 (in/ft)**		



Load Case: **Ice** **77.94 mph Wind with Ice** **29 Iterations**

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

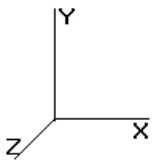
Shaft Segment Forces

Seg Top Elev (ft)	Description		Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		0.00	1.00	15.551	26.281	311.760	0.650	0.500	0.00	0.000	0.00	0.0	0.0	0.0
1.00		0.00	1.00	15.551	26.281	310.490	0.650	0.500	1.00	4.075	2.65	69.6	29.8	320.9
2.00		0.00	1.00	15.551	26.281	309.221	0.650	0.500	1.00	4.059	2.64	69.3	29.7	319.8
3.00		0.00	1.00	15.551	26.281	307.951	0.650	0.500	1.00	4.043	2.63	69.1	29.6	318.8
4.00		0.00	1.00	15.551	26.281	306.681	0.650	0.500	1.00	4.026	2.62	68.8	29.4	317.7
5.00		0.00	1.00	15.551	26.281	305.412	0.650	0.500	1.00	4.010	2.61	68.5	29.3	316.7
6.00		0.00	1.00	15.551	26.281	304.142	0.650	0.500	1.00	3.994	2.60	68.2	29.2	315.7
7.00		0.00	1.00	15.551	26.281	302.873	0.650	0.500	1.00	3.977	2.59	67.9	29.1	314.6
8.00		0.00	1.00	15.551	26.281	301.603	0.650	0.500	1.00	3.961	2.57	67.7	29.0	313.6
9.00		0.00	1.00	15.551	26.281	300.333	0.650	0.500	1.00	3.945	2.56	67.4	28.8	312.5
10.00		0.00	1.00	15.551	26.281	299.064	0.650	0.500	1.00	3.929	2.55	67.1	28.7	311.5
11.00		0.00	1.00	15.551	26.281	297.794	0.650	0.500	1.00	3.912	2.54	66.8	28.6	310.4
12.00		0.00	1.00	15.551	26.281	296.524	0.650	0.500	1.00	3.896	2.53	66.6	28.5	309.4
13.00		0.00	1.00	15.551	26.281	295.255	0.650	0.500	1.00	3.880	2.52	66.3	28.4	308.4
14.00		0.00	1.00	15.551	26.281	293.985	0.650	0.500	1.00	3.863	2.51	66.0	28.2	307.3
15.00		0.00	1.00	15.551	26.281	292.715	0.650	0.500	1.00	3.847	2.50	65.7	28.1	306.3
16.00		0.00	1.00	15.551	26.281	291.446	0.650	0.500	1.00	3.831	2.49	65.4	28.0	305.2
17.00		0.00	1.00	15.551	26.281	290.176	0.650	0.500	1.00	3.815	2.48	65.2	27.9	304.2
18.00		0.00	1.00	15.551	26.281	288.907	0.650	0.500	1.00	3.798	2.47	64.9	27.8	303.1
19.00		0.00	1.00	15.551	26.281	287.637	0.650	0.500	1.00	3.782	2.46	64.6	27.6	302.1
20.00		0.00	1.00	15.551	26.281	286.367	0.650	0.500	1.00	3.766	2.45	64.3	27.5	301.0
21.00		0.00	1.00	15.551	26.281	285.098	0.650	0.500	1.00	3.749	2.44	64.1	27.4	300.0
22.00		0.00	1.00	15.551	26.281	283.828	0.650	0.500	1.00	3.733	2.43	63.8	27.3	299.0
23.00		0.00	1.00	15.551	26.281	282.558	0.650	0.500	1.00	3.717	2.42	63.5	27.2	297.9
24.00		0.00	1.00	15.551	26.281	281.289	0.650	0.500	1.00	3.701	2.41	63.2	27.0	296.9
25.00		0.00	1.00	15.551	26.281	280.019	0.650	0.500	1.00	3.684	2.39	62.9	26.9	295.8
26.00		0.00	1.00	15.551	26.281	278.749	0.650	0.500	1.00	3.668	2.38	62.7	26.8	294.8
27.00		0.00	1.00	15.551	26.281	277.480	0.650	0.500	1.00	3.652	2.37	62.4	26.7	293.7
28.00		0.00	1.00	15.551	26.281	276.210	0.650	0.500	1.00	3.635	2.36	62.1	26.6	292.7
29.00		0.00	1.00	15.551	26.281	274.941	0.650	0.500	1.00	3.619	2.35	61.8	26.4	291.6
30.00		0.00	1.00	15.551	26.281	273.671	0.650	0.500	1.00	3.603	2.34	61.5	26.3	290.6
31.00		0.00	1.00	15.551	26.281	272.401	0.650	0.500	1.00	3.586	2.33	61.3	26.2	289.6
32.00		0.00	1.00	15.551	26.281	271.132	0.650	0.500	1.00	3.570	2.32	61.0	26.1	288.5
33.00		0.00	1.00	15.551	26.281	269.862	0.650	0.500	1.00	3.554	2.31	60.7	26.0	287.5
34.00		0.00	1.00	15.684	26.506	269.740	0.650	0.500	1.00	3.538	2.30	61.0	25.8	286.4
35.00		0.00	1.01	15.815	26.727	269.579	0.650	0.500	1.00	3.521	2.29	61.2	25.7	285.4
36.00		0.00	1.02	15.943	26.943	269.381	0.650	0.500	1.00	3.505	2.28	61.4	25.6	284.3
37.00		0.00	1.03	16.068	27.155	269.147	0.650	0.500	1.00	3.489	2.27	61.6	25.5	283.3
38.00		0.00	1.04	16.191	27.362	268.879	0.650	0.500	1.00	3.472	2.26	61.8	25.3	282.2
39.00		0.00	1.04	16.311	27.566	268.578	0.650	0.500	1.00	3.456	2.25	61.9	25.2	281.2
40.00		0.00	1.05	16.430	27.766	268.246	0.650	0.500	1.00	3.440	2.24	62.1	25.1	280.2
41.00		0.00	1.06	16.546	27.963	267.884	0.650	0.500	1.00	3.424	2.23	62.2	25.0	279.1
41.04	Bot - Section 2	0.00	1.06	16.550	27.970	267.871	0.650	0.500	0.04	0.124	0.08	2.3	0.9	10.1
42.00		0.00	1.07	16.660	28.156	267.494	0.650	0.500	0.96	3.344	2.17	61.2	24.4	425.6
43.00		0.00	1.07	16.773	28.346	267.076	0.650	0.500	1.00	3.454	2.24	63.6	25.2	439.8
44.00		0.00	1.08	16.883	28.533	266.632	0.650	0.500	1.00	3.437	2.23	63.7	25.1	437.9
45.00		0.00	1.09	16.992	28.717	266.162	0.650	0.500	1.00	3.421	2.22	63.9	25.0	436.1
46.00		0.00	1.10	17.099	28.897	265.668	0.650	0.500	1.00	3.405	2.21	64.0	24.8	434.2
46.63	Top - Section 1	0.00	1.10	17.166	29.010	265.344	0.650	0.500	0.63	2.137	1.39	40.3	15.6	272.6
47.00		0.00	1.10	17.204	29.076	270.273	0.650	0.500	0.37	1.252	0.81	23.7	9.1	92.6
48.00		0.00	1.11	17.308	29.251	269.748	0.650	0.500	1.00	3.372	2.19	64.1	24.6	249.7

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

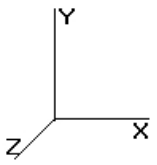
Base Elev : 0.000 (ft)



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

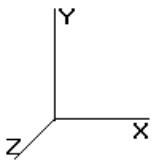
49.00		0.00	1.12	17.411	29.424	269.200	0.650	0.500	1.00	3.356	2.18	64.2	24.5	248.8
50.00		0.00	1.12	17.511	29.594	268.631	0.650	0.500	1.00	3.339	2.17	64.2	24.4	247.9
51.00		0.00	1.13	17.611	29.762	268.041	0.650	0.500	1.00	3.323	2.16	64.3	24.2	247.0
52.00		0.00	1.13	17.709	29.928	267.431	0.650	0.500	1.00	3.307	2.15	64.3	24.1	246.1
53.00		0.00	1.14	17.805	30.091	266.801	0.650	0.500	1.00	3.291	2.14	64.4	24.0	245.2
54.00		0.00	1.15	17.901	30.252	266.152	0.650	0.500	1.00	3.274	2.13	64.4	23.9	244.2
55.00		0.00	1.15	17.995	30.411	265.485	0.650	0.500	1.00	3.258	2.12	64.4	23.8	243.3
56.00		0.00	1.16	18.088	30.568	264.800	0.650	0.500	1.00	3.242	2.11	64.4	23.6	242.4
57.00		0.00	1.16	18.179	30.723	264.098	0.650	0.500	1.00	3.225	2.10	64.4	23.5	241.5
58.00		0.00	1.17	18.270	30.876	263.378	0.650	0.500	1.00	3.209	2.09	64.4	23.4	240.6
59.00		0.00	1.18	18.359	31.027	262.643	0.650	0.500	1.00	3.193	2.08	64.4	23.3	239.7
60.00		0.00	1.18	18.448	31.177	261.891	0.650	0.500	1.00	3.177	2.06	64.4	23.2	238.8
61.00		0.00	1.19	18.535	31.324	261.124	0.650	0.500	1.00	3.160	2.05	64.3	23.0	237.9
62.00		0.00	1.19	18.621	31.470	260.342	0.650	0.500	1.00	3.144	2.04	64.3	22.9	236.9
63.00		0.00	1.20	18.707	31.614	259.546	0.650	0.500	1.00	3.128	2.03	64.3	22.8	236.0
64.00		0.00	1.20	18.791	31.757	258.735	0.650	0.500	1.00	3.111	2.02	64.2	22.7	235.1
65.00		0.00	1.21	18.874	31.898	257.910	0.650	0.500	1.00	3.095	2.01	64.2	22.6	234.2
66.00		0.00	1.21	18.957	32.037	257.071	0.650	0.500	1.00	3.079	2.00	64.1	22.4	233.3
67.00		0.00	1.22	19.039	32.175	256.219	0.650	0.500	1.00	3.063	1.99	64.0	22.3	232.4
68.00		0.00	1.22	19.119	32.312	255.354	0.650	0.500	1.00	3.046	1.98	64.0	22.2	231.5
69.00		0.00	1.23	19.199	32.447	254.476	0.650	0.500	1.00	3.030	1.97	63.9	22.1	230.6
70.00		0.00	1.24	19.278	32.580	253.586	0.650	0.500	1.00	3.014	1.96	63.8	21.9	229.6
71.00		0.00	1.24	19.357	32.713	252.684	0.650	0.500	1.00	2.997	1.95	63.7	21.8	228.7
72.00		0.00	1.25	19.434	32.844	251.770	0.650	0.500	1.00	2.981	1.94	63.6	21.7	227.8
73.00		0.00	1.25	19.511	32.973	250.845	0.650	0.500	1.00	2.965	1.93	63.5	21.6	226.9
74.00		0.00	1.26	19.587	33.102	249.908	0.650	0.500	1.00	2.949	1.92	63.4	21.5	226.0
75.00	Appertunance(s)	0.00	1.26	19.662	33.229	248.960	0.650	0.500	1.00	2.932	1.91	63.3	21.3	225.1
76.00		0.00	1.26	19.737	33.355	248.001	0.650	0.500	1.00	2.916	1.90	63.2	21.2	224.2
77.00		0.00	1.27	19.811	33.480	247.032	0.650	0.500	1.00	2.900	1.88	63.1	21.1	223.3
78.00		0.00	1.27	19.884	33.604	246.052	0.650	0.500	1.00	2.883	1.87	63.0	21.0	222.3
79.00		0.00	1.28	19.956	33.726	245.062	0.650	0.500	1.00	2.867	1.86	62.9	20.9	221.4
80.00		0.00	1.28	20.028	33.847	244.062	0.650	0.500	1.00	2.851	1.85	62.7	20.7	220.5
81.00		0.00	1.29	20.099	33.968	243.052	0.650	0.500	1.00	2.834	1.84	62.6	20.6	219.6
81.49	Bot - Section 3	0.00	1.29	20.134	34.027	242.552	0.650	0.500	0.49	1.387	0.90	30.7	10.1	107.6
82.00		0.00	1.29	20.170	34.087	242.032	0.650	0.500	0.51	1.458	0.95	32.3	10.6	168.1
83.00		0.00	1.30	20.240	34.205	241.003	0.650	0.500	1.00	2.854	1.86	63.5	20.8	329.3
84.00		0.00	1.30	20.309	34.323	239.965	0.650	0.500	1.00	2.838	1.84	63.3	20.6	327.8
85.00		0.00	1.31	20.378	34.439	238.918	0.650	0.500	1.00	2.821	1.83	63.2	20.5	326.2
86.00		0.00	1.31	20.446	34.554	237.861	0.650	0.500	1.00	2.805	1.82	63.0	20.4	324.6
86.18	Top - Section 2	0.00	1.31	20.458	34.574	237.674	0.650	0.500	0.18	0.493	0.32	11.1	3.6	57.1
87.00		0.00	1.31	20.514	34.668	241.459	0.650	0.500	0.82	2.296	1.49	51.7	16.7	161.1
88.00		0.00	1.32	20.581	34.782	240.393	0.650	0.500	1.00	2.773	1.80	62.7	20.2	194.8
89.00		0.00	1.32	20.648	34.894	239.318	0.650	0.500	1.00	2.756	1.79	62.5	20.0	194.0
90.00		0.00	1.33	20.714	35.006	238.235	0.650	0.500	1.00	2.740	1.78	62.3	19.9	193.3
91.00		0.00	1.33	20.779	35.117	237.144	0.650	0.500	1.00	2.724	1.77	62.2	19.8	192.5
92.00		0.00	1.34	20.844	35.226	236.044	0.650	0.500	1.00	2.707	1.76	62.0	19.7	191.7
93.00		0.00	1.34	20.909	35.335	234.937	0.650	0.500	1.00	2.691	1.75	61.8	19.6	190.9
94.00		0.00	1.34	20.973	35.444	233.822	0.650	0.500	1.00	2.675	1.74	61.6	19.4	190.1
95.00		0.00	1.35	21.036	35.551	232.699	0.650	0.500	1.00	2.659	1.73	61.4	19.3	189.4
96.00		0.00	1.35	21.099	35.657	231.568	0.650	0.500	1.00	2.642	1.72	61.2	19.2	188.6
97.00		0.00	1.36	21.162	35.763	230.430	0.650	0.500	1.00	2.626	1.71	61.0	19.1	187.8
98.00		0.00	1.36	21.224	35.868	229.285	0.650	0.500	1.00	2.610	1.70	60.8	19.0	187.0
99.00		0.00	1.36	21.285	35.972	228.132	0.650	0.500	1.00	2.593	1.69	60.6	18.8	186.2
100.0	Appertunance(s)	0.00	1.37	21.347	36.076	226.973	0.650	0.500	1.00	2.577	1.68	60.4	18.7	185.5
101.0		0.00	1.37	21.407	36.178	225.806	0.650	0.500	1.00	2.561	1.66	60.2	18.6	184.7
102.0		0.00	1.38	21.468	36.280	224.632	0.650	0.500	1.00	2.544	1.65	60.0	18.5	183.9
103.0		0.00	1.38	21.528	36.382	223.452	0.650	0.500	1.00	2.528	1.64	59.8	18.4	183.1



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

104.0		0.00	1.38	21.587	36.482	222.264	0.650	0.500	1.00	2.512	1.63	59.6	18.2	182.3
105.0		0.00	1.39	21.646	36.582	221.071	0.650	0.500	1.00	2.496	1.62	59.3	18.1	181.6
106.0		0.00	1.39	21.705	36.681	219.870	0.650	0.500	1.00	2.479	1.61	59.1	18.0	180.8
107.0		0.00	1.39	21.763	36.780	218.663	0.650	0.500	1.00	2.463	1.60	58.9	17.9	180.0
108.0		0.00	1.40	21.821	36.878	217.450	0.650	0.500	1.00	2.447	1.59	58.6	17.8	179.2
108.7	Reinf. Top	0.00	1.40	21.864	36.951	216.536	0.650	0.500	0.75	1.824	1.19	43.8	13.2	133.9
109.0		0.00	1.40	21.879	36.975	216.231	0.650	0.500	0.25	0.606	0.39	14.6	4.4	27.8
110.0	Appertunance(s)	0.00	1.41	21.936	37.072	215.005	0.650	0.500	1.00	2.414	1.57	58.2	17.5	110.9
111.0		0.00	1.41	21.993	37.168	213.773	0.650	0.500	1.00	2.398	1.56	57.9	17.4	110.1
112.0		0.00	1.41	22.049	37.263	212.536	0.650	0.500	1.00	2.382	1.55	57.7	17.3	109.3
113.0		0.00	1.42	22.105	37.358	211.292	0.650	0.500	1.00	2.365	1.54	57.4	17.1	108.5
114.0		0.00	1.42	22.161	37.452	210.042	0.650	0.500	1.00	2.349	1.53	57.2	17.0	107.7
115.0		0.00	1.42	22.216	37.545	208.787	0.650	0.500	1.00	2.333	1.52	56.9	16.9	107.0
116.0		0.00	1.43	22.271	37.638	207.526	0.650	0.500	1.00	2.316	1.51	56.7	16.8	106.2
117.0		0.00	1.43	22.326	37.731	206.259	0.650	0.500	1.00	2.300	1.50	56.4	16.7	105.4
118.0		0.00	1.43	22.380	37.823	204.987	0.650	0.500	1.00	2.284	1.48	56.1	16.5	104.6
119.0		0.00	1.44	22.434	37.914	203.710	0.650	0.500	1.00	2.268	1.47	55.9	16.4	103.8
120.0	Appertunance(s)	0.00	1.44	22.488	38.005	202.426	0.650	0.500	1.00	2.251	1.46	55.6	16.3	103.1
121.0		0.00	1.45	22.541	38.095	201.138	0.650	0.500	1.00	2.235	1.45	55.3	16.2	102.3
122.0		0.00	1.45	22.594	38.185	199.844	0.650	0.500	1.00	2.219	1.44	55.1	16.1	101.5
123.0		0.00	1.45	22.647	38.274	198.545	0.650	0.500	1.00	2.202	1.43	54.8	15.9	100.7
124.0		0.00	1.46	22.700	38.362	197.241	0.650	0.500	1.00	2.186	1.42	54.5	15.8	99.9
124.9	Bot - Section 4	0.00	1.46	22.752	38.450	195.940	0.650	0.500	0.99	2.157	1.40	53.9	15.6	98.5
125.0		0.00	1.46	22.752	38.451	195.932	0.650	0.500	0.01	0.014	0.01	0.3	0.1	1.0
126.0		0.00	1.46	22.804	38.538	194.618	0.650	0.500	1.00	2.195	1.43	55.0	15.9	166.4
127.0		0.00	1.47	22.855	38.625	193.298	0.650	0.500	1.00	2.179	1.42	54.7	15.8	165.1
128.0		0.00	1.47	22.907	38.712	191.974	0.650	0.500	1.00	2.163	1.41	54.4	15.6	163.8
128.6	Top - Section 3	0.00	1.47	22.941	38.771	191.069	0.650	0.500	0.68	1.464	0.95	36.9	10.6	110.9
129.0		0.00	1.47	22.958	38.798	194.591	0.650	0.500	0.32	0.682	0.44	17.2	4.9	26.0
130.0		0.00	1.48	23.008	38.884	193.261	0.650	0.500	1.00	2.130	1.38	53.8	15.4	81.0
131.0	Appertunance(s)	0.00	1.48	23.059	38.969	191.927	0.650	0.500	1.00	2.114	1.37	53.5	15.3	80.4
132.0		0.00	1.48	23.109	39.054	190.588	0.650	0.500	1.00	2.097	1.36	53.2	15.2	79.7
133.0	Appertunance(s)	0.00	1.48	23.159	39.138	189.244	0.650	0.500	1.00	2.081	1.35	52.9	15.0	79.1
134.0		0.00	1.49	23.208	39.222	187.896	0.650	0.500	1.00	2.065	1.34	52.6	14.9	78.5
135.0		0.00	1.49	23.258	39.305	186.543	0.650	0.500	1.00	2.049	1.33	52.3	14.8	77.8
136.0		0.00	1.49	23.307	39.388	185.185	0.650	0.500	1.00	2.032	1.32	52.0	14.7	77.2
137.0	Appertunance(s)	0.00	1.50	23.356	39.471	183.823	0.650	0.500	1.00	2.016	1.31	51.7	14.6	76.5
138.0		0.00	1.50	23.404	39.553	182.457	0.650	0.500	1.00	2.000	1.30	51.4	14.4	75.9
139.0		0.00	1.50	23.453	39.635	181.086	0.650	0.500	1.00	1.983	1.29	51.1	14.3	75.2
140.0		0.00	1.51	23.501	39.716	179.710	0.650	0.500	1.00	1.967	1.28	50.8	14.2	74.6
141.0	Appertunance(s)	0.00	1.51	23.548	39.797	178.331	0.650	0.500	1.00	1.951	1.27	50.5	14.1	73.9
142.0		0.00	1.51	23.596	39.877	176.947	0.650	0.500	1.00	1.935	1.26	50.1	14.0	73.3
143.0		0.00	1.52	23.643	39.957	175.559	0.650	0.500	1.00	1.918	1.25	49.8	13.8	72.6
144.0		0.00	1.52	23.691	40.037	174.167	0.650	0.500	1.00	1.902	1.24	49.5	13.7	72.0
145.0		0.00	1.52	23.737	40.116	172.770	0.650	0.500	1.00	1.886	1.23	49.2	13.6	71.3
146.0		0.00	1.52	23.784	40.195	171.370	0.650	0.500	1.00	1.869	1.22	48.8	13.5	70.7
147.0		0.00	1.53	23.831	40.274	169.966	0.650	0.500	1.00	1.853	1.20	48.5	13.4	70.0
147.9	Appertunance(s)	0.00	1.53	23.876	40.351	168.571	0.650	0.500	0.99	1.819	1.18	47.7	13.1	68.7
148.0	Appertunance(s)	0.00	1.53	23.877	40.352	168.557	0.650	0.500	0.01	0.018	0.01	0.5	0.1	0.7
							Totals:		148.00			9,000.6	3,182.1	32,459.8

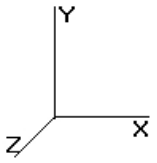


Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

Discrete Appurtenance Segment Forces

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
75.00	PCTEL GPS-TMG-HR-	1	19.662	33.229	0.33	0.26	0.000	0.000	8.77	0.00	0.00	3.50
75.00	Side Arm	1	19.662	33.229	1.00	7.00	0.000	0.000	232.60	0.00	0.00	230.00
100.0	Antel BCD-87010_4°	1	21.646	36.582	1.00	4.05	0.000	5.000	148.16	0.00	740.79	47.98
100.0	Side Arm	1	21.347	36.076	1.00	5.90	0.000	0.000	212.85	0.00	0.00	175.00
110.0	Diamond X50A	2	22.094	37.339	1.00	3.26	0.000	2.800	121.72	0.00	340.83	114.40
110.0	Flat Side Arm	2	21.936	37.072	0.90	12.60	0.000	0.000	467.10	0.00	0.00	460.00
120.0	Alcatel-Lucent 2X50W	3	22.488	38.005	0.50	4.08	0.000	0.000	155.06	0.00	0.00	258.30
120.0	Alcatel-Lucent 4x40W	3	22.488	38.005	0.67	8.50	0.000	0.000	323.13	0.00	0.00	367.20
120.0	Alcatel-LucentTD-RRH	3	22.488	38.005	0.67	8.50	0.000	0.000	323.13	0.00	0.00	367.20
120.0	Flat Low Profile Pla	1	22.488	38.005	1.00	31.60	0.000	0.000	1,200.95	0.00	0.00	1,700.00
120.0	RFS APXVSPP18-C-	3	22.488	38.005	0.67	18.25	0.000	0.000	693.62	0.00	0.00	319.50
120.0	RFS APXVTM14-C-I20	3	22.488	38.005	0.78	17.36	0.000	0.000	659.87	0.00	0.00	214.32
131.0	48" x 12" Panel	9	23.159	39.138	0.67	37.33	0.000	2.000	1,460.86	0.00	2,921.72	567.00
131.0	72" x 12" Panel	3	23.159	39.138	0.67	18.55	0.000	2.000	726.10	0.00	1,452.21	261.00
131.0	Flat Low Profile Pla	1	23.059	38.969	1.00	31.60	0.000	0.000	1,231.43	0.00	0.00	1,700.00
133.0	KMW KMDAPS2040000	3	23.159	39.138	0.33	1.35	0.000	0.000	52.70	0.00	0.00	70.05
137.0	Argus LLPX310R	3	23.356	39.471	0.62	9.97	0.000	0.000	393.51	0.00	0.00	163.50
137.0	DragonWave A-ANT-	1	23.356	39.471	1.00	9.42	0.000	0.000	371.82	0.00	0.00	101.80
137.0	DragonWave Horizon	1	23.356	39.471	0.33	0.19	0.000	0.000	7.55	0.00	0.00	17.00
137.0	NextNet BTS-2500	3	23.356	39.471	0.33	2.41	0.000	0.000	94.96	0.00	0.00	144.90
137.0	Round Side Arm	1	23.356	39.471	1.00	5.90	0.000	0.000	232.88	0.00	0.00	175.00
141.0	Alcatel-Lucent RRH2x	3	23.643	39.957	0.33	2.84	0.000	2.000	113.53	0.00	227.06	184.20
141.0	Antel BXA-171063/8BF	3	23.643	39.957	0.90	9.10	0.000	2.000	363.57	0.00	727.14	89.40
141.0	Antel BXA-70063/6CF	3	23.643	39.957	0.64	16.42	0.000	2.000	655.94	0.00	1,311.88	168.00
141.0	Antel BXA-80063-6BF-	1	23.643	39.957	0.78	7.08	0.000	2.000	282.99	0.00	565.99	70.60
141.0	Antel BXA-80080/6CF	2	23.643	39.957	0.65	11.35	0.000	2.000	453.48	0.00	906.95	134.60
141.0	Flat Low Profile Pla	1	23.548	39.797	1.00	31.60	0.000	0.000	1,257.58	0.00	0.00	1,700.00
141.0	RFS DB-T1-6Z-8AB-0Z	1	23.643	39.957	1.00	0.00	0.000	2.000	0.00	0.00	0.00	0.00
141.0	RFS FD9R6004	6	23.643	39.957	0.33	0.99	0.000	2.000	39.56	0.00	79.12	32.40
141.0	Rymsa MGD3-800T0	3	23.643	39.957	0.69	8.24	0.000	2.000	329.19	0.00	658.39	119.67
147.9	Allgon 7770.00	6	24.059	40.660	0.64	24.69	0.000	4.000	1,003.93	0.00	4,015.73	408.00
147.9	Ericsson RRUS 11 (Ba	6	24.059	40.660	0.50	9.87	0.000	4.000	401.31	0.00	1,605.24	445.80
147.9	Flat Platform w/ Han	1	23.876	40.351	1.00	48.40	0.000	0.000	1,952.98	0.00	0.00	2,450.00
147.9	Powerwave LGP21401	12	24.059	40.660	0.33	6.06	0.000	4.000	246.35	0.00	985.39	255.12
147.9	Powerwave P65-16-	3	24.059	40.660	0.66	18.26	0.000	4.000	742.26	0.00	2,969.05	300.60
147.9	Raycap DC6-48-60-18-	1	24.059	40.660	1.00	1.67	0.000	4.000	67.90	0.00	271.61	49.50
148.0	Andrew ADFD1820-	2	24.415	41.261	0.62	8.31	0.000	12.000	342.79	0.00	4,113.51	108.00
148.0	Andrew E15S09P94	3	24.415	41.261	0.33	0.83	0.000	12.000	34.31	0.00	411.75	58.50
148.0	Andrew TMZXXX-6516-	1	24.415	41.261	0.57	7.00	0.000	12.000	288.80	0.00	3,465.66	85.00
148.0	Pipe	1	23.877	40.352	1.00	0.00	0.000	0.000	0.00	0.00	0.00	0.00
148.0	RFS ATMAP1412D-	3	24.415	41.261	0.33	1.38	0.000	12.000	56.78	0.00	681.34	61.80
									17,752.03			14,178.84

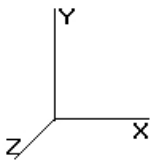


Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

Linear Appurtenance Segment Forces

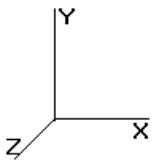
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Weight (lb/ft)	CaAa (sf/ft)	qz (psf)	F X (lb)	Dead Load (lb)
1.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
2.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
3.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
4.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
5.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
6.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
6.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
6.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
6.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
6.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
6.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
6.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
6.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
6.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
7.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
7.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
7.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
7.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
7.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
7.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
7.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
7.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
7.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
8.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
8.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
8.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
8.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
8.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
8.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
8.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
8.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
8.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
9.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
9.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
9.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
9.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
9.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
9.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
9.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
9.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
9.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
10.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
10.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
10.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
10.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
10.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
10.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
10.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
10.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
10.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
11.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

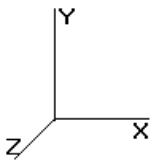
11.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
11.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
11.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
11.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
11.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
11.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
11.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
11.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
12.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
12.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
12.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
12.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
12.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
12.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
12.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
12.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
12.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
13.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
13.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
13.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
13.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
13.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
13.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
13.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
13.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
13.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
14.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
14.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
14.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
14.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
14.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
14.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
14.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
14.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
14.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
15.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
15.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
15.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
15.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
15.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
15.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
15.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
15.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
15.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
16.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
16.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
16.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
16.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
16.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
16.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
16.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
16.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
16.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
17.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
17.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
17.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
17.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

17.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
17.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
17.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
17.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
17.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
18.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
18.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
18.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
18.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
18.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
18.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
18.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
18.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
18.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
19.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
19.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
19.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
19.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
19.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
19.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
19.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
19.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
19.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
20.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
20.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
20.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
20.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
20.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
20.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
20.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
20.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
20.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
21.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
21.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
21.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
21.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
21.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
21.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
21.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
21.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
21.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
22.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
22.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
22.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
22.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
22.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
22.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
22.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
22.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
22.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
23.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
23.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
23.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
23.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
23.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
23.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
23.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00

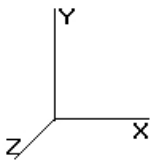


Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

23.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
23.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
24.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
24.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
24.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
24.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
24.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
24.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
24.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
24.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
24.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
25.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
25.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
25.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
25.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
25.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
25.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
25.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
25.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
25.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
26.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
26.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
26.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
26.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
26.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
26.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
26.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
26.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
26.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
27.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
27.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
27.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
27.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
27.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
27.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
27.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
27.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
27.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
28.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
28.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
28.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
28.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
28.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
28.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
28.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
28.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
28.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
29.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
29.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
29.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
29.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
29.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
29.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
29.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
29.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
29.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
30.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92

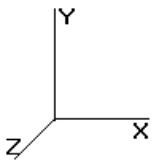
Pole :	**302515**		**Code: TIA/EIA-222 Rev F**					**12/5/2013 11:40:42 AM**
Location :	**SMFR - North, CT**							**Page: 47**
Height :	**148.00 (ft)**							
Base Dia :	**48.000 (in)**							
Top Dia :	**20.944 (in)**		**Base Elev : 0.000 (ft)**					
Shape :	**18 Sides**							
Taper :	**0.195479 (in/ft)**							



Load Case: **Ice** **77.94 mph Wind with Ice** **29 Iterations**

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

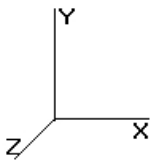
30.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
30.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
30.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
30.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
30.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
30.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
30.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
30.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
31.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
31.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
31.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
31.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
31.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
31.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
31.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
31.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
31.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
32.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
32.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
32.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
32.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
32.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
32.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
32.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
32.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
32.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
33.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.551	7.88	4.92
33.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.551	7.88	0.15
33.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.551	0.00	0.00
33.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
33.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.551	0.00	1.25
33.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.551	0.00	0.00
33.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.551	18.40	0.00
33.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
33.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.551	0.00	0.00
34.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.684	7.95	4.92
34.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.684	7.95	0.15
34.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.684	0.00	0.00
34.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.684	0.00	0.00
34.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.684	0.00	1.25
34.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.684	0.00	0.00
34.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.684	18.55	0.00
34.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.684	0.00	0.00
34.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.684	0.00	0.00
35.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.815	8.02	4.92
35.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.815	8.02	0.15
35.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.815	0.00	0.00
35.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.815	0.00	0.00
35.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.815	0.00	1.25
35.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.815	0.00	0.00
35.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.815	18.71	0.00
35.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.815	0.00	0.00
35.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.815	0.00	0.00
36.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	15.943	8.08	4.92
36.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	15.943	8.08	0.15
36.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	15.943	0.00	0.00
36.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	15.943	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

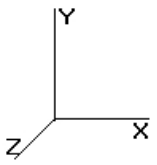
36.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	15.943	0.00	1.25
36.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	15.943	0.00	0.00
36.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	15.943	18.86	0.00
36.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	15.943	0.00	0.00
36.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	15.943	0.00	0.00
37.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	16.068	8.15	4.92
37.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	16.068	8.15	0.15
37.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	16.068	0.00	0.00
37.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	16.068	0.00	0.00
37.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	16.068	0.00	1.25
37.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	16.068	0.00	0.00
37.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	16.068	19.01	0.00
37.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	16.068	0.00	0.00
37.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	16.068	0.00	0.00
38.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	16.191	8.21	4.92
38.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	16.191	8.21	0.15
38.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	16.191	0.00	0.00
38.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	16.191	0.00	0.00
38.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	16.191	0.00	1.25
38.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	16.191	0.00	0.00
38.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	16.191	19.15	0.00
38.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	16.191	0.00	0.00
38.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	16.191	0.00	0.00
39.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	16.311	8.27	4.92
39.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	16.311	8.27	0.15
39.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	16.311	0.00	0.00
39.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	16.311	0.00	0.00
39.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	16.311	0.00	1.25
39.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	16.311	0.00	0.00
39.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	16.311	19.30	0.00
39.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	16.311	0.00	0.00
39.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	16.311	0.00	0.00
40.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	16.430	8.33	4.92
40.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	16.430	8.33	0.15
40.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	16.430	0.00	0.00
40.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	16.430	0.00	0.00
40.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	16.430	0.00	1.25
40.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	16.430	0.00	0.00
40.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	16.430	19.44	0.00
40.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	16.430	0.00	0.00
40.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	16.430	0.00	0.00
41.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	16.546	8.39	4.92
41.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	16.546	8.39	0.15
41.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	16.546	0.00	0.00
41.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	16.546	0.00	0.00
41.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	16.546	0.00	1.25
41.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	16.546	0.00	0.00
41.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	16.546	19.57	0.00
41.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	16.546	0.00	0.00
41.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	16.546	0.00	0.00
41.04	(6) 1 5/8" Coax	Yes	0.04	4.92	0.30	16.550	0.30	0.18
41.04	(1) 1/2" Coax	Yes	0.04	0.15	0.30	16.550	0.30	0.01
41.04	(1) 2" Conduit	Yes	0.04	0.00	0.00	16.550	0.00	0.00
41.04	(9) 1 1/4" Coax	Yes	0.04	0.00	0.00	16.550	0.00	0.00
41.04	(3) 1 1/4" Hybriflex	Yes	0.04	1.25	0.00	16.550	0.00	0.05
41.04	(1) 1 1/4" Hybriflex	Yes	0.04	0.00	0.00	16.550	0.00	0.00
41.04	(4) DYWIDAG	Yes	0.04	0.00	0.70	16.550	0.71	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

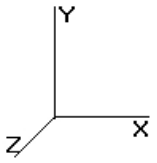
41.04	(1) 7/8" Coax	Yes	0.04	0.00	0.00	16.550	0.00	0.00
41.04	(1) 1/2" Coax	Yes	0.04	0.00	0.00	16.550	0.00	0.00
42.00	(6) 1 5/8" Coax	Yes	0.96	4.92	0.30	16.660	8.14	4.74
42.00	(1) 1/2" Coax	Yes	0.96	0.15	0.30	16.660	8.14	0.14
42.00	(1) 2" Conduit	Yes	0.96	0.00	0.00	16.660	0.00	0.00
42.00	(9) 1 1/4" Coax	Yes	0.96	0.00	0.00	16.660	0.00	0.00
42.00	(3) 1 1/4" Hybriflex	Yes	0.96	1.25	0.00	16.660	0.00	1.20
42.00	(1) 1 1/4" Hybriflex	Yes	0.96	0.00	0.00	16.660	0.00	0.00
42.00	(4) DYWIDAG	Yes	0.96	0.00	0.70	16.660	18.99	0.00
42.00	(1) 7/8" Coax	Yes	0.96	0.00	0.00	16.660	0.00	0.00
42.00	(1) 1/2" Coax	Yes	0.96	0.00	0.00	16.660	0.00	0.00
43.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	16.773	8.50	4.92
43.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	16.773	8.50	0.15
43.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	16.773	0.00	0.00
43.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	16.773	0.00	0.00
43.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	16.773	0.00	1.25
43.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	16.773	0.00	0.00
43.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	16.773	19.84	0.00
43.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	16.773	0.00	0.00
43.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	16.773	0.00	0.00
44.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	16.883	8.56	4.92
44.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	16.883	8.56	0.15
44.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	16.883	0.00	0.00
44.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	16.883	0.00	0.00
44.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	16.883	0.00	1.25
44.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	16.883	0.00	0.00
44.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	16.883	19.97	0.00
44.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	16.883	0.00	0.00
44.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	16.883	0.00	0.00
45.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	16.992	8.61	4.92
45.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	16.992	8.61	0.15
45.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	16.992	0.00	0.00
45.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	16.992	0.00	0.00
45.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	16.992	0.00	1.25
45.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	16.992	0.00	0.00
45.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	16.992	20.10	0.00
45.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	16.992	0.00	0.00
45.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	16.992	0.00	0.00
46.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.099	8.67	4.92
46.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.099	8.67	0.15
46.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.099	0.00	0.00
46.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.099	0.00	0.00
46.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.099	0.00	1.25
46.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.099	0.00	0.00
46.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.099	20.23	0.00
46.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.099	0.00	0.00
46.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.099	0.00	0.00
46.63	(6) 1 5/8" Coax	Yes	0.63	4.92	0.30	17.166	5.48	3.10
46.63	(1) 1/2" Coax	Yes	0.63	0.15	0.30	17.166	5.48	0.09
46.63	(1) 2" Conduit	Yes	0.63	0.00	0.00	17.166	0.00	0.00
46.63	(9) 1 1/4" Coax	Yes	0.63	0.00	0.00	17.166	0.00	0.00
46.63	(3) 1 1/4" Hybriflex	Yes	0.63	1.25	0.00	17.166	0.00	0.79
46.63	(1) 1 1/4" Hybriflex	Yes	0.63	0.00	0.00	17.166	0.00	0.00
46.63	(4) DYWIDAG	Yes	0.63	0.00	0.70	17.166	12.79	0.00
46.63	(1) 7/8" Coax	Yes	0.63	0.00	0.00	17.166	0.00	0.00
46.63	(1) 1/2" Coax	Yes	0.63	0.00	0.00	17.166	0.00	0.00
47.00	(6) 1 5/8" Coax	Yes	0.37	4.92	0.30	17.204	3.23	1.82



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

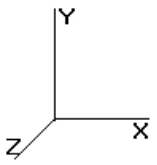
47.00	(1) 1/2" Coax	Yes	0.37	0.15	0.30	17.204	3.23	0.06
47.00	(1) 2" Conduit	Yes	0.37	0.00	0.00	17.204	0.00	0.00
47.00	(9) 1 1/4" Coax	Yes	0.37	0.00	0.00	17.204	0.00	0.00
47.00	(3) 1 1/4" Hybriflex	Yes	0.37	1.25	0.00	17.204	0.00	0.46
47.00	(1) 1 1/4" Hybriflex	Yes	0.37	0.00	0.00	17.204	0.00	0.00
47.00	(4) DYWIDAG	Yes	0.37	0.00	0.70	17.204	7.53	0.00
47.00	(1) 7/8" Coax	Yes	0.37	0.00	0.00	17.204	0.00	0.00
47.00	(1) 1/2" Coax	Yes	0.37	0.00	0.00	17.204	0.00	0.00
48.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.308	8.78	4.92
48.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.308	8.78	0.15
48.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.308	0.00	0.00
48.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.308	0.00	0.00
48.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.308	0.00	1.25
48.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.308	0.00	0.00
48.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.308	20.48	0.00
48.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.308	0.00	0.00
48.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.308	0.00	0.00
49.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.411	8.83	4.92
49.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.411	8.83	0.15
49.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.411	0.00	0.00
49.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.411	0.00	0.00
49.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.411	0.00	1.25
49.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.411	0.00	0.00
49.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.411	20.60	0.00
49.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.411	0.00	0.00
49.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.411	0.00	0.00
50.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.511	8.88	4.92
50.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.511	8.88	0.15
50.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.511	0.00	0.00
50.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.511	0.00	0.00
50.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.511	0.00	1.25
50.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.511	0.00	0.00
50.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.511	20.72	0.00
50.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.511	0.00	0.00
50.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.511	0.00	0.00
51.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.611	8.93	4.92
51.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.611	8.93	0.15
51.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.611	0.00	0.00
51.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.611	0.00	0.00
51.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.611	0.00	1.25
51.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.611	0.00	0.00
51.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.611	20.83	0.00
51.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.611	0.00	0.00
51.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.611	0.00	0.00
52.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.709	8.98	4.92
52.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.709	8.98	0.15
52.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.709	0.00	0.00
52.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.709	0.00	0.00
52.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.709	0.00	1.25
52.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.709	0.00	0.00
52.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.709	20.95	0.00
52.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.709	0.00	0.00
52.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.709	0.00	0.00
53.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.805	9.03	4.92
53.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.805	9.03	0.15
53.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.805	0.00	0.00
53.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.805	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

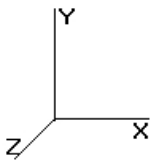
53.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.805	0.00	1.25
53.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.805	0.00	0.00
53.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.805	21.06	0.00
53.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.805	0.00	0.00
53.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.805	0.00	0.00
54.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.901	9.08	4.92
54.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.901	9.08	0.15
54.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.901	0.00	0.00
54.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.901	0.00	0.00
54.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.901	0.00	1.25
54.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.901	0.00	0.00
54.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.901	21.18	0.00
54.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.901	0.00	0.00
54.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.901	0.00	0.00
55.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	17.995	9.12	4.92
55.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	17.995	9.12	0.15
55.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	17.995	0.00	0.00
55.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	17.995	0.00	0.00
55.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	17.995	0.00	1.25
55.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	17.995	0.00	0.00
55.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	17.995	21.29	0.00
55.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	17.995	0.00	0.00
55.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	17.995	0.00	0.00
56.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.088	9.17	4.92
56.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.088	9.17	0.15
56.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.088	0.00	0.00
56.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.088	0.00	0.00
56.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.088	0.00	1.25
56.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.088	0.00	0.00
56.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.088	21.40	0.00
56.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.088	0.00	0.00
56.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.088	0.00	0.00
57.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.179	9.22	4.92
57.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.179	9.22	0.15
57.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.179	0.00	0.00
57.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.179	0.00	0.00
57.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.179	0.00	1.25
57.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.179	0.00	0.00
57.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.179	21.51	0.00
57.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.179	0.00	0.00
57.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.179	0.00	0.00
58.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.270	9.26	4.92
58.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.270	9.26	0.15
58.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.270	0.00	0.00
58.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.270	0.00	0.00
58.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.270	0.00	1.25
58.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.270	0.00	0.00
58.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.270	21.61	0.00
58.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.270	0.00	0.00
58.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.270	0.00	0.00
59.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.359	9.31	4.92
59.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.359	9.31	0.15
59.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.359	0.00	0.00
59.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.359	0.00	0.00
59.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.359	0.00	1.25
59.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.359	0.00	0.00
59.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.359	21.72	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

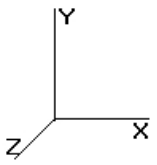
59.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.359	0.00	0.00
59.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.359	0.00	0.00
60.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.448	9.35	4.92
60.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.448	9.35	0.15
60.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.448	0.00	0.00
60.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.448	0.00	0.00
60.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.448	0.00	1.25
60.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.448	0.00	0.00
60.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.448	21.82	0.00
60.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.448	0.00	0.00
60.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.448	0.00	0.00
61.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.535	9.40	4.92
61.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.535	9.40	0.15
61.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.535	0.00	0.00
61.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.535	0.00	0.00
61.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.535	0.00	1.25
61.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.535	0.00	0.00
61.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.535	21.93	0.00
61.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.535	0.00	0.00
61.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.535	0.00	0.00
62.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.621	9.44	4.92
62.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.621	9.44	0.15
62.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.621	0.00	0.00
62.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.621	0.00	0.00
62.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.621	0.00	1.25
62.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.621	0.00	0.00
62.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.621	22.03	0.00
62.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.621	0.00	0.00
62.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.621	0.00	0.00
63.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.707	9.48	4.92
63.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.707	9.48	0.15
63.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.707	0.00	0.00
63.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.707	0.00	0.00
63.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.707	0.00	1.25
63.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.707	0.00	0.00
63.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.707	22.13	0.00
63.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.707	0.00	0.00
63.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.707	0.00	0.00
64.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.791	9.53	4.92
64.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.791	9.53	0.15
64.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.791	0.00	0.00
64.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.791	0.00	0.00
64.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.791	0.00	1.25
64.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.791	0.00	0.00
64.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.791	22.23	0.00
64.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.791	0.00	0.00
64.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.791	0.00	0.00
65.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.874	9.57	4.92
65.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.874	9.57	0.15
65.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.874	0.00	0.00
65.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.874	0.00	0.00
65.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.874	0.00	1.25
65.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.874	0.00	0.00
65.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.874	22.33	0.00
65.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.874	0.00	0.00
65.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.874	0.00	0.00
66.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	18.957	9.61	4.92



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

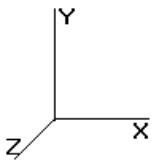
66.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	18.957	9.61	0.15
66.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	18.957	0.00	0.00
66.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	18.957	0.00	0.00
66.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	18.957	0.00	1.25
66.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	18.957	0.00	0.00
66.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	18.957	22.43	0.00
66.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	18.957	0.00	0.00
66.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	18.957	0.00	0.00
67.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.039	9.65	4.92
67.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.039	9.65	0.15
67.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.039	0.00	0.00
67.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.039	0.00	0.00
67.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.039	0.00	1.25
67.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.039	0.00	0.00
67.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.039	22.52	0.00
67.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.039	0.00	0.00
67.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.039	0.00	0.00
68.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.119	9.69	4.92
68.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.119	9.69	0.15
68.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.119	0.00	0.00
68.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.119	0.00	0.00
68.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.119	0.00	1.25
68.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.119	0.00	0.00
68.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.119	22.62	0.00
68.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.119	0.00	0.00
68.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.119	0.00	0.00
69.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.199	9.73	4.92
69.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.199	9.73	0.15
69.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.199	0.00	0.00
69.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.199	0.00	0.00
69.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.199	0.00	1.25
69.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.199	0.00	0.00
69.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.199	22.71	0.00
69.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.199	0.00	0.00
69.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.199	0.00	0.00
70.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.278	9.77	4.92
70.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.278	9.77	0.15
70.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.278	0.00	0.00
70.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.278	0.00	0.00
70.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.278	0.00	1.25
70.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.278	0.00	0.00
70.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.278	22.81	0.00
70.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.278	0.00	0.00
70.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.278	0.00	0.00
71.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.357	9.81	4.92
71.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.357	9.81	0.15
71.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.357	0.00	0.00
71.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.357	0.00	0.00
71.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.357	0.00	1.25
71.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.357	0.00	0.00
71.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.357	22.90	0.00
71.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.357	0.00	0.00
71.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.357	0.00	0.00
72.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.434	9.85	4.92
72.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.434	9.85	0.15
72.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.434	0.00	0.00
72.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.434	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

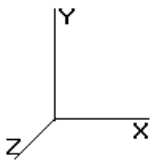
72.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.434	0.00	1.25
72.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.434	0.00	0.00
72.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.434	22.99	0.00
72.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.434	0.00	0.00
72.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.434	0.00	0.00
73.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.511	9.89	4.92
73.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.511	9.89	0.15
73.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.511	0.00	0.00
73.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.511	0.00	0.00
73.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.511	0.00	1.25
73.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.511	0.00	0.00
73.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.511	23.08	0.00
73.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.511	0.00	0.00
73.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.511	0.00	0.00
74.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.587	9.93	4.92
74.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.587	9.93	0.15
74.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.587	0.00	0.00
74.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.587	0.00	0.00
74.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.587	0.00	1.25
74.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.587	0.00	0.00
74.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.587	23.17	0.00
74.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.587	0.00	0.00
74.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.587	0.00	0.00
75.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.662	9.97	4.92
75.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.662	9.97	0.15
75.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.662	0.00	0.00
75.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.662	0.00	0.00
75.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.662	0.00	1.25
75.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.662	0.00	0.00
75.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.662	23.26	0.00
75.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.662	0.00	0.00
75.00	(1) 1/2" Coax	Yes	1.00	0.00	0.00	19.662	0.00	0.00
76.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.737	10.01	4.92
76.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.737	10.01	0.15
76.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.737	0.00	0.00
76.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.737	0.00	0.00
76.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.737	0.00	1.25
76.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.737	0.00	0.00
76.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.737	23.35	0.00
76.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.737	0.00	0.00
77.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.811	10.04	4.92
77.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.811	10.04	0.15
77.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.811	0.00	0.00
77.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.811	0.00	0.00
77.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.811	0.00	1.25
77.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.811	0.00	0.00
77.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.811	23.44	0.00
77.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.811	0.00	0.00
78.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.884	10.08	4.92
78.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.884	10.08	0.15
78.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.884	0.00	0.00
78.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.884	0.00	0.00
78.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.884	0.00	1.25
78.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.884	0.00	0.00
78.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.884	23.52	0.00
78.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.884	0.00	0.00
79.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	19.956	10.12	4.92



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

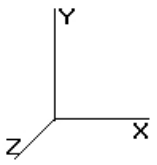
79.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	19.956	10.12	0.15
79.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	19.956	0.00	0.00
79.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	19.956	0.00	0.00
79.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	19.956	0.00	1.25
79.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	19.956	0.00	0.00
79.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	19.956	23.61	0.00
79.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	19.956	0.00	0.00
80.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.028	10.15	4.92
80.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.028	10.15	0.15
80.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.028	0.00	0.00
80.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.028	0.00	0.00
80.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.028	0.00	1.25
80.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.028	0.00	0.00
80.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.028	23.69	0.00
80.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.028	0.00	0.00
81.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.099	10.19	4.92
81.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.099	10.19	0.15
81.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.099	0.00	0.00
81.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.099	0.00	0.00
81.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.099	0.00	1.25
81.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.099	0.00	0.00
81.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.099	23.78	0.00
81.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.099	0.00	0.00
81.49	(6) 1 5/8" Coax	Yes	0.49	4.92	0.30	20.134	5.02	2.42
81.49	(1) 1/2" Coax	Yes	0.49	0.15	0.30	20.134	5.02	0.07
81.49	(1) 2" Conduit	Yes	0.49	0.00	0.00	20.134	0.00	0.00
81.49	(9) 1 1/4" Coax	Yes	0.49	0.00	0.00	20.134	0.00	0.00
81.49	(3) 1 1/4" Hybriflex	Yes	0.49	1.25	0.00	20.134	0.00	0.61
81.49	(1) 1 1/4" Hybriflex	Yes	0.49	0.00	0.00	20.134	0.00	0.00
81.49	(4) DYWIDAG	Yes	0.49	0.00	0.70	20.134	11.71	0.00
81.49	(1) 7/8" Coax	Yes	0.49	0.00	0.00	20.134	0.00	0.00
82.00	(6) 1 5/8" Coax	Yes	0.51	4.92	0.30	20.170	5.20	2.50
82.00	(1) 1/2" Coax	Yes	0.51	0.15	0.30	20.170	5.20	0.08
82.00	(1) 2" Conduit	Yes	0.51	0.00	0.00	20.170	0.00	0.00
82.00	(9) 1 1/4" Coax	Yes	0.51	0.00	0.00	20.170	0.00	0.00
82.00	(3) 1 1/4" Hybriflex	Yes	0.51	1.25	0.00	20.170	0.00	0.64
82.00	(1) 1 1/4" Hybriflex	Yes	0.51	0.00	0.00	20.170	0.00	0.00
82.00	(4) DYWIDAG	Yes	0.51	0.00	0.70	20.170	12.13	0.00
82.00	(1) 7/8" Coax	Yes	0.51	0.00	0.00	20.170	0.00	0.00
83.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.240	10.26	4.92
83.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.240	10.26	0.15
83.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.240	0.00	0.00
83.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.240	0.00	0.00
83.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.240	0.00	1.25
83.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.240	0.00	0.00
83.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.240	23.94	0.00
83.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.240	0.00	0.00
84.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.309	10.30	4.92
84.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.309	10.30	0.15
84.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.309	0.00	0.00
84.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.309	0.00	0.00
84.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.309	0.00	1.25
84.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.309	0.00	0.00
84.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.309	24.03	0.00
84.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.309	0.00	0.00
85.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.378	10.33	4.92
85.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.378	10.33	0.15



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

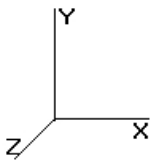
85.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.378	0.00	0.00
85.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.378	0.00	0.00
85.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.378	0.00	1.25
85.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.378	0.00	0.00
85.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.378	24.11	0.00
85.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.378	0.00	0.00
86.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.446	10.37	4.92
86.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.446	10.37	0.15
86.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.446	0.00	0.00
86.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.446	0.00	0.00
86.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.446	0.00	1.25
86.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.446	0.00	0.00
86.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.446	24.19	0.00
86.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.446	0.00	0.00
86.18	(6) 1 5/8" Coax	Yes	0.18	4.92	0.30	20.458	1.83	0.87
86.18	(1) 1/2" Coax	Yes	0.18	0.15	0.30	20.458	1.83	0.03
86.18	(1) 2" Conduit	Yes	0.18	0.00	0.00	20.458	0.00	0.00
86.18	(9) 1 1/4" Coax	Yes	0.18	0.00	0.00	20.458	0.00	0.00
86.18	(3) 1 1/4" Hybriflex	Yes	0.18	1.25	0.00	20.458	0.00	0.22
86.18	(1) 1 1/4" Hybriflex	Yes	0.18	0.00	0.00	20.458	0.00	0.00
86.18	(4) DYWIDAG	Yes	0.18	0.00	0.70	20.458	4.27	0.00
86.18	(1) 7/8" Coax	Yes	0.18	0.00	0.00	20.458	0.00	0.00
87.00	(6) 1 5/8" Coax	Yes	0.82	4.92	0.30	20.514	8.57	4.05
87.00	(1) 1/2" Coax	Yes	0.82	0.15	0.30	20.514	8.57	0.12
87.00	(1) 2" Conduit	Yes	0.82	0.00	0.00	20.514	0.00	0.00
87.00	(9) 1 1/4" Coax	Yes	0.82	0.00	0.00	20.514	0.00	0.00
87.00	(3) 1 1/4" Hybriflex	Yes	0.82	1.25	0.00	20.514	0.00	1.03
87.00	(1) 1 1/4" Hybriflex	Yes	0.82	0.00	0.00	20.514	0.00	0.00
87.00	(4) DYWIDAG	Yes	0.82	0.00	0.70	20.514	19.99	0.00
87.00	(1) 7/8" Coax	Yes	0.82	0.00	0.00	20.514	0.00	0.00
88.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.581	10.43	4.92
88.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.581	10.43	0.15
88.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.581	0.00	0.00
88.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.581	0.00	0.00
88.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.581	0.00	1.25
88.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.581	0.00	0.00
88.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.581	24.35	0.00
88.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.581	0.00	0.00
89.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.648	10.47	4.92
89.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.648	10.47	0.15
89.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.648	0.00	0.00
89.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.648	0.00	0.00
89.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.648	0.00	1.25
89.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.648	0.00	0.00
89.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.648	24.43	0.00
89.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.648	0.00	0.00
90.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.714	10.50	4.92
90.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.714	10.50	0.15
90.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.714	0.00	0.00
90.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.714	0.00	0.00
90.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.714	0.00	1.25
90.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.714	0.00	0.00
90.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.714	24.50	0.00
90.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.714	0.00	0.00
91.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.779	10.53	4.92
91.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.779	10.53	0.15
91.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.779	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

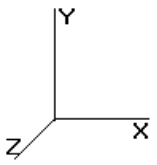
91.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.779	0.00	0.00
91.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.779	0.00	1.25
91.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.779	0.00	0.00
91.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.779	24.58	0.00
91.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.779	0.00	0.00
92.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.844	10.57	4.92
92.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.844	10.57	0.15
92.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.844	0.00	0.00
92.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.844	0.00	0.00
92.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.844	0.00	1.25
92.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.844	0.00	0.00
92.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.844	24.66	0.00
92.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.844	0.00	0.00
93.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.909	10.60	4.92
93.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.909	10.60	0.15
93.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.909	0.00	0.00
93.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.909	0.00	0.00
93.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.909	0.00	1.25
93.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.909	0.00	0.00
93.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.909	24.73	0.00
93.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.909	0.00	0.00
94.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	20.973	10.63	4.92
94.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	20.973	10.63	0.15
94.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	20.973	0.00	0.00
94.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	20.973	0.00	0.00
94.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	20.973	0.00	1.25
94.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	20.973	0.00	0.00
94.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	20.973	24.81	0.00
94.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	20.973	0.00	0.00
95.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.036	10.67	4.92
95.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.036	10.67	0.15
95.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.036	0.00	0.00
95.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.036	0.00	0.00
95.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.036	0.00	1.25
95.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.036	0.00	0.00
95.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.036	24.89	0.00
95.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	21.036	0.00	0.00
96.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.099	10.70	4.92
96.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.099	10.70	0.15
96.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.099	0.00	0.00
96.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.099	0.00	0.00
96.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.099	0.00	1.25
96.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.099	0.00	0.00
96.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.099	24.96	0.00
96.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	21.099	0.00	0.00
97.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.162	10.73	4.92
97.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.162	10.73	0.15
97.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.162	0.00	0.00
97.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.162	0.00	0.00
97.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.162	0.00	1.25
97.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.162	0.00	0.00
97.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.162	25.03	0.00
97.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	21.162	0.00	0.00
98.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.224	10.76	4.92
98.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.224	10.76	0.15
98.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.224	0.00	0.00
98.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.224	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

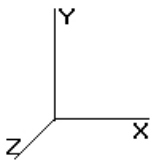
98.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.224	0.00	1.25
98.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.224	0.00	0.00
98.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.224	25.11	0.00
98.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	21.224	0.00	0.00
99.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.285	10.79	4.92
99.00	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.285	10.79	0.15
99.00	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.285	0.00	0.00
99.00	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.285	0.00	0.00
99.00	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.285	0.00	1.25
99.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.285	0.00	0.00
99.00	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.285	25.18	0.00
99.00	(1) 7/8" Coax	Yes	1.00	0.00	0.00	21.285	0.00	0.00
100.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.347	10.82	4.92
100.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.347	10.82	0.15
100.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.347	0.00	0.00
100.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.347	0.00	0.00
100.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.347	0.00	1.25
100.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.347	0.00	0.00
100.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.347	25.25	0.00
100.0	(1) 7/8" Coax	Yes	1.00	0.00	0.00	21.347	0.00	0.00
101.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.407	10.85	4.92
101.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.407	10.85	0.15
101.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.407	0.00	0.00
101.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.407	0.00	0.00
101.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.407	0.00	1.25
101.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.407	0.00	0.00
101.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.407	25.32	0.00
102.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.468	10.88	4.92
102.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.468	10.88	0.15
102.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.468	0.00	0.00
102.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.468	0.00	0.00
102.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.468	0.00	1.25
102.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.468	0.00	0.00
102.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.468	25.40	0.00
103.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.528	10.91	4.92
103.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.528	10.91	0.15
103.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.528	0.00	0.00
103.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.528	0.00	0.00
103.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.528	0.00	1.25
103.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.528	0.00	0.00
103.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.528	25.47	0.00
104.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.587	10.94	4.92
104.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.587	10.94	0.15
104.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.587	0.00	0.00
104.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.587	0.00	0.00
104.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.587	0.00	1.25
104.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.587	0.00	0.00
104.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.587	25.54	0.00
105.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.646	10.97	4.92
105.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.646	10.97	0.15
105.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.646	0.00	0.00
105.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.646	0.00	0.00
105.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.646	0.00	1.25
105.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.646	0.00	0.00
105.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.646	25.61	0.00
106.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.705	11.00	4.92
106.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.705	11.00	0.15



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

106.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.705	0.00	0.00
106.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.705	0.00	0.00
106.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.705	0.00	1.25
106.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.705	0.00	0.00
106.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.705	25.68	0.00
107.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.763	11.03	4.92
107.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.763	11.03	0.15
107.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.763	0.00	0.00
107.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.763	0.00	0.00
107.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.763	0.00	1.25
107.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.763	0.00	0.00
107.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.763	25.75	0.00
108.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.821	11.06	4.92
108.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.821	11.06	0.15
108.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.821	0.00	0.00
108.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.821	0.00	0.00
108.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.821	0.00	1.25
108.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.821	0.00	0.00
108.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.821	25.81	0.00
108.7	(6) 1 5/8" Coax	Yes	0.75	4.92	0.30	21.864	8.31	3.69
108.7	(1) 1/2" Coax	Yes	0.75	0.15	0.30	21.864	8.31	0.11
108.7	(1) 2" Conduit	Yes	0.75	0.00	0.00	21.864	0.00	0.00
108.7	(9) 1 1/4" Coax	Yes	0.75	0.00	0.00	21.864	0.00	0.00
108.7	(3) 1 1/4" Hybriflex	Yes	0.75	1.25	0.00	21.864	0.00	0.94
108.7	(1) 1 1/4" Hybriflex	Yes	0.75	0.00	0.00	21.864	0.00	0.00
108.7	(4) DYWIDAG	Yes	0.75	0.00	0.70	21.864	19.40	0.00
109.0	(6) 1 5/8" Coax	Yes	0.25	4.92	0.30	21.879	2.77	1.23
109.0	(1) 1/2" Coax	Yes	0.25	0.15	0.30	21.879	2.77	0.04
109.0	(1) 2" Conduit	Yes	0.25	0.00	0.00	21.879	0.00	0.00
109.0	(9) 1 1/4" Coax	Yes	0.25	0.00	0.00	21.879	0.00	0.00
109.0	(3) 1 1/4" Hybriflex	Yes	0.25	1.25	0.00	21.879	0.00	0.31
109.0	(1) 1 1/4" Hybriflex	Yes	0.25	0.00	0.00	21.879	0.00	0.00
109.0	(4) DYWIDAG	Yes	0.25	0.00	0.70	21.879	6.47	0.00
110.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.936	11.12	4.92
110.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.936	11.12	0.15
110.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.936	0.00	0.00
110.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.936	0.00	0.00
110.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.936	0.00	1.25
110.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.936	0.00	0.00
110.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.936	25.95	0.00
111.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	21.993	11.15	4.92
111.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	21.993	11.15	0.15
111.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	21.993	0.00	0.00
111.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	21.993	0.00	0.00
111.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	21.993	0.00	1.25
111.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	21.993	0.00	0.00
111.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	21.993	26.02	0.00
112.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.049	11.18	4.92
112.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.049	11.18	0.15
112.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.049	0.00	0.00
112.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.049	0.00	0.00
112.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.049	0.00	1.25
112.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.049	0.00	0.00
112.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	22.049	26.08	0.00
113.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.105	11.21	4.92
113.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.105	11.21	0.15
113.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.105	0.00	0.00

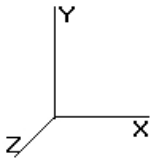


Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

113.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.105	0.00	0.00
113.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.105	0.00	1.25
113.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.105	0.00	0.00
113.0	(4) DYWIDAG	Yes	1.00	0.00	0.70	22.105	26.15	0.00
114.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.161	11.24	4.92
114.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.161	11.24	0.15
114.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.161	0.00	0.00
114.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.161	0.00	0.00
114.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.161	0.00	1.25
114.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.161	0.00	0.00
114.0	(4) DYWIDAG	Yes	0.25	0.00	0.70	22.161	6.55	0.00
115.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.216	11.26	4.92
115.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.216	11.26	0.15
115.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.216	0.00	0.00
115.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.216	0.00	0.00
115.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.216	0.00	1.25
115.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.216	0.00	0.00
116.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.271	11.29	4.92
116.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.271	11.29	0.15
116.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.271	0.00	0.00
116.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.271	0.00	0.00
116.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.271	0.00	1.25
116.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.271	0.00	0.00
117.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.326	11.32	4.92
117.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.326	11.32	0.15
117.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.326	0.00	0.00
117.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.326	0.00	0.00
117.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.326	0.00	1.25
117.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.326	0.00	0.00
118.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.380	11.35	4.92
118.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.380	11.35	0.15
118.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.380	0.00	0.00
118.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.380	0.00	0.00
118.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.380	0.00	1.25
118.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.380	0.00	0.00
119.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.434	11.37	4.92
119.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.434	11.37	0.15
119.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.434	0.00	0.00
119.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.434	0.00	0.00
119.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.434	0.00	1.25
119.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.434	0.00	0.00
120.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.488	11.40	4.92
120.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.488	11.40	0.15
120.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.488	0.00	0.00
120.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.488	0.00	0.00
120.0	(3) 1 1/4" Hybriflex	Yes	1.00	1.25	0.00	22.488	0.00	1.25
120.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.00	0.00	22.488	0.00	0.00
121.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.541	11.43	4.92
121.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.541	11.43	0.15
121.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.541	0.00	0.00
121.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.541	0.00	0.00
122.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.594	11.46	4.92
122.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.594	11.46	0.15
122.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.594	0.00	0.00
122.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.594	0.00	0.00
123.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.647	11.48	4.92
123.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.647	11.48	0.15

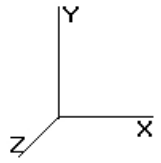
Pole :	**302515**		**Code: TIA/EIA-222 Rev F**				**12/5/2013 11:40:44 AM**	
Location :	**SMFR - North, CT**						**Page: 61**	
Height :	**148.00 (ft)**							
Base Dia :	**48.000 (in)**							
Top Dia :	**20.944 (in)**		**Base Elev : 0.000 (ft)**					
Shape :	**18 Sides**							
Taper :	**0.195479 (in/ft)**							



Load Case: **Ice** **77.94 mph Wind with Ice** **29 Iterations**

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

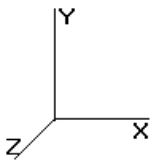
123.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.647	0.00	0.00
123.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.647	0.00	0.00
124.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.700	11.51	4.92
124.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.700	11.51	0.15
124.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.700	0.00	0.00
124.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.700	0.00	0.00
124.9	(6) 1 5/8" Coax	Yes	0.99	4.92	0.30	22.752	11.46	4.89
124.9	(1) 1/2" Coax	Yes	0.99	0.15	0.30	22.752	11.46	0.15
124.9	(1) 2" Conduit	Yes	0.99	0.00	0.00	22.752	0.00	0.00
124.9	(9) 1 1/4" Coax	Yes	0.99	0.00	0.00	22.752	0.00	0.00
125.0	(6) 1 5/8" Coax	Yes	0.01	4.92	0.30	22.752	0.07	0.03
125.0	(1) 1/2" Coax	Yes	0.01	0.15	0.30	22.752	0.07	0.00
125.0	(1) 2" Conduit	Yes	0.01	0.00	0.00	22.752	0.00	0.00
125.0	(9) 1 1/4" Coax	Yes	0.01	0.00	0.00	22.752	0.00	0.00
126.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.804	11.56	4.92
126.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.804	11.56	0.15
126.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.804	0.00	0.00
126.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.804	0.00	0.00
127.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.855	11.59	4.92
127.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.855	11.59	0.15
127.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.855	0.00	0.00
127.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.855	0.00	0.00
128.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	22.907	11.61	4.92
128.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	22.907	11.61	0.15
128.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	22.907	0.00	0.00
128.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	22.907	0.00	0.00
128.6	(6) 1 5/8" Coax	Yes	0.68	4.92	0.30	22.941	7.93	3.35
128.6	(1) 1/2" Coax	Yes	0.68	0.15	0.30	22.941	7.93	0.10
128.6	(1) 2" Conduit	Yes	0.68	0.00	0.00	22.941	0.00	0.00
128.6	(9) 1 1/4" Coax	Yes	0.68	0.00	0.00	22.941	0.00	0.00
129.0	(6) 1 5/8" Coax	Yes	0.32	4.92	0.30	22.958	3.71	1.57
129.0	(1) 1/2" Coax	Yes	0.32	0.15	0.30	22.958	3.71	0.05
129.0	(1) 2" Conduit	Yes	0.32	0.00	0.00	22.958	0.00	0.00
129.0	(9) 1 1/4" Coax	Yes	0.32	0.00	0.00	22.958	0.00	0.00
130.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.008	11.67	4.92
130.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	23.008	11.67	0.15
130.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	23.008	0.00	0.00
130.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	23.008	0.00	0.00
131.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.059	11.69	4.92
131.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	23.059	11.69	0.15
131.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	23.059	0.00	0.00
131.0	(9) 1 1/4" Coax	Yes	1.00	0.00	0.00	23.059	0.00	0.00
132.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.109	11.72	4.92
132.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	23.109	11.72	0.15
132.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	23.109	0.00	0.00
133.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.159	11.74	4.92
133.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	23.159	11.74	0.15
133.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	23.159	0.00	0.00
134.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.208	11.77	4.92
134.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	23.208	11.77	0.15
134.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	23.208	0.00	0.00
135.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.258	11.79	4.92
135.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	23.258	11.79	0.15
135.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	23.258	0.00	0.00
136.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.307	11.82	4.92
136.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	23.307	11.82	0.15
136.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	23.307	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

137.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.356		11.84	4.92
137.0	(1) 1/2" Coax	Yes	1.00	0.15	0.30	23.356		11.84	0.15
137.0	(1) 2" Conduit	Yes	1.00	0.00	0.00	23.356		0.00	0.00
138.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.404		11.87	4.92
139.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.453		11.89	4.92
140.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.501		11.91	4.92
141.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.548		11.94	4.92
142.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.596		11.96	4.92
143.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.643		11.99	4.92
144.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.691		12.01	4.92
145.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.737		12.03	4.92
146.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.784		12.06	4.92
147.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.30	23.831		12.08	4.92
147.9	(6) 1 5/8" Coax	Yes	0.99	4.92	0.30	23.876		11.98	4.87
148.0	(6) 1 5/8" Coax	Yes	0.01	4.92	0.30	23.877		0.12	0.05
							Totals:	5,139.61	867.11

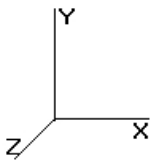


Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

Applied Segment Forces Summary

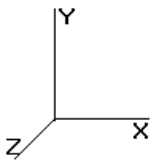
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	88.01	320.88	0.00	0.00
2.00	87.73	319.84	0.00	0.00
3.00	87.46	318.79	0.00	0.00
4.00	87.18	317.75	0.00	0.00
5.00	86.90	316.70	0.00	0.00
6.00	102.39	354.77	0.00	0.00
7.00	102.11	353.73	0.00	0.00
8.00	101.83	352.68	0.00	0.00
9.00	101.56	351.64	0.00	0.00
10.00	101.28	350.59	0.00	0.00
11.00	101.00	349.55	0.00	0.00
12.00	100.72	348.50	0.00	0.00
13.00	100.44	347.46	0.00	0.00
14.00	100.16	346.42	0.00	0.00
15.00	99.89	345.37	0.00	0.00
16.00	99.61	344.33	0.00	0.00
17.00	99.33	343.28	0.00	0.00
18.00	99.05	342.24	0.00	0.00
19.00	98.77	341.19	0.00	0.00
20.00	98.49	340.15	0.00	0.00
21.00	98.22	339.11	0.00	0.00
22.00	97.94	338.06	0.00	0.00
23.00	97.66	337.02	0.00	0.00
24.00	97.38	335.97	0.00	0.00
25.00	97.10	334.93	0.00	0.00
26.00	96.82	333.88	0.00	0.00
27.00	96.55	332.84	0.00	0.00
28.00	96.27	331.80	0.00	0.00
29.00	95.99	330.75	0.00	0.00
30.00	95.71	329.71	0.00	0.00
31.00	95.43	328.66	0.00	0.00
32.00	95.16	327.62	0.00	0.00
33.00	94.88	326.57	0.00	0.00
34.00	95.41	325.53	0.00	0.00
35.00	95.92	324.49	0.00	0.00
36.00	96.41	323.44	0.00	0.00
37.00	96.88	322.40	0.00	0.00
38.00	97.33	321.35	0.00	0.00
39.00	97.76	320.31	0.00	0.00
40.00	98.18	319.26	0.00	0.00
41.00	98.58	318.22	0.00	0.00
41.04	3.57	11.52	0.00	0.00
42.00	96.47	463.24	0.00	0.00
43.00	100.48	478.87	0.00	0.00
44.00	100.84	477.03	0.00	0.00
45.00	101.19	475.19	0.00	0.00
46.00	101.52	473.36	0.00	0.00
46.63	64.05	297.29	0.00	0.00
47.00	37.64	107.11	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

48.00	102.14	288.83	0.00	0.00
49.00	102.43	287.91	0.00	0.00
50.00	102.71	287.00	0.00	0.00
51.00	102.98	286.09	0.00	0.00
52.00	103.24	285.18	0.00	0.00
53.00	103.48	284.26	0.00	0.00
54.00	103.71	283.35	0.00	0.00
55.00	103.94	282.44	0.00	0.00
56.00	104.15	281.53	0.00	0.00
57.00	104.35	280.62	0.00	0.00
58.00	104.55	279.70	0.00	0.00
59.00	104.73	278.79	0.00	0.00
60.00	104.90	277.88	0.00	0.00
61.00	105.07	276.97	0.00	0.00
62.00	105.22	276.05	0.00	0.00
63.00	105.37	275.14	0.00	0.00
64.00	105.51	274.23	0.00	0.00
65.00	105.64	273.32	0.00	0.00
66.00	105.76	272.40	0.00	0.00
67.00	105.88	271.49	0.00	0.00
68.00	105.98	270.58	0.00	0.00
69.00	106.08	269.67	0.00	0.00
70.00	106.18	268.75	0.00	0.00
71.00	106.26	267.84	0.00	0.00
72.00	106.34	266.93	0.00	0.00
73.00	106.41	266.02	0.00	0.00
74.00	106.47	265.11	0.00	0.00
75.00	347.91	497.69	0.00	0.00
76.00	106.58	263.28	0.00	0.00
77.00	106.63	262.37	0.00	0.00
78.00	106.66	261.46	0.00	0.00
79.00	106.70	260.54	0.00	0.00
80.00	106.72	259.63	0.00	0.00
81.00	106.74	258.72	0.00	0.00
81.49	52.42	126.83	0.00	0.00
82.00	54.83	187.99	0.00	0.00
83.00	107.92	368.44	0.00	0.00
84.00	107.93	366.87	0.00	0.00
85.00	107.93	365.29	0.00	0.00
86.00	107.92	363.72	0.00	0.00
86.18	19.00	63.95	0.00	0.00
87.00	88.87	193.29	0.00	0.00
88.00	107.90	233.93	0.00	0.00
89.00	107.88	233.15	0.00	0.00
90.00	107.85	232.37	0.00	0.00
91.00	107.82	231.59	0.00	0.00
92.00	107.79	230.81	0.00	0.00
93.00	107.75	230.03	0.00	0.00
94.00	107.70	229.25	0.00	0.00
95.00	107.65	228.47	0.00	0.00
96.00	107.59	227.69	0.00	0.00
97.00	107.53	226.91	0.00	0.00
98.00	107.47	226.13	0.00	0.00
99.00	107.40	225.35	0.00	0.00
100.0	468.33	447.55	0.00	740.79
101.0	107.25	223.79	0.00	0.00
102.0	107.17	223.01	0.00	0.00



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

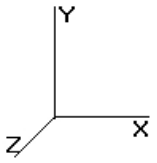
Gust Response Factor 1.69
Dead Load Factor : 1.00
Wind Load Factor : 1.00

103.0		107.08	222.23	0.00	0.00
104.0		106.99	221.44	0.00	0.00
105.0		106.90	220.66	0.00	0.00
106.0		106.80	219.88	0.00	0.00
107.0		106.70	219.10	0.00	0.00
108.0		106.59	218.32	0.00	0.00
108.7		79.84	163.24	0.00	0.00
109.0		26.58	37.62	0.00	0.00
110.0		695.19	724.36	0.00	340.83
111.0		106.25	148.88	0.00	0.00
112.0		106.13	148.10	0.00	0.00
113.0		106.00	147.32	0.00	0.00
114.0		86.21	146.54	0.00	0.00
115.0		79.46	145.76	0.00	0.00
116.0		79.25	144.98	0.00	0.00
117.0		79.05	144.20	0.00	0.00
118.0		78.84	143.42	0.00	0.00
119.0		78.63	142.64	0.00	0.00
120.0		3,434.17	3,368.38	0.00	0.00
121.0		78.20	139.83	0.00	0.00
122.0		77.98	139.05	0.00	0.00
123.0		77.76	138.27	0.00	0.00
124.0		77.53	137.49	0.00	0.00
124.9		76.83	135.87	0.00	0.00
125.0		0.48	1.26	0.00	0.00
126.0		78.11	203.98	0.00	0.00
127.0		77.88	202.68	0.00	0.00
128.0		77.64	201.37	0.00	0.00
128.6		52.76	136.48	0.00	0.00
129.0		24.61	37.93	0.00	0.00
130.0		77.17	118.60	0.00	0.00
131.0		3,495.31	2,645.95	0.00	4,373.93
132.0		76.68	112.39	0.00	0.00
133.0		129.12	181.79	0.00	0.00
134.0		76.18	111.09	0.00	0.00
135.0		75.92	110.44	0.00	0.00
136.0		75.66	109.79	0.00	0.00
137.0		1,176.12	711.34	0.00	0.00
138.0		63.28	105.41	0.00	0.00
139.0		62.99	104.76	0.00	0.00
140.0		62.70	104.11	0.00	0.00
141.0		3,558.25	2,602.33	0.00	4,476.53
142.0		62.11	91.67	0.00	0.00
143.0		61.81	91.02	0.00	0.00
144.0		61.51	90.37	0.00	0.00
145.0		61.21	89.73	0.00	0.00
146.0		60.90	89.08	0.00	0.00
147.0		60.59	88.43	0.00	0.00
147.9		4,474.41	3,995.93	0.00	9,847.02
148.0		723.29	314.09	0.00	8,672.26
	Totals:	31,892.21	51,989.16	0.00	28,451.35

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)



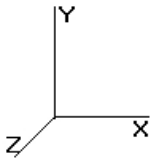
Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

Calculated Shaft Forces and Deflections

Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-31.907	-51.977	0.000	0.000	0.000	-3,568.668	0.000	0.000	0.000	0.000
1.00	-31.854	-51.635	0.000	0.000	0.000	-3,536.761	-0.004	0.000	0.004	-0.038
2.00	-31.800	-51.294	0.000	0.000	0.000	-3,504.908	-0.017	0.000	0.017	-0.077
3.00	-31.747	-50.954	0.000	0.000	0.000	-3,473.109	-0.038	0.000	0.038	-0.116
4.00	-31.693	-50.615	0.000	0.000	0.000	-3,441.363	-0.066	0.000	0.066	-0.154
5.00	-31.639	-50.277	0.000	0.000	0.000	-3,409.671	-0.103	0.000	0.103	-0.193
6.00	-31.569	-49.901	0.000	0.000	0.000	-3,378.033	-0.148	0.000	0.148	-0.232
7.00	-31.499	-49.527	0.000	0.000	0.000	-3,346.464	-0.201	0.000	0.201	-0.271
8.00	-31.429	-49.153	0.000	0.000	0.000	-3,314.966	-0.262	0.000	0.262	-0.310
9.00	-31.359	-48.781	0.000	0.000	0.000	-3,283.538	-0.331	0.000	0.331	-0.349
10.00	-31.288	-48.409	0.000	0.000	0.000	-3,252.180	-0.409	0.000	0.409	-0.388
11.00	-31.217	-48.039	0.000	0.000	0.000	-3,220.892	-0.495	0.000	0.495	-0.427
12.00	-31.147	-47.670	0.000	0.000	0.000	-3,189.675	-0.589	0.000	0.589	-0.466
13.00	-31.076	-47.302	0.000	0.000	0.000	-3,158.529	-0.691	0.000	0.691	-0.505
14.00	-31.005	-46.936	0.000	0.000	0.000	-3,127.454	-0.801	0.000	0.801	-0.545
15.00	-30.933	-46.570	0.000	0.000	0.000	-3,096.450	-0.920	0.000	0.920	-0.584
16.00	-30.862	-46.205	0.000	0.000	0.000	-3,065.518	-1.047	0.000	1.047	-0.623
17.00	-30.790	-45.842	0.000	0.000	0.000	-3,034.656	-1.182	0.000	1.182	-0.663
18.00	-30.719	-45.480	0.000	0.000	0.000	-3,003.867	-1.325	0.000	1.325	-0.703
19.00	-30.647	-45.119	0.000	0.000	0.000	-2,973.149	-1.477	0.000	1.477	-0.742
20.00	-30.575	-44.759	0.000	0.000	0.000	-2,942.502	-1.637	0.000	1.637	-0.782
21.00	-30.503	-44.400	0.000	0.000	0.000	-2,911.928	-1.805	0.000	1.805	-0.821
22.00	-30.430	-44.042	0.000	0.000	0.000	-2,881.426	-1.982	0.000	1.982	-0.861
23.00	-30.358	-43.686	0.000	0.000	0.000	-2,850.997	-2.167	0.000	2.167	-0.901
24.00	-30.285	-43.330	0.000	0.000	0.000	-2,820.639	-2.360	0.000	2.360	-0.941
25.00	-30.212	-42.976	0.000	0.000	0.000	-2,790.355	-2.562	0.000	2.562	-0.981
26.00	-30.140	-42.623	0.000	0.000	0.000	-2,760.143	-2.772	0.000	2.772	-1.021
27.00	-30.066	-42.271	0.000	0.000	0.000	-2,730.004	-2.990	0.000	2.990	-1.061
28.00	-29.993	-41.920	0.000	0.000	0.000	-2,699.938	-3.217	0.000	3.217	-1.101
29.00	-29.920	-41.570	0.000	0.000	0.000	-2,669.946	-3.452	0.000	3.452	-1.141
30.00	-29.846	-41.222	0.000	0.000	0.000	-2,640.026	-3.695	0.000	3.695	-1.181
31.00	-29.773	-40.874	0.000	0.000	0.000	-2,610.181	-3.947	0.000	3.947	-1.221
32.00	-29.699	-40.528	0.000	0.000	0.000	-2,580.409	-4.208	0.000	4.208	-1.261
33.00	-29.625	-40.183	0.000	0.000	0.000	-2,550.711	-4.476	0.000	4.476	-1.301
34.00	-29.550	-39.839	0.000	0.000	0.000	-2,521.086	-4.753	0.000	4.753	-1.341
35.00	-29.474	-39.496	0.000	0.000	0.000	-2,491.537	-5.039	0.000	5.039	-1.381
36.00	-29.397	-39.155	0.000	0.000	0.000	-2,462.064	-5.333	0.000	5.333	-1.422
37.00	-29.320	-38.814	0.000	0.000	0.000	-2,432.667	-5.635	0.000	5.635	-1.462
38.00	-29.241	-38.475	0.000	0.000	0.000	-2,403.348	-5.946	0.000	5.946	-1.502
39.00	-29.162	-38.137	0.000	0.000	0.000	-2,374.108	-6.265	0.000	6.265	-1.542
40.00	-29.081	-37.800	0.000	0.000	0.000	-2,344.947	-6.593	0.000	6.593	-1.583
41.00	-28.987	-37.474	0.000	0.000	0.000	-2,315.866	-6.929	0.000	6.929	-1.623
41.04	-28.997	-37.452	0.000	0.000	0.000	-2,314.816	-6.941	0.000	6.941	-1.624
42.00	-28.912	-36.972	0.000	0.000	0.000	-2,286.870	-7.273	0.000	7.273	-1.663
43.00	-28.823	-36.476	0.000	0.000	0.000	-2,257.959	-7.626	0.000	7.626	-1.703
44.00	-28.733	-35.983	0.000	0.000	0.000	-2,229.136	-7.988	0.000	7.988	-1.743
45.00	-28.642	-35.491	0.000	0.000	0.000	-2,200.403	-8.357	0.000	8.357	-1.783
46.00	-28.546	-35.005	0.000	0.000	0.000	-2,171.762	-8.735	0.000	8.735	-1.823
46.63	-28.484	-34.700	0.000	0.000	0.000	-2,153.778	-8.978	0.000	8.978	-1.848
47.00	-28.460	-34.580	0.000	0.000	0.000	-2,143.240	-9.122	0.000	9.122	-1.863
48.00	-28.374	-34.273	0.000	0.000	0.000	-2,114.780	-9.516	0.000	9.516	-1.905

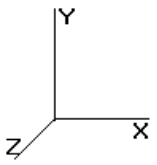
Pole :	**302515**	**Code: TIA/EIA-222 Rev F**	**12/5/2013 11:40:44 AM**
Location :	**SMFR - North, CT**		**Page: 67**
Height :	**148.00 (ft)**		
Base Dia :	**48.000 (in)**		
Top Dia :	**20.944 (in)**	**Base Elev : 0.000 (ft)**	
Shape :	**18 Sides**		
Taper :	**0.195479 (in/ft)**		



Load Case: **Ice** **77.94 mph Wind with Ice** **29 Iterations**

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

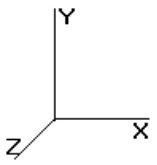
49.00	-28.287	-33.968	0.000	0.000	0.000	-2,086.406	-9.920	0.000	9.920	-1.947
50.00	-28.199	-33.664	0.000	0.000	0.000	-2,058.120	-10.333	0.000	10.333	-1.989
51.00	-28.111	-33.361	0.000	0.000	0.000	-2,029.921	-10.754	0.000	10.754	-2.031
52.00	-28.022	-33.060	0.000	0.000	0.000	-2,001.811	-11.185	0.000	11.185	-2.073
53.00	-27.932	-32.759	0.000	0.000	0.000	-1,973.790	-11.624	0.000	11.624	-2.115
54.00	-27.841	-32.459	0.000	0.000	0.000	-1,945.858	-12.071	0.000	12.071	-2.157
55.00	-27.750	-32.161	0.000	0.000	0.000	-1,918.017	-12.528	0.000	12.528	-2.199
56.00	-27.659	-31.863	0.000	0.000	0.000	-1,890.268	-12.993	0.000	12.993	-2.241
57.00	-27.566	-31.567	0.000	0.000	0.000	-1,862.610	-13.467	0.000	13.467	-2.283
58.00	-27.473	-31.272	0.000	0.000	0.000	-1,835.044	-13.950	0.000	13.950	-2.324
59.00	-27.380	-30.978	0.000	0.000	0.000	-1,807.571	-14.442	0.000	14.442	-2.366
60.00	-27.286	-30.685	0.000	0.000	0.000	-1,780.192	-14.942	0.000	14.942	-2.407
61.00	-27.191	-30.393	0.000	0.000	0.000	-1,752.907	-15.451	0.000	15.451	-2.449
62.00	-27.095	-30.102	0.000	0.000	0.000	-1,725.717	-15.968	0.000	15.968	-2.490
63.00	-27.000	-29.812	0.000	0.000	0.000	-1,698.622	-16.495	0.000	16.495	-2.531
64.00	-26.903	-29.524	0.000	0.000	0.000	-1,671.623	-17.029	0.000	17.029	-2.572
65.00	-26.806	-29.236	0.000	0.000	0.000	-1,644.721	-17.573	0.000	17.573	-2.613
66.00	-26.709	-28.950	0.000	0.000	0.000	-1,617.915	-18.125	0.000	18.125	-2.654
67.00	-26.610	-28.665	0.000	0.000	0.000	-1,591.207	-18.685	0.000	18.685	-2.695
68.00	-26.512	-28.381	0.000	0.000	0.000	-1,564.597	-19.254	0.000	19.254	-2.736
69.00	-26.413	-28.098	0.000	0.000	0.000	-1,538.086	-19.832	0.000	19.832	-2.776
70.00	-26.313	-27.816	0.000	0.000	0.000	-1,511.674	-20.417	0.000	20.417	-2.816
71.00	-26.213	-27.536	0.000	0.000	0.000	-1,485.361	-21.012	0.000	21.012	-2.857
72.00	-26.113	-27.256	0.000	0.000	0.000	-1,459.148	-21.615	0.000	21.615	-2.897
73.00	-26.012	-26.978	0.000	0.000	0.000	-1,433.036	-22.226	0.000	22.226	-2.936
74.00	-25.910	-26.701	0.000	0.000	0.000	-1,407.025	-22.845	0.000	22.845	-2.976
75.00	-25.555	-26.204	0.000	0.000	0.000	-1,381.116	-23.473	0.000	23.473	-3.016
76.00	-25.452	-25.930	0.000	0.000	0.000	-1,355.562	-24.109	0.000	24.109	-3.055
77.00	-25.349	-25.656	0.000	0.000	0.000	-1,330.110	-24.753	0.000	24.753	-3.094
78.00	-25.246	-25.384	0.000	0.000	0.000	-1,304.762	-25.405	0.000	25.405	-3.133
79.00	-25.142	-25.113	0.000	0.000	0.000	-1,279.517	-26.066	0.000	26.066	-3.172
80.00	-25.037	-24.842	0.000	0.000	0.000	-1,254.375	-26.734	0.000	26.734	-3.211
81.00	-24.928	-24.578	0.000	0.000	0.000	-1,229.339	-27.411	0.000	27.411	-3.249
81.49	-24.877	-24.446	0.000	0.000	0.000	-1,217.088	-27.746	0.000	27.746	-3.268
82.00	-24.824	-24.249	0.000	0.000	0.000	-1,204.437	-28.096	0.000	28.096	-3.287
83.00	-24.710	-23.871	0.000	0.000	0.000	-1,179.614	-28.788	0.000	28.788	-3.325
84.00	-24.596	-23.495	0.000	0.000	0.000	-1,154.904	-29.488	0.000	29.488	-3.362
85.00	-24.482	-23.121	0.000	0.000	0.000	-1,130.308	-30.197	0.000	30.197	-3.399
86.00	-24.361	-22.756	0.000	0.000	0.000	-1,105.827	-30.912	0.000	30.912	-3.435
86.18	-24.345	-22.685	0.000	0.000	0.000	-1,101.533	-31.039	0.000	31.039	-3.442
87.00	-24.259	-22.483	0.000	0.000	0.000	-1,081.479	-31.636	0.000	31.636	-3.472
88.00	-24.152	-22.240	0.000	0.000	0.000	-1,057.221	-32.367	0.000	32.367	-3.510
89.00	-24.044	-21.998	0.000	0.000	0.000	-1,033.069	-33.106	0.000	33.106	-3.548
90.00	-23.936	-21.757	0.000	0.000	0.000	-1,009.026	-33.854	0.000	33.854	-3.586
91.00	-23.828	-21.517	0.000	0.000	0.000	-985.090	-34.609	0.000	34.609	-3.623
92.00	-23.720	-21.278	0.000	0.000	0.000	-961.262	-35.372	0.000	35.372	-3.661
93.00	-23.611	-21.041	0.000	0.000	0.000	-937.543	-36.142	0.000	36.142	-3.697
94.00	-23.502	-20.804	0.000	0.000	0.000	-913.932	-36.921	0.000	36.921	-3.733
95.00	-23.392	-20.569	0.000	0.000	0.000	-890.431	-37.706	0.000	37.706	-3.769
96.00	-23.282	-20.334	0.000	0.000	0.000	-867.039	-38.500	0.000	38.500	-3.805
97.00	-23.172	-20.101	0.000	0.000	0.000	-843.757	-39.300	0.000	39.300	-3.840
98.00	-23.062	-19.869	0.000	0.000	0.000	-820.586	-40.108	0.000	40.108	-3.875
99.00	-22.951	-19.638	0.000	0.000	0.000	-797.524	-40.923	0.000	40.923	-3.909
100.0	-22.464	-19.210	0.000	0.000	0.000	-773.833	-41.745	0.000	41.745	-3.942
101.0	-22.353	-18.981	0.000	0.000	0.000	-751.370	-42.574	0.000	42.574	-3.976
102.0	-22.241	-18.754	0.000	0.000	0.000	-729.017	-43.410	0.000	43.410	-4.008
103.0	-22.129	-18.527	0.000	0.000	0.000	-706.777	-44.253	0.000	44.253	-4.040



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

104.0	-22.017	-18.302	0.000	0.000	0.000	-684.648	-45.103	0.000	45.103	-4.072
105.0	-21.904	-18.078	0.000	0.000	0.000	-662.632	-45.959	0.000	45.959	-4.103
106.0	-21.791	-17.854	0.000	0.000	0.000	-640.728	-46.821	0.000	46.821	-4.134
107.0	-21.678	-17.632	0.000	0.000	0.000	-618.938	-47.690	0.000	47.690	-4.164
108.0	-21.564	-17.413	0.000	0.000	0.000	-597.260	-48.565	0.000	48.565	-4.194
108.7	-21.476	-17.250	0.000	0.000	0.000	-581.087	-49.226	0.000	49.226	-4.215
109.0	-21.457	-17.202	0.000	0.000	0.000	-575.718	-49.446	0.000	49.446	-4.222
110.0	-20.728	-16.510	0.000	0.000	0.000	-553.921	-50.337	0.000	50.337	-4.282
111.0	-20.627	-16.349	0.000	0.000	0.000	-533.194	-51.240	0.000	51.240	-4.341
112.0	-20.526	-16.188	0.000	0.000	0.000	-512.567	-52.155	0.000	52.155	-4.399
113.0	-20.425	-16.030	0.000	0.000	0.000	-492.042	-53.082	0.000	53.082	-4.456
114.0	-20.343	-15.871	0.000	0.000	0.000	-471.617	-54.021	0.000	54.021	-4.512
115.0	-20.267	-15.713	0.000	0.000	0.000	-451.275	-54.971	0.000	54.971	-4.567
116.0	-20.191	-15.556	0.000	0.000	0.000	-431.008	-55.933	0.000	55.933	-4.620
117.0	-20.114	-15.401	0.000	0.000	0.000	-410.818	-56.905	0.000	56.905	-4.672
118.0	-20.037	-15.247	0.000	0.000	0.000	-390.704	-57.889	0.000	57.889	-4.723
119.0	-19.960	-15.094	0.000	0.000	0.000	-370.667	-58.882	0.000	58.882	-4.772
120.0	-16.266	-12.012	0.000	0.000	0.000	-350.708	-59.886	0.000	59.886	-4.819
121.0	-16.186	-11.866	0.000	0.000	0.000	-334.443	-60.900	0.000	60.900	-4.866
122.0	-16.105	-11.722	0.000	0.000	0.000	-318.258	-61.923	0.000	61.923	-4.911
123.0	-16.025	-11.578	0.000	0.000	0.000	-302.153	-62.955	0.000	62.955	-4.955
124.0	-15.944	-11.436	0.000	0.000	0.000	-286.129	-63.997	0.000	63.997	-4.997
124.9	-15.860	-11.302	0.000	0.000	0.000	-270.283	-65.041	0.000	65.041	-5.039
125.0	-15.863	-11.295	0.000	0.000	0.000	-270.186	-65.047	0.000	65.047	-5.039
126.0	-15.775	-11.088	0.000	0.000	0.000	-254.323	-66.106	0.000	66.106	-5.079
127.0	-15.686	-10.883	0.000	0.000	0.000	-238.549	-67.173	0.000	67.173	-5.117
128.0	-15.597	-10.681	0.000	0.000	0.000	-222.862	-68.247	0.000	68.247	-5.154
128.6	-15.535	-10.545	0.000	0.000	0.000	-212.234	-68.984	0.000	68.984	-5.178
129.0	-15.512	-10.503	0.000	0.000	0.000	-207.286	-69.329	0.000	69.329	-5.189
130.0	-15.431	-10.381	0.000	0.000	0.000	-191.774	-70.420	0.000	70.420	-5.228
131.0	-11.714	-8.059	0.000	0.000	0.000	-171.969	-71.518	0.000	71.518	-5.265
132.0	-11.632	-7.948	0.000	0.000	0.000	-160.256	-72.623	0.000	72.623	-5.299
133.0	-11.490	-7.772	0.000	0.000	0.000	-148.624	-73.735	0.000	73.735	-5.331
134.0	-11.408	-7.663	0.000	0.000	0.000	-137.134	-74.854	0.000	74.854	-5.362
135.0	-11.326	-7.554	0.000	0.000	0.000	-125.726	-75.978	0.000	75.978	-5.391
136.0	-11.244	-7.447	0.000	0.000	0.000	-114.400	-77.109	0.000	77.109	-5.418
137.0	-10.009	-6.846	0.000	0.000	0.000	-103.157	-78.246	0.000	78.246	-5.443
138.0	-9.938	-6.743	0.000	0.000	0.000	-93.148	-79.387	0.000	79.387	-5.467
139.0	-9.868	-6.641	0.000	0.000	0.000	-83.210	-80.533	0.000	80.533	-5.488
140.0	-9.798	-6.541	0.000	0.000	0.000	-73.342	-81.683	0.000	81.683	-5.508
141.0	-6.007	-4.291	0.000	0.000	0.000	-59.068	-82.837	0.000	82.837	-5.526
142.0	-5.938	-4.204	0.000	0.000	0.000	-53.061	-83.994	0.000	83.994	-5.540
143.0	-5.868	-4.118	0.000	0.000	0.000	-47.123	-85.155	0.000	85.155	-5.554
144.0	-5.799	-4.033	0.000	0.000	0.000	-41.255	-86.318	0.000	86.318	-5.566
145.0	-5.730	-3.949	0.000	0.000	0.000	-35.456	-87.483	0.000	87.483	-5.577
146.0	-5.662	-3.865	0.000	0.000	0.000	-29.726	-88.651	0.000	88.651	-5.587
147.0	-5.593	-3.782	0.000	0.000	0.000	-24.064	-89.820	0.000	89.820	-5.595
147.9	-0.750	-0.242	0.000	0.000	0.000	-8.680	-90.979	0.000	90.979	-5.602
148.0	-0.723	0.000	0.000	0.000	0.000	-8.672	-90.991	0.000	90.991	-5.602

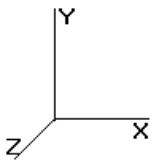


Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

Calculated Stresses

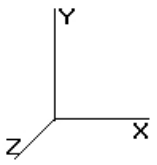
Seg Elev (ft)	Applied Stresses Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)	Allowable Stress (Fb) (ksi)		Stress Ratio
0.00	0.61	0.97	0.00	0.00	0.00	39.72	40.36	52.0	0.0	0.776
1.00	0.60	0.98	0.00	0.00	0.00	39.63	40.27	52.0	0.0	0.775
2.00	0.60	0.98	0.00	0.00	0.00	39.54	40.18	52.0	0.0	0.773
3.00	0.60	0.98	0.00	0.00	0.00	39.45	40.09	52.0	0.0	0.771
4.00	0.60	0.98	0.00	0.00	0.00	39.36	39.99	52.0	0.0	0.769
5.00	0.60	0.99	0.00	0.00	0.00	39.27	39.90	52.0	0.0	0.768
6.00	0.59	0.99	0.00	0.00	0.00	39.17	39.80	52.0	0.0	0.766
7.00	0.59	0.99	0.00	0.00	0.00	39.08	39.70	52.0	0.0	0.764
8.00	0.59	0.99	0.00	0.00	0.00	38.98	39.60	52.0	0.0	0.762
9.00	0.59	0.99	0.00	0.00	0.00	38.88	39.50	52.0	0.0	0.760
10.00	0.58	1.00	0.00	0.00	0.00	38.78	39.40	52.0	0.0	0.758
11.00	0.58	1.00	0.00	0.00	0.00	38.68	39.29	52.0	0.0	0.756
12.00	0.58	1.00	0.00	0.00	0.00	38.57	39.19	52.0	0.0	0.754
13.00	0.58	1.00	0.00	0.00	0.00	38.47	39.08	52.0	0.0	0.752
14.00	0.57	1.00	0.00	0.00	0.00	38.36	38.97	52.0	0.0	0.750
15.00	0.57	1.01	0.00	0.00	0.00	38.25	38.86	52.0	0.0	0.748
16.00	0.57	1.01	0.00	0.00	0.00	38.14	38.75	52.0	0.0	0.745
17.00	0.57	1.01	0.00	0.00	0.00	38.03	38.63	52.0	0.0	0.743
18.00	0.56	1.01	0.00	0.00	0.00	37.91	38.51	52.0	0.0	0.741
19.00	0.56	1.01	0.00	0.00	0.00	37.79	38.40	52.0	0.0	0.739
20.00	0.56	1.02	0.00	0.00	0.00	37.68	38.27	52.0	0.0	0.736
21.00	0.56	1.02	0.00	0.00	0.00	37.56	38.15	52.0	0.0	0.734
22.00	0.55	1.02	0.00	0.00	0.00	37.43	38.03	52.0	0.0	0.732
23.00	0.55	1.02	0.00	0.00	0.00	37.31	37.90	52.0	0.0	0.729
24.00	0.55	1.03	0.00	0.00	0.00	37.18	37.77	52.0	0.0	0.727
25.00	0.54	1.03	0.00	0.00	0.00	37.06	37.64	52.0	0.0	0.724
26.00	0.54	1.03	0.00	0.00	0.00	36.93	37.51	52.0	0.0	0.722
27.00	0.54	1.03	0.00	0.00	0.00	36.80	37.38	52.0	0.0	0.719
28.00	0.54	1.03	0.00	0.00	0.00	36.66	37.24	52.0	0.0	0.716
29.00	0.53	1.04	0.00	0.00	0.00	36.53	37.10	52.0	0.0	0.714
30.00	0.53	1.04	0.00	0.00	0.00	36.39	36.96	52.0	0.0	0.711
31.00	0.53	1.04	0.00	0.00	0.00	36.25	36.82	52.0	0.0	0.708
32.00	0.53	1.04	0.00	0.00	0.00	36.10	36.68	52.0	0.0	0.706
33.00	0.52	1.05	0.00	0.00	0.00	35.96	36.53	52.0	0.0	0.703
34.00	0.52	1.05	0.00	0.00	0.00	35.81	36.38	52.0	0.0	0.700
35.00	0.52	1.05	0.00	0.00	0.00	35.66	36.23	52.0	0.0	0.697
36.00	0.52	1.05	0.00	0.00	0.00	35.51	36.07	52.0	0.0	0.694
37.00	0.51	1.06	0.00	0.00	0.00	35.36	35.92	52.0	0.0	0.691
38.00	0.51	1.06	0.00	0.00	0.00	35.20	35.76	52.0	0.0	0.688
39.00	0.51	1.06	0.00	0.00	0.00	35.04	35.60	52.0	0.0	0.685
40.00	0.51	1.06	0.00	0.00	0.00	34.88	35.43	52.0	0.0	0.682
41.00	0.50	1.06	0.00	0.00	0.00	34.72	35.27	52.0	0.0	0.678
41.04	0.50	1.06	0.00	0.00	0.00	34.71	35.26	52.0	0.0	0.678
42.00	0.50	1.07	0.00	0.00	0.00	34.18	34.73	52.0	0.0	0.668
43.00	0.49	1.07	0.00	0.00	0.00	34.01	34.55	52.0	0.0	0.665
44.00	0.49	1.07	0.00	0.00	0.00	33.84	34.38	52.0	0.0	0.661
45.00	0.48	1.07	0.00	0.00	0.00	33.66	34.20	52.0	0.0	0.658
46.00	0.48	1.07	0.00	0.00	0.00	33.48	34.01	52.0	0.0	0.654
46.63	0.52	1.23	0.00	0.00	0.00	36.07	36.65	52.0	0.0	0.705
47.00	0.52	1.23	0.00	0.00	0.00	35.99	36.58	52.0	0.0	0.704
48.00	0.52	1.23	0.00	0.00	0.00	35.79	36.37	52.0	0.0	0.700



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

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

49.00	0.52	1.23	0.00	0.00	0.00	35.58	36.16	52.0	0.0	0.696
50.00	0.51	1.24	0.00	0.00	0.00	35.37	35.94	52.0	0.0	0.691
51.00	0.51	1.24	0.00	0.00	0.00	35.15	35.73	52.0	0.0	0.687
52.00	0.51	1.24	0.00	0.00	0.00	34.93	35.51	52.0	0.0	0.683
53.00	0.50	1.24	0.00	0.00	0.00	34.71	35.28	52.0	0.0	0.679
54.00	0.50	1.25	0.00	0.00	0.00	34.49	35.06	52.0	0.0	0.674
55.00	0.50	1.25	0.00	0.00	0.00	34.26	34.83	52.0	0.0	0.670
56.00	0.50	1.25	0.00	0.00	0.00	34.03	34.59	52.0	0.0	0.666
57.00	0.49	1.25	0.00	0.00	0.00	33.80	34.36	52.0	0.0	0.661
58.00	0.49	1.26	0.00	0.00	0.00	33.56	34.12	52.0	0.0	0.656
59.00	0.49	1.26	0.00	0.00	0.00	33.32	33.88	52.0	0.0	0.652
60.00	0.49	1.26	0.00	0.00	0.00	33.08	33.63	52.0	0.0	0.647
61.00	0.48	1.26	0.00	0.00	0.00	32.83	33.38	52.0	0.0	0.642
62.00	0.48	1.27	0.00	0.00	0.00	32.58	33.13	52.0	0.0	0.637
63.00	0.48	1.27	0.00	0.00	0.00	32.33	32.88	52.0	0.0	0.632
64.00	0.47	1.27	0.00	0.00	0.00	32.07	32.62	52.0	0.0	0.627
65.00	0.47	1.27	0.00	0.00	0.00	31.81	32.35	52.0	0.0	0.622
66.00	0.47	1.27	0.00	0.00	0.00	31.54	32.09	52.0	0.0	0.617
67.00	0.47	1.28	0.00	0.00	0.00	31.28	31.82	52.0	0.0	0.612
68.00	0.46	1.28	0.00	0.00	0.00	31.01	31.55	52.0	0.0	0.607
69.00	0.46	1.28	0.00	0.00	0.00	30.73	31.27	52.0	0.0	0.602
70.00	0.46	1.28	0.00	0.00	0.00	30.45	30.99	52.0	0.0	0.596
71.00	0.45	1.29	0.00	0.00	0.00	30.17	30.70	52.0	0.0	0.591
72.00	0.45	1.29	0.00	0.00	0.00	29.88	30.42	52.0	0.0	0.585
73.00	0.45	1.29	0.00	0.00	0.00	29.59	30.12	52.0	0.0	0.580
74.00	0.45	1.29	0.00	0.00	0.00	29.30	29.83	52.0	0.0	0.574
75.00	0.44	1.28	0.00	0.00	0.00	29.00	29.52	52.0	0.0	0.568
76.00	0.44	1.29	0.00	0.00	0.00	28.70	29.22	52.0	0.0	0.562
77.00	0.43	1.29	0.00	0.00	0.00	28.40	28.92	52.0	0.0	0.556
78.00	0.43	1.29	0.00	0.00	0.00	28.10	28.62	52.0	0.0	0.551
79.00	0.43	1.29	0.00	0.00	0.00	27.79	28.31	52.0	0.0	0.545
80.00	0.42	1.30	0.00	0.00	0.00	27.48	27.99	52.0	0.0	0.538
81.00	0.42	1.30	0.00	0.00	0.00	27.16	27.67	52.0	0.0	0.532
81.49	0.42	1.30	0.00	0.00	0.00	27.00	27.51	52.0	0.0	0.529
82.00	0.42	1.30	0.00	0.00	0.00	26.48	26.99	52.0	0.0	0.519
83.00	0.41	1.30	0.00	0.00	0.00	26.15	26.66	52.0	0.0	0.513
84.00	0.41	1.30	0.00	0.00	0.00	25.82	26.33	52.0	0.0	0.506
85.00	0.40	1.31	0.00	0.00	0.00	25.49	25.99	52.0	0.0	0.500
86.00	0.40	1.31	0.00	0.00	0.00	25.15	25.65	52.0	0.0	0.493
86.18	0.44	1.54	0.00	0.00	0.00	27.25	27.82	52.0	0.0	0.535
87.00	0.44	1.54	0.00	0.00	0.00	26.94	27.50	52.0	0.0	0.529
88.00	0.43	1.54	0.00	0.00	0.00	26.55	27.12	52.0	0.0	0.522
89.00	0.43	1.54	0.00	0.00	0.00	26.16	26.73	52.0	0.0	0.514
90.00	0.43	1.55	0.00	0.00	0.00	25.77	26.33	52.0	0.0	0.507
91.00	0.42	1.55	0.00	0.00	0.00	25.37	25.93	52.0	0.0	0.499
92.00	0.42	1.55	0.00	0.00	0.00	24.96	25.52	52.0	0.0	0.491
93.00	0.42	1.55	0.00	0.00	0.00	24.55	25.11	52.0	0.0	0.483
94.00	0.42	1.56	0.00	0.00	0.00	24.14	24.70	52.0	0.0	0.475
95.00	0.41	1.56	0.00	0.00	0.00	23.72	24.28	52.0	0.0	0.467
96.00	0.41	1.56	0.00	0.00	0.00	23.29	23.85	52.0	0.0	0.459
97.00	0.41	1.56	0.00	0.00	0.00	22.86	23.42	52.0	0.0	0.451
98.00	0.40	1.57	0.00	0.00	0.00	22.42	22.99	52.0	0.0	0.442
99.00	0.40	1.57	0.00	0.00	0.00	21.98	22.54	52.0	0.0	0.434
100.00	0.39	1.55	0.00	0.00	0.00	21.51	22.07	52.0	0.0	0.425
101.00	0.39	1.55	0.00	0.00	0.00	21.07	21.62	52.0	0.0	0.416
102.00	0.39	1.55	0.00	0.00	0.00	20.62	21.18	52.0	0.0	0.407
103.00	0.38	1.55	0.00	0.00	0.00	20.16	20.72	52.0	0.0	0.399



Load Case: Ice — 77.94 mph Wind with Ice — 29 Iterations

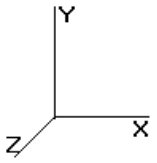
Gust Response Factor 1.69
Dead Load Factor : 1.00
Wind Load Factor : 1.00

104.00	0.38	1.56	0.00	0.00	0.00	19.70	20.26	52.0	0.0	0.390
105.00	0.38	1.56	0.00	0.00	0.00	19.24	19.80	52.0	0.0	0.381
106.00	0.37	1.56	0.00	0.00	0.00	18.77	19.33	52.0	0.0	0.372
107.00	0.37	1.57	0.00	0.00	0.00	18.29	18.86	52.0	0.0	0.363
108.00	0.37	1.57	0.00	0.00	0.00	17.81	18.37	52.0	0.0	0.353
108.75	0.37	1.57	0.00	0.00	0.00	17.44	18.01	52.0	0.0	0.346
108.75	0.63	1.57	0.00	0.00	0.00	36.96	37.68	52.0	0.0	0.725
109.00	0.62	1.57	0.00	0.00	0.00	36.74	37.47	52.0	0.0	0.721
110.00	0.60	1.53	0.00	0.00	0.00	35.86	36.56	52.0	0.0	0.703
111.00	0.60	1.53	0.00	0.00	0.00	35.01	35.72	52.0	0.0	0.687
112.00	0.60	1.54	0.00	0.00	0.00	34.15	34.85	52.0	0.0	0.670
113.00	0.60	1.54	0.00	0.00	0.00	33.26	33.97	52.0	0.0	0.653
114.00	0.60	1.54	0.00	0.00	0.00	32.35	33.06	52.0	0.0	0.636
115.00	0.60	1.55	0.00	0.00	0.00	31.41	32.12	52.0	0.0	0.618
116.00	0.59	1.55	0.00	0.00	0.00	30.45	31.16	52.0	0.0	0.600
117.00	0.59	1.56	0.00	0.00	0.00	29.46	30.18	52.0	0.0	0.581
118.00	0.59	1.57	0.00	0.00	0.00	28.45	29.16	52.0	0.0	0.561
119.00	0.59	1.57	0.00	0.00	0.00	27.40	28.12	52.0	0.0	0.541
120.00	0.47	1.29	0.00	0.00	0.00	26.33	26.89	52.0	0.0	0.517
121.00	0.47	1.29	0.00	0.00	0.00	25.49	26.06	52.0	0.0	0.501
122.00	0.47	1.30	0.00	0.00	0.00	24.64	25.21	52.0	0.0	0.485
123.00	0.47	1.30	0.00	0.00	0.00	23.76	24.33	52.0	0.0	0.468
124.00	0.46	1.31	0.00	0.00	0.00	22.86	23.43	52.0	0.0	0.451
124.99	0.46	1.31	0.00	0.00	0.00	21.94	22.52	52.0	0.0	0.433
125.00	0.46	1.31	0.00	0.00	0.00	21.93	22.51	52.0	0.0	0.433
126.00	0.46	1.31	0.00	0.00	0.00	20.98	21.56	52.0	0.0	0.415
127.00	0.45	1.32	0.00	0.00	0.00	20.00	20.58	52.0	0.0	0.396
128.00	0.45	1.32	0.00	0.00	0.00	18.99	19.57	52.0	0.0	0.377
128.68	0.54	1.61	0.00	0.00	0.00	21.76	22.48	52.0	0.0	0.432
129.00	0.54	1.61	0.00	0.00	0.00	21.36	22.08	52.0	0.0	0.425
130.00	0.54	1.62	0.00	0.00	0.00	20.09	20.82	52.0	0.0	0.400
131.00	0.42	1.24	0.00	0.00	0.00	18.31	18.85	52.0	0.0	0.363
132.00	0.42	1.24	0.00	0.00	0.00	17.34	17.89	52.0	0.0	0.344
133.00	0.41	1.24	0.00	0.00	0.00	16.35	16.90	52.0	0.0	0.325
134.00	0.41	1.24	0.00	0.00	0.00	15.34	15.90	52.0	0.0	0.306
135.00	0.41	1.24	0.00	0.00	0.00	14.31	14.87	52.0	0.0	0.286
136.00	0.41	1.24	0.00	0.00	0.00	13.24	13.81	52.0	0.0	0.266
137.00	0.38	1.11	0.00	0.00	0.00	12.14	12.67	52.0	0.0	0.244
138.00	0.38	1.11	0.00	0.00	0.00	11.16	11.69	52.0	0.0	0.225
139.00	0.37	1.12	0.00	0.00	0.00	10.14	10.69	52.0	0.0	0.206
140.00	0.37	1.12	0.00	0.00	0.00	9.10	9.66	52.0	0.0	0.186
141.00	0.25	0.69	0.00	0.00	0.00	7.46	7.80	52.0	0.0	0.150
142.00	0.24	0.69	0.00	0.00	0.00	6.82	7.16	52.0	0.0	0.138
143.00	0.24	0.69	0.00	0.00	0.00	6.17	6.52	52.0	0.0	0.125
144.00	0.24	0.69	0.00	0.00	0.00	5.50	5.86	52.0	0.0	0.113
145.00	0.23	0.68	0.00	0.00	0.00	4.81	5.19	52.0	0.0	0.100
146.00	0.23	0.68	0.00	0.00	0.00	4.11	4.50	52.0	0.0	0.087
147.00	0.23	0.68	0.00	0.00	0.00	3.39	3.81	52.0	0.0	0.073
147.99	0.01	0.09	0.00	0.00	0.00	1.25	1.27	52.0	0.0	0.024
148.00	0.00	0.09	0.00	0.00	0.00	1.25	1.26	52.0	0.0	0.024

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

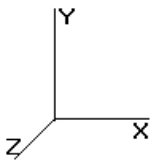


Load Case: Twist/Sway — 50.00 mph Wind with No Ice — 28 Iterations

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

Shaft Segment Forces

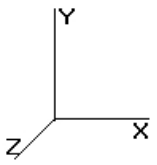
Seg Top Elev (ft)	Description		Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		0.00	1.00	6.400	10.816	200.000	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		0.00	1.00	6.400	10.816	199.186	0.650	0.000	1.00	3.992	2.59	28.1	0.0	291.1
2.00		0.00	1.00	6.400	10.816	198.371	0.650	0.000	1.00	3.976	2.58	27.9	0.0	290.1
3.00		0.00	1.00	6.400	10.816	197.557	0.650	0.000	1.00	3.959	2.57	27.8	0.0	289.2
4.00		0.00	1.00	6.400	10.816	196.742	0.650	0.000	1.00	3.943	2.56	27.7	0.0	288.3
5.00		0.00	1.00	6.400	10.816	195.928	0.650	0.000	1.00	3.927	2.55	27.6	0.0	287.4
6.00		0.00	1.00	6.400	10.816	195.113	0.650	0.000	1.00	3.910	2.54	27.5	0.0	286.5
7.00		0.00	1.00	6.400	10.816	194.299	0.650	0.000	1.00	3.894	2.53	27.4	0.0	285.5
8.00		0.00	1.00	6.400	10.816	193.484	0.650	0.000	1.00	3.878	2.52	27.3	0.0	284.6
9.00		0.00	1.00	6.400	10.816	192.670	0.650	0.000	1.00	3.862	2.51	27.1	0.0	283.7
10.00		0.00	1.00	6.400	10.816	191.855	0.650	0.000	1.00	3.845	2.50	27.0	0.0	282.8
11.00		0.00	1.00	6.400	10.816	191.041	0.650	0.000	1.00	3.829	2.49	26.9	0.0	281.8
12.00		0.00	1.00	6.400	10.816	190.226	0.650	0.000	1.00	3.813	2.48	26.8	0.0	280.9
13.00		0.00	1.00	6.400	10.816	189.412	0.650	0.000	1.00	3.796	2.47	26.7	0.0	280.0
14.00		0.00	1.00	6.400	10.816	188.597	0.650	0.000	1.00	3.780	2.46	26.6	0.0	279.1
15.00		0.00	1.00	6.400	10.816	187.783	0.650	0.000	1.00	3.764	2.45	26.5	0.0	278.1
16.00		0.00	1.00	6.400	10.816	186.968	0.650	0.000	1.00	3.748	2.44	26.3	0.0	277.2
17.00		0.00	1.00	6.400	10.816	186.154	0.650	0.000	1.00	3.731	2.43	26.2	0.0	276.3
18.00		0.00	1.00	6.400	10.816	185.339	0.650	0.000	1.00	3.715	2.41	26.1	0.0	275.4
19.00		0.00	1.00	6.400	10.816	184.525	0.650	0.000	1.00	3.699	2.40	26.0	0.0	274.4
20.00		0.00	1.00	6.400	10.816	183.710	0.650	0.000	1.00	3.682	2.39	25.9	0.0	273.5
21.00		0.00	1.00	6.400	10.816	182.896	0.650	0.000	1.00	3.666	2.38	25.8	0.0	272.6
22.00		0.00	1.00	6.400	10.816	182.081	0.650	0.000	1.00	3.650	2.37	25.7	0.0	271.7
23.00		0.00	1.00	6.400	10.816	181.267	0.650	0.000	1.00	3.633	2.36	25.5	0.0	270.8
24.00		0.00	1.00	6.400	10.816	180.452	0.650	0.000	1.00	3.617	2.35	25.4	0.0	269.8
25.00		0.00	1.00	6.400	10.816	179.638	0.650	0.000	1.00	3.601	2.34	25.3	0.0	268.9
26.00		0.00	1.00	6.400	10.816	178.823	0.650	0.000	1.00	3.585	2.33	25.2	0.0	268.0
27.00		0.00	1.00	6.400	10.816	178.009	0.650	0.000	1.00	3.568	2.32	25.1	0.0	267.1
28.00		0.00	1.00	6.400	10.816	177.194	0.650	0.000	1.00	3.552	2.31	25.0	0.0	266.1
29.00		0.00	1.00	6.400	10.816	176.380	0.650	0.000	1.00	3.536	2.30	24.9	0.0	265.2
30.00		0.00	1.00	6.400	10.816	175.565	0.650	0.000	1.00	3.519	2.29	24.7	0.0	264.3
31.00		0.00	1.00	6.400	10.816	174.751	0.650	0.000	1.00	3.503	2.28	24.6	0.0	263.4
32.00		0.00	1.00	6.400	10.816	173.936	0.650	0.000	1.00	3.487	2.27	24.5	0.0	262.4
33.00		0.00	1.00	6.400	10.816	173.122	0.650	0.000	1.00	3.471	2.26	24.4	0.0	261.5
34.00		0.00	1.00	6.455	10.909	173.044	0.650	0.000	1.00	3.454	2.25	24.5	0.0	260.6
35.00		0.00	1.01	6.509	10.999	172.940	0.650	0.000	1.00	3.438	2.23	24.6	0.0	259.7
36.00		0.00	1.02	6.561	11.088	172.813	0.650	0.000	1.00	3.422	2.22	24.7	0.0	258.7
37.00		0.00	1.03	6.613	11.175	172.663	0.650	0.000	1.00	3.405	2.21	24.7	0.0	257.8
38.00		0.00	1.04	6.663	11.261	172.491	0.650	0.000	1.00	3.389	2.20	24.8	0.0	256.9
39.00		0.00	1.04	6.713	11.345	172.298	0.650	0.000	1.00	3.373	2.19	24.9	0.0	256.0
40.00		0.00	1.05	6.762	11.427	172.085	0.650	0.000	1.00	3.357	2.18	24.9	0.0	255.0
41.00		0.00	1.06	6.809	11.508	171.853	0.650	0.000	1.00	3.340	2.17	25.0	0.0	254.1
41.04	Bot - Section 2	0.00	1.06	6.811	11.511	171.844	0.650	0.000	0.04	0.121	0.08	0.9	0.0	9.2
42.00		0.00	1.07	6.857	11.588	171.602	0.650	0.000	0.96	3.263	2.12	24.6	0.0	401.1
43.00		0.00	1.07	6.903	11.666	171.334	0.650	0.000	1.00	3.370	2.19	25.6	0.0	414.6
44.00		0.00	1.08	6.948	11.743	171.049	0.650	0.000	1.00	3.354	2.18	25.6	0.0	412.8
45.00		0.00	1.09	6.993	11.818	170.748	0.650	0.000	1.00	3.338	2.17	25.6	0.0	411.1
46.00		0.00	1.10	7.037	11.893	170.431	0.650	0.000	1.00	3.321	2.16	25.7	0.0	409.4
46.63	Top - Section 1	0.00	1.10	7.064	11.939	170.223	0.650	0.000	0.63	2.084	1.35	16.2	0.0	257.0
47.00		0.00	1.10	7.080	11.966	173.385	0.650	0.000	0.37	1.221	0.79	9.5	0.0	83.5
48.00		0.00	1.11	7.123	12.038	173.048	0.650	0.000	1.00	3.289	2.14	25.7	0.0	225.1



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

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

49.00		0.00	1.12	7.165	12.109	172.697	0.650	0.000	1.00	3.272	2.13	25.8	0.0	224.3
50.00		0.00	1.12	7.207	12.179	172.332	0.650	0.000	1.00	3.256	2.12	25.8	0.0	223.5
51.00		0.00	1.13	7.248	12.248	171.953	0.650	0.000	1.00	3.240	2.11	25.8	0.0	222.7
52.00		0.00	1.13	7.288	12.317	171.562	0.650	0.000	1.00	3.224	2.10	25.8	0.0	221.9
53.00		0.00	1.14	7.328	12.384	171.158	0.650	0.000	1.00	3.207	2.08	25.8	0.0	221.2
54.00		0.00	1.15	7.367	12.450	170.742	0.650	0.000	1.00	3.191	2.07	25.8	0.0	220.4
55.00		0.00	1.15	7.406	12.516	170.314	0.650	0.000	1.00	3.175	2.06	25.8	0.0	219.6
56.00		0.00	1.16	7.444	12.580	169.874	0.650	0.000	1.00	3.158	2.05	25.8	0.0	218.8
57.00		0.00	1.16	7.482	12.644	169.424	0.650	0.000	1.00	3.142	2.04	25.8	0.0	218.0
58.00		0.00	1.17	7.519	12.707	168.962	0.650	0.000	1.00	3.126	2.03	25.8	0.0	217.2
59.00		0.00	1.18	7.556	12.769	168.490	0.650	0.000	1.00	3.110	2.02	25.8	0.0	216.4
60.00		0.00	1.18	7.592	12.831	168.008	0.650	0.000	1.00	3.093	2.01	25.8	0.0	215.6
61.00		0.00	1.19	7.628	12.891	167.516	0.650	0.000	1.00	3.077	2.00	25.8	0.0	214.8
62.00		0.00	1.19	7.664	12.951	167.015	0.650	0.000	1.00	3.061	1.99	25.8	0.0	214.0
63.00		0.00	1.20	7.699	13.011	166.503	0.650	0.000	1.00	3.044	1.98	25.7	0.0	213.2
64.00		0.00	1.20	7.733	13.069	165.983	0.650	0.000	1.00	3.028	1.97	25.7	0.0	212.4
65.00		0.00	1.21	7.768	13.127	165.454	0.650	0.000	1.00	3.012	1.96	25.7	0.0	211.7
66.00		0.00	1.21	7.802	13.185	164.916	0.650	0.000	1.00	2.996	1.95	25.7	0.0	210.9
67.00		0.00	1.22	7.835	13.242	164.369	0.650	0.000	1.00	2.979	1.94	25.6	0.0	210.1
68.00		0.00	1.22	7.869	13.298	163.814	0.650	0.000	1.00	2.963	1.93	25.6	0.0	209.3
69.00		0.00	1.23	7.901	13.353	163.251	0.650	0.000	1.00	2.947	1.92	25.6	0.0	208.5
70.00		0.00	1.24	7.934	13.408	162.680	0.650	0.000	1.00	2.930	1.90	25.5	0.0	207.7
71.00		0.00	1.24	7.966	13.463	162.102	0.650	0.000	1.00	2.914	1.89	25.5	0.0	206.9
72.00		0.00	1.25	7.998	13.517	161.515	0.650	0.000	1.00	2.898	1.88	25.5	0.0	206.1
73.00		0.00	1.25	8.030	13.570	160.922	0.650	0.000	1.00	2.881	1.87	25.4	0.0	205.3
74.00		0.00	1.26	8.061	13.623	160.321	0.650	0.000	1.00	2.865	1.86	25.4	0.0	204.5
75.00	Appertunance(s)	0.00	1.26	8.092	13.675	159.713	0.650	0.000	1.00	2.849	1.85	25.3	0.0	203.7
76.00		0.00	1.26	8.123	13.727	159.097	0.650	0.000	1.00	2.833	1.84	25.3	0.0	202.9
77.00		0.00	1.27	8.153	13.779	158.476	0.650	0.000	1.00	2.816	1.83	25.2	0.0	202.2
78.00		0.00	1.27	8.183	13.829	157.847	0.650	0.000	1.00	2.800	1.82	25.2	0.0	201.4
79.00		0.00	1.28	8.213	13.880	157.212	0.650	0.000	1.00	2.784	1.81	25.1	0.0	200.6
80.00		0.00	1.28	8.242	13.930	156.570	0.650	0.000	1.00	2.767	1.80	25.1	0.0	199.8
81.00		0.00	1.29	8.272	13.979	155.922	0.650	0.000	1.00	2.751	1.79	25.0	0.0	199.0
81.49	Bot - Section 3	0.00	1.29	8.286	14.004	155.602	0.650	0.000	0.49	1.346	0.87	12.3	0.0	97.5
82.00		0.00	1.29	8.301	14.028	155.268	0.650	0.000	0.51	1.415	0.92	12.9	0.0	157.5
83.00		0.00	1.30	8.330	14.077	154.608	0.650	0.000	1.00	2.771	1.80	25.4	0.0	308.6
84.00		0.00	1.30	8.358	14.125	153.942	0.650	0.000	1.00	2.754	1.79	25.3	0.0	307.1
85.00		0.00	1.31	8.387	14.173	153.270	0.650	0.000	1.00	2.738	1.78	25.2	0.0	305.7
86.00		0.00	1.31	8.415	14.221	152.593	0.650	0.000	1.00	2.722	1.77	25.2	0.0	304.2
86.18	Top - Section 2	0.00	1.31	8.420	14.229	152.473	0.650	0.000	0.18	0.478	0.31	4.4	0.0	53.5
87.00		0.00	1.31	8.442	14.268	154.900	0.650	0.000	0.82	2.227	1.45	20.7	0.0	144.4
88.00		0.00	1.32	8.470	14.314	154.216	0.650	0.000	1.00	2.689	1.75	25.0	0.0	174.7
89.00		0.00	1.32	8.497	14.361	153.527	0.650	0.000	1.00	2.673	1.74	25.0	0.0	174.0
90.00		0.00	1.33	8.525	14.407	152.832	0.650	0.000	1.00	2.657	1.73	24.9	0.0	173.3
91.00		0.00	1.33	8.552	14.452	152.132	0.650	0.000	1.00	2.640	1.72	24.8	0.0	172.7
92.00		0.00	1.34	8.578	14.497	151.427	0.650	0.000	1.00	2.624	1.71	24.7	0.0	172.0
93.00		0.00	1.34	8.605	14.542	150.717	0.650	0.000	1.00	2.608	1.70	24.6	0.0	171.4
94.00		0.00	1.34	8.631	14.587	150.001	0.650	0.000	1.00	2.591	1.68	24.6	0.0	170.7
95.00		0.00	1.35	8.657	14.631	149.281	0.650	0.000	1.00	2.575	1.67	24.5	0.0	170.0
96.00		0.00	1.35	8.683	14.675	148.556	0.650	0.000	1.00	2.559	1.66	24.4	0.0	169.4
97.00		0.00	1.36	8.709	14.718	147.825	0.650	0.000	1.00	2.543	1.65	24.3	0.0	168.7
98.00		0.00	1.36	8.735	14.761	147.091	0.650	0.000	1.00	2.526	1.64	24.2	0.0	168.1
99.00		0.00	1.36	8.760	14.804	146.351	0.650	0.000	1.00	2.510	1.63	24.2	0.0	167.4
100.0	Appertunance(s)	0.00	1.37	8.785	14.847	145.607	0.650	0.000	1.00	2.494	1.62	24.1	0.0	166.7
101.0		0.00	1.37	8.810	14.889	144.859	0.650	0.000	1.00	2.477	1.61	24.0	0.0	166.1
102.0		0.00	1.38	8.835	14.931	144.106	0.650	0.000	1.00	2.461	1.60	23.9	0.0	165.4
103.0		0.00	1.38	8.860	14.973	143.348	0.650	0.000	1.00	2.445	1.59	23.8	0.0	164.8



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

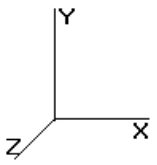
Gust Response Factor 1.69
Dead Load Factor : 1.00
Wind Load Factor : 1.00

104.0		0.00	1.38	8.884	15.014	142.587	0.650	0.000	1.00	2.429	1.58	23.7	0.0	164.1
105.0		0.00	1.39	8.908	15.055	141.821	0.650	0.000	1.00	2.412	1.57	23.6	0.0	163.4
106.0		0.00	1.39	8.933	15.096	141.051	0.650	0.000	1.00	2.396	1.56	23.5	0.0	162.8
107.0		0.00	1.39	8.957	15.137	140.277	0.650	0.000	1.00	2.380	1.55	23.4	0.0	162.1
108.0		0.00	1.40	8.980	15.177	139.498	0.650	0.000	1.00	2.363	1.54	23.3	0.0	161.5
108.7	Reinf. Top	0.00	1.40	8.998	15.207	138.912	0.650	0.000	0.75	1.762	1.15	17.4	0.0	120.7
109.0		0.00	1.40	9.004	15.217	138.716	0.650	0.000	0.25	0.585	0.38	5.8	0.0	23.4
110.0	Appertunance(s)	0.00	1.41	9.028	15.257	137.930	0.650	0.000	1.00	2.331	1.52	23.1	0.0	93.3
111.0		0.00	1.41	9.051	15.296	137.140	0.650	0.000	1.00	2.315	1.50	23.0	0.0	92.7
112.0		0.00	1.41	9.074	15.335	136.346	0.650	0.000	1.00	2.298	1.49	22.9	0.0	92.0
113.0		0.00	1.42	9.097	15.374	135.548	0.650	0.000	1.00	2.282	1.48	22.8	0.0	91.4
114.0		0.00	1.42	9.120	15.413	134.746	0.650	0.000	1.00	2.266	1.47	22.7	0.0	90.7
115.0		0.00	1.42	9.143	15.452	133.941	0.650	0.000	1.00	2.249	1.46	22.6	0.0	90.0
116.0		0.00	1.43	9.166	15.490	133.132	0.650	0.000	1.00	2.233	1.45	22.5	0.0	89.4
117.0		0.00	1.43	9.188	15.528	132.319	0.650	0.000	1.00	2.217	1.44	22.4	0.0	88.7
118.0		0.00	1.43	9.211	15.566	131.503	0.650	0.000	1.00	2.201	1.43	22.3	0.0	88.1
119.0		0.00	1.44	9.233	15.603	130.684	0.650	0.000	1.00	2.184	1.42	22.2	0.0	87.4
120.0	Appertunance(s)	0.00	1.44	9.255	15.641	129.860	0.650	0.000	1.00	2.168	1.41	22.0	0.0	86.7
121.0		0.00	1.45	9.277	15.678	129.034	0.650	0.000	1.00	2.152	1.40	21.9	0.0	86.1
122.0		0.00	1.45	9.299	15.715	128.204	0.650	0.000	1.00	2.135	1.39	21.8	0.0	85.4
123.0		0.00	1.45	9.320	15.751	127.371	0.650	0.000	1.00	2.119	1.38	21.7	0.0	84.8
124.0		0.00	1.46	9.342	15.788	126.534	0.650	0.000	1.00	2.103	1.37	21.6	0.0	84.1
124.9	Bot - Section 4	0.00	1.46	9.363	15.824	125.699	0.650	0.000	0.99	2.074	1.35	21.3	0.0	82.9
125.0		0.00	1.46	9.363	15.824	125.694	0.650	0.000	0.01	0.013	0.01	0.1	0.0	0.9
126.0		0.00	1.46	9.385	15.860	124.851	0.650	0.000	1.00	2.112	1.37	21.8	0.0	150.5
127.0		0.00	1.47	9.406	15.896	124.005	0.650	0.000	1.00	2.096	1.36	21.7	0.0	149.4
128.0		0.00	1.47	9.427	15.932	123.155	0.650	0.000	1.00	2.079	1.35	21.5	0.0	148.2
128.6	Top - Section 3	0.00	1.47	9.441	15.956	122.574	0.650	0.000	0.68	1.408	0.91	14.6	0.0	100.3
129.0		0.00	1.47	9.448	15.967	124.834	0.650	0.000	0.32	0.655	0.43	6.8	0.0	21.0
130.0		0.00	1.48	9.469	16.003	123.981	0.650	0.000	1.00	2.047	1.33	21.3	0.0	65.6
131.0	Appertunance(s)	0.00	1.48	9.490	16.038	123.125	0.650	0.000	1.00	2.030	1.32	21.2	0.0	65.1
132.0		0.00	1.48	9.510	16.073	122.266	0.650	0.000	1.00	2.014	1.31	21.0	0.0	64.6
133.0	Appertunance(s)	0.00	1.48	9.531	16.107	121.404	0.650	0.000	1.00	1.998	1.30	20.9	0.0	64.1
134.0		0.00	1.49	9.551	16.142	120.539	0.650	0.000	1.00	1.982	1.29	20.8	0.0	63.5
135.0		0.00	1.49	9.572	16.176	119.671	0.650	0.000	1.00	1.965	1.28	20.7	0.0	63.0
136.0		0.00	1.49	9.592	16.210	118.800	0.650	0.000	1.00	1.949	1.27	20.5	0.0	62.5
137.0	Appertunance(s)	0.00	1.50	9.612	16.244	117.926	0.650	0.000	1.00	1.933	1.26	20.4	0.0	61.9
138.0		0.00	1.50	9.632	16.278	117.049	0.650	0.000	1.00	1.916	1.25	20.3	0.0	61.4
139.0		0.00	1.50	9.652	16.312	116.170	0.650	0.000	1.00	1.900	1.24	20.1	0.0	60.9
140.0		0.00	1.51	9.672	16.345	115.288	0.650	0.000	1.00	1.884	1.22	20.0	0.0	60.4
141.0	Appertunance(s)	0.00	1.51	9.691	16.378	114.403	0.650	0.000	1.00	1.868	1.21	19.9	0.0	59.8
142.0		0.00	1.51	9.711	16.411	113.515	0.650	0.000	1.00	1.851	1.20	19.7	0.0	59.3
143.0		0.00	1.52	9.730	16.444	112.624	0.650	0.000	1.00	1.835	1.19	19.6	0.0	58.8
144.0		0.00	1.52	9.750	16.477	111.731	0.650	0.000	1.00	1.819	1.18	19.5	0.0	58.2
145.0		0.00	1.52	9.769	16.510	110.836	0.650	0.000	1.00	1.802	1.17	19.3	0.0	57.7
146.0		0.00	1.52	9.788	16.542	109.937	0.650	0.000	1.00	1.786	1.16	19.2	0.0	57.2
147.0		0.00	1.53	9.807	16.574	109.036	0.650	0.000	1.00	1.770	1.15	19.1	0.0	56.7
147.9	Appertunance(s)	0.00	1.53	9.826	16.606	108.142	0.650	0.000	0.99	1.736	1.13	18.7	0.0	55.6
148.0	Appertunance(s)	0.00	1.53	9.826	16.607	108.133	0.650	0.000	0.01	0.017	0.01	0.2	0.0	0.6
							Totals:		148.00			3,596.2	0.0	29,277.8

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

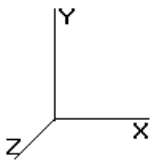


Load Case: Twist/Sway — 50.00 mph Wind with No Ice — 28 Iterations

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

Discrete Appurtenance Segment Forces

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
75.00	PCTEL GPS-TMG-HR-	1	8.092	13.675	0.33	0.03	0.000	0.000	0.41	0.00	0.00	0.60
75.00	Side Arm	1	8.092	13.675	1.00	3.00	0.000	0.000	41.03	0.00	0.00	30.00
100.0	Antel BCD-87010_4°	1	8.908	15.055	1.00	2.90	0.000	5.000	43.66	0.00	218.30	26.50
100.0	Side Arm	1	8.785	14.847	1.00	5.20	0.000	0.000	77.20	0.00	0.00	150.00
110.0	Diamond X50A	2	9.093	15.367	1.00	2.24	0.000	2.800	34.42	0.00	96.38	4.60
110.0	Flat Side Arm	2	9.028	15.257	0.90	11.34	0.000	0.000	173.01	0.00	0.00	300.00
120.0	Alcatel-Lucent 2X50W	3	9.255	15.641	0.50	3.60	0.000	0.000	56.31	0.00	0.00	159.00
120.0	Alcatel-Lucent 4x40W	3	9.255	15.641	0.67	7.70	0.000	0.000	120.41	0.00	0.00	273.00
120.0	Alcatel-LucentTD-RRH	3	9.255	15.641	0.67	9.49	0.000	0.000	148.39	0.00	0.00	198.30
120.0	Flat Low Profile Pla	1	9.255	15.641	1.00	26.10	0.000	0.000	408.22	0.00	0.00	1,500.00
120.0	RFS APXVSPP18-C-	3	9.255	15.641	0.67	16.60	0.000	0.000	259.68	0.00	0.00	171.00
120.0	RFS APXVTM14-C-I20	3	9.255	15.641	0.78	16.15	0.000	0.000	252.54	0.00	0.00	158.70
131.0	48" x 12" Panel	9	9.531	16.107	0.67	33.77	0.000	2.000	543.91	0.00	1,087.82	270.00
131.0	72" x 12" Panel	3	9.531	16.107	0.67	16.88	0.000	2.000	271.95	0.00	543.91	120.00
131.0	Flat Low Profile Pla	1	9.490	16.038	1.00	26.10	0.000	0.000	418.58	0.00	0.00	1,500.00
133.0	KMW KMDAPS2040000	3	9.531	16.107	0.33	1.13	0.000	0.000	18.18	0.00	0.00	47.70
137.0	Argus LLPX310R	3	9.612	16.244	0.62	8.98	0.000	0.000	145.93	0.00	0.00	85.80
137.0	DragonWave A-ANT-	1	9.612	16.244	1.00	8.43	0.000	0.000	136.94	0.00	0.00	47.60
137.0	DragonWave Horizon	1	9.612	16.244	0.33	0.14	0.000	0.000	2.31	0.00	0.00	10.60
137.0	NextNet BTS-2500	3	9.612	16.244	0.33	2.10	0.000	0.000	34.09	0.00	0.00	105.00
137.0	Round Side Arm	1	9.612	16.244	1.00	5.20	0.000	0.000	84.47	0.00	0.00	150.00
141.0	Alcatel-Lucent RRH2x	3	9.730	16.444	0.33	2.49	0.000	2.000	41.03	0.00	82.05	132.00
141.0	Antel BXA-171063/8BF	3	9.730	16.444	0.90	7.83	0.000	2.000	128.76	0.00	257.52	31.50
141.0	Antel BXA-70063/6CF	3	9.730	16.444	0.64	14.86	0.000	2.000	244.38	0.00	488.75	44.70
141.0	Antel BXA-80063-6BF-	1	9.730	16.444	0.78	5.82	0.000	2.000	95.69	0.00	191.37	19.20
141.0	Antel BXA-80080/6CF	2	9.730	16.444	0.65	10.27	0.000	2.000	168.88	0.00	337.77	44.00
141.0	Flat Low Profile Pla	1	9.691	16.378	1.00	26.10	0.000	0.000	427.47	0.00	0.00	1,500.00
141.0	RFS DB-T1-6Z-8AB-0Z	1	9.730	16.444	1.00	5.60	0.000	2.000	92.09	0.00	184.18	44.00
141.0	RFS FD9R6004	6	9.730	16.444	0.33	0.73	0.000	2.000	12.05	0.00	24.09	18.60
141.0	Rymsa MGD3-800T0	3	9.730	16.444	0.69	7.14	0.000	2.000	117.44	0.00	234.87	59.40
147.9	Allgon 7770.00	6	9.901	16.733	0.64	22.58	0.000	4.000	377.82	0.00	1,511.30	210.00
147.9	Ericsson RRUS 11 (Ba	6	9.901	16.733	0.50	8.82	0.000	4.000	147.59	0.00	590.35	330.00
147.9	Flat Platform w/ Han	1	9.826	16.606	1.00	42.40	0.000	0.000	704.10	0.00	0.00	2,000.00
147.9	Powerwave LGP21401	12	9.901	16.733	0.33	5.11	0.000	4.000	85.48	0.00	341.92	169.20
147.9	Powerwave P65-16-	3	9.901	16.733	0.66	16.63	0.000	4.000	278.31	0.00	1,113.23	159.00
147.9	Raycap DC6-48-60-18-	1	9.901	16.733	1.00	1.47	0.000	4.000	24.60	0.00	98.39	31.80
148.0	Andrew ADFD1820-	2	10.048	16.981	0.62	7.53	0.000	12.000	127.81	0.00	1,533.72	44.00
148.0	Andrew E15S09P94	3	10.048	16.981	0.33	0.65	0.000	12.000	11.10	0.00	133.14	43.80
148.0	Andrew TMZXXX-6516-	1	10.048	16.981	0.57	6.55	0.000	12.000	111.21	0.00	1,334.54	35.20
148.0	Pipe	1	9.826	16.607	1.00	6.40	0.000	0.000	106.28	0.00	0.00	200.00
148.0	RFS ATMAP1412D-	3	10.048	16.981	0.33	1.16	0.000	12.000	19.67	0.00	236.02	39.00
									6,593.37			10,463.80

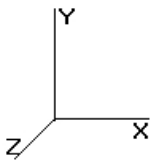


Load Case: Twist/Sway — 50.00 mph Wind with No Ice — 28 Iterations

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

Linear Appurtenance Segment Forces

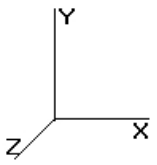
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Weight (lb/ft)	CaAa (sf/ft)	qz (psf)	F X (lb)	Dead Load (lb)
1.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
2.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
3.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
4.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
5.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
6.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
6.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
6.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
6.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
6.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
6.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
6.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
6.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
6.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
7.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
7.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
7.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
7.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
7.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
7.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
7.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
7.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
7.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
8.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
8.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
8.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
8.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
8.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
8.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
8.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
8.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
8.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
9.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
9.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
9.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
9.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
9.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
9.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
9.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
9.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
9.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
10.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
10.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
10.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
10.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
10.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
10.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
10.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
10.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
10.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
11.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92



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

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

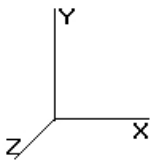
11.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
11.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
11.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
11.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
11.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
11.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
11.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
11.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
12.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
12.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
12.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
12.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
12.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
12.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
12.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
12.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
12.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
13.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
13.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
13.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
13.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
13.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
13.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
13.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
13.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
13.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
14.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
14.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
14.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
14.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
14.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
14.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
14.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
14.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
14.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
15.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
15.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
15.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
15.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
15.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
15.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
15.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
15.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
15.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
16.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
16.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
16.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
16.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
16.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
16.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
16.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
16.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
16.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
17.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
17.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
17.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
17.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67



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

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

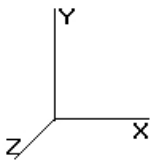
17.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
17.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
17.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
17.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
17.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
18.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
18.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
18.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
18.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
18.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
18.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
18.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
18.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
18.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
19.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
19.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
19.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
19.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
19.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
19.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
19.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
19.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
19.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
20.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
20.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
20.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
20.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
20.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
20.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
20.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
20.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
20.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
21.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
21.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
21.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
21.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
21.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
21.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
21.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
21.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
21.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
22.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
22.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
22.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
22.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
22.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
22.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
22.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
22.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
22.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
23.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
23.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
23.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
23.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
23.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
23.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
23.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00



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

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

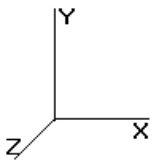
23.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
23.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
24.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
24.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
24.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
24.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
24.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
24.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
24.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
24.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
24.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
25.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
25.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
25.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
25.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
25.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
25.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
25.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
25.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
25.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
26.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
26.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
26.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
26.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
26.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
26.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
26.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
26.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
26.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
27.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
27.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
27.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
27.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
27.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
27.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
27.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
27.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
27.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
28.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
28.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
28.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
28.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
28.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
28.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
28.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
28.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
28.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
29.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
29.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
29.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
29.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
29.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
29.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
29.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
29.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
29.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
30.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92



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

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

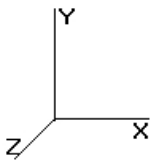
30.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
30.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
30.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
30.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
30.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
30.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
30.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
30.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
31.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
31.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
31.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
31.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
31.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
31.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
31.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
31.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
31.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
32.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
32.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
32.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
32.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
32.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
32.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
32.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
32.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
32.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
33.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.400	2.16	4.92
33.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
33.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.400	2.60	3.65
33.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.400	0.00	5.67
33.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
33.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.400	0.00	3.00
33.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.400	5.41	0.00
33.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.400	0.00	0.33
33.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.400	0.00	0.15
34.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.455	2.18	4.92
34.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.455	0.00	0.15
34.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.455	2.62	3.65
34.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.455	0.00	5.67
34.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.455	0.00	3.00
34.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.455	0.00	3.00
34.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.455	5.45	0.00
34.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.455	0.00	0.33
34.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.455	0.00	0.15
35.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.509	2.20	4.92
35.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.509	0.00	0.15
35.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.509	2.64	3.65
35.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.509	0.00	5.67
35.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.509	0.00	3.00
35.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.509	0.00	3.00
35.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.509	5.50	0.00
35.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.509	0.00	0.33
35.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.509	0.00	0.15
36.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.561	2.22	4.92
36.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.561	0.00	0.15
36.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.561	2.66	3.65
36.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.561	0.00	5.67



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

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

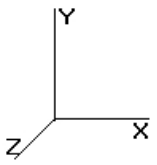
36.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.561	0.00	3.00
36.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.561	0.00	3.00
36.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.561	5.54	0.00
36.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.561	0.00	0.33
36.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.561	0.00	0.15
37.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.613	2.24	4.92
37.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.613	0.00	0.15
37.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.613	2.68	3.65
37.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.613	0.00	5.67
37.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.613	0.00	3.00
37.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.613	0.00	3.00
37.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.613	5.59	0.00
37.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.613	0.00	0.33
37.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.613	0.00	0.15
38.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.663	2.25	4.92
38.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.663	0.00	0.15
38.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.663	2.70	3.65
38.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.663	0.00	5.67
38.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.663	0.00	3.00
38.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.663	0.00	3.00
38.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.663	5.63	0.00
38.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.663	0.00	0.33
38.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.663	0.00	0.15
39.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.713	2.27	4.92
39.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.713	0.00	0.15
39.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.713	2.72	3.65
39.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.713	0.00	5.67
39.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.713	0.00	3.00
39.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.713	0.00	3.00
39.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.713	5.67	0.00
39.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.713	0.00	0.33
39.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.713	0.00	0.15
40.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.762	2.29	4.92
40.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.762	0.00	0.15
40.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.762	2.74	3.65
40.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.762	0.00	5.67
40.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.762	0.00	3.00
40.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.762	0.00	3.00
40.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.762	5.71	0.00
40.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.762	0.00	0.33
40.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.762	0.00	0.15
41.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.809	2.30	4.92
41.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.809	0.00	0.15
41.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.809	2.76	3.65
41.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.809	0.00	5.67
41.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.809	0.00	3.00
41.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.809	0.00	3.00
41.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.809	5.75	0.00
41.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.809	0.00	0.33
41.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.809	0.00	0.15
41.04	(6) 1 5/8" Coax	Yes	0.04	4.92	0.20	6.811	0.08	0.18
41.04	(1) 1/2" Coax	Yes	0.04	0.15	0.00	6.811	0.00	0.01
41.04	(1) 2" Conduit	Yes	0.04	3.65	0.24	6.811	0.10	0.13
41.04	(9) 1 1/4" Coax	Yes	0.04	5.67	0.00	6.811	0.00	0.21
41.04	(3) 1 1/4" Hybriflex	Yes	0.04	3.00	0.00	6.811	0.00	0.11
41.04	(1) 1 1/4" Hybriflex	Yes	0.04	3.00	0.00	6.811	0.00	0.11
41.04	(4) DYWIDAG	Yes	0.04	0.00	0.50	6.811	0.21	0.00



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

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

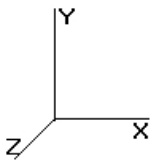
41.04	(1) 7/8" Coax	Yes	0.04	0.33	0.00	6.811	0.00	0.01
41.04	(1) 1/2" Coax	Yes	0.04	0.15	0.00	6.811	0.00	0.01
42.00	(6) 1 5/8" Coax	Yes	0.96	4.92	0.20	6.857	2.23	4.74
42.00	(1) 1/2" Coax	Yes	0.96	0.15	0.00	6.857	0.00	0.14
42.00	(1) 2" Conduit	Yes	0.96	3.65	0.24	6.857	2.68	3.52
42.00	(9) 1 1/4" Coax	Yes	0.96	5.67	0.00	6.857	0.00	5.46
42.00	(3) 1 1/4" Hybriflex	Yes	0.96	3.00	0.00	6.857	0.00	2.89
42.00	(1) 1 1/4" Hybriflex	Yes	0.96	3.00	0.00	6.857	0.00	2.89
42.00	(4) DYWIDAG	Yes	0.96	0.00	0.50	6.857	5.58	0.00
42.00	(1) 7/8" Coax	Yes	0.96	0.33	0.00	6.857	0.00	0.32
42.00	(1) 1/2" Coax	Yes	0.96	0.15	0.00	6.857	0.00	0.14
43.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.903	2.33	4.92
43.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.903	0.00	0.15
43.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.903	2.80	3.65
43.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.903	0.00	5.67
43.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.903	0.00	3.00
43.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.903	0.00	3.00
43.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.903	5.83	0.00
43.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.903	0.00	0.33
43.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.903	0.00	0.15
44.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.948	2.35	4.92
44.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.948	0.00	0.15
44.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.948	2.82	3.65
44.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.948	0.00	5.67
44.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.948	0.00	3.00
44.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.948	0.00	3.00
44.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.948	5.87	0.00
44.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.948	0.00	0.33
44.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.948	0.00	0.15
45.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	6.993	2.36	4.92
45.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.993	0.00	0.15
45.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	6.993	2.84	3.65
45.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	6.993	0.00	5.67
45.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.993	0.00	3.00
45.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	6.993	0.00	3.00
45.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	6.993	5.91	0.00
45.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	6.993	0.00	0.33
45.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	6.993	0.00	0.15
46.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.037	2.38	4.92
46.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.037	0.00	0.15
46.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.037	2.85	3.65
46.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.037	0.00	5.67
46.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.037	0.00	3.00
46.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.037	0.00	3.00
46.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.037	5.95	0.00
46.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.037	0.00	0.33
46.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.037	0.00	0.15
46.63	(6) 1 5/8" Coax	Yes	0.63	4.92	0.20	7.064	1.50	3.10
46.63	(1) 1/2" Coax	Yes	0.63	0.15	0.00	7.064	0.00	0.09
46.63	(1) 2" Conduit	Yes	0.63	3.65	0.24	7.064	1.81	2.30
46.63	(9) 1 1/4" Coax	Yes	0.63	5.67	0.00	7.064	0.00	3.57
46.63	(3) 1 1/4" Hybriflex	Yes	0.63	3.00	0.00	7.064	0.00	1.89
46.63	(1) 1 1/4" Hybriflex	Yes	0.63	3.00	0.00	7.064	0.00	1.89
46.63	(4) DYWIDAG	Yes	0.63	0.00	0.50	7.064	3.76	0.00
46.63	(1) 7/8" Coax	Yes	0.63	0.33	0.00	7.064	0.00	0.21
46.63	(1) 1/2" Coax	Yes	0.63	0.15	0.00	7.064	0.00	0.09
47.00	(6) 1 5/8" Coax	Yes	0.37	4.92	0.20	7.080	0.89	1.82



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

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

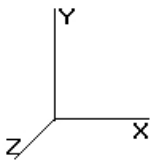
47.00	(1) 1/2" Coax	Yes	0.37	0.15	0.00	7.080	0.00	0.06
47.00	(1) 2" Conduit	Yes	0.37	3.65	0.24	7.080	1.06	1.35
47.00	(9) 1 1/4" Coax	Yes	0.37	5.67	0.00	7.080	0.00	2.10
47.00	(3) 1 1/4" Hybriflex	Yes	0.37	3.00	0.00	7.080	0.00	1.11
47.00	(1) 1 1/4" Hybriflex	Yes	0.37	3.00	0.00	7.080	0.00	1.11
47.00	(4) DYWIDAG	Yes	0.37	0.00	0.50	7.080	2.21	0.00
47.00	(1) 7/8" Coax	Yes	0.37	0.33	0.00	7.080	0.00	0.12
47.00	(1) 1/2" Coax	Yes	0.37	0.15	0.00	7.080	0.00	0.06
48.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.123	2.41	4.92
48.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.123	0.00	0.15
48.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.123	2.89	3.65
48.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.123	0.00	5.67
48.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.123	0.00	3.00
48.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.123	0.00	3.00
48.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.123	6.02	0.00
48.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.123	0.00	0.33
48.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.123	0.00	0.15
49.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.165	2.42	4.92
49.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.165	0.00	0.15
49.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.165	2.91	3.65
49.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.165	0.00	5.67
49.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.165	0.00	3.00
49.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.165	0.00	3.00
49.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.165	6.05	0.00
49.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.165	0.00	0.33
49.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.165	0.00	0.15
50.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.207	2.44	4.92
50.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.207	0.00	0.15
50.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.207	2.92	3.65
50.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.207	0.00	5.67
50.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.207	0.00	3.00
50.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.207	0.00	3.00
50.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.207	6.09	0.00
50.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.207	0.00	0.33
50.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.207	0.00	0.15
51.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.248	2.45	4.92
51.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.248	0.00	0.15
51.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.248	2.94	3.65
51.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.248	0.00	5.67
51.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.248	0.00	3.00
51.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.248	0.00	3.00
51.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.248	6.12	0.00
51.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.248	0.00	0.33
51.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.248	0.00	0.15
52.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.288	2.46	4.92
52.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.288	0.00	0.15
52.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.288	2.96	3.65
52.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.288	0.00	5.67
52.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.288	0.00	3.00
52.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.288	0.00	3.00
52.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.288	6.16	0.00
52.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.288	0.00	0.33
52.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.288	0.00	0.15
53.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.328	2.48	4.92
53.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.328	0.00	0.15
53.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.328	2.97	3.65
53.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.328	0.00	5.67



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

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

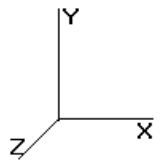
53.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.328	0.00	3.00
53.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.328	0.00	3.00
53.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.328	6.19	0.00
53.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.328	0.00	0.33
53.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.328	0.00	0.15
54.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.367	2.49	4.92
54.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.367	0.00	0.15
54.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.367	2.99	3.65
54.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.367	0.00	5.67
54.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.367	0.00	3.00
54.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.367	0.00	3.00
54.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.367	6.23	0.00
54.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.367	0.00	0.33
54.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.367	0.00	0.15
55.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.406	2.50	4.92
55.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.406	0.00	0.15
55.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.406	3.00	3.65
55.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.406	0.00	5.67
55.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.406	0.00	3.00
55.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.406	0.00	3.00
55.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.406	6.26	0.00
55.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.406	0.00	0.33
55.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.406	0.00	0.15
56.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.444	2.52	4.92
56.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.444	0.00	0.15
56.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.444	3.02	3.65
56.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.444	0.00	5.67
56.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.444	0.00	3.00
56.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.444	0.00	3.00
56.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.444	6.29	0.00
56.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.444	0.00	0.33
56.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.444	0.00	0.15
57.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.482	2.53	4.92
57.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.482	0.00	0.15
57.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.482	3.03	3.65
57.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.482	0.00	5.67
57.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.482	0.00	3.00
57.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.482	0.00	3.00
57.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.482	6.32	0.00
57.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.482	0.00	0.33
57.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.482	0.00	0.15
58.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.519	2.54	4.92
58.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.519	0.00	0.15
58.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.519	3.05	3.65
58.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.519	0.00	5.67
58.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.519	0.00	3.00
58.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.519	0.00	3.00
58.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.519	6.35	0.00
58.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.519	0.00	0.33
58.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.519	0.00	0.15
59.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.556	2.55	4.92
59.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.556	0.00	0.15
59.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.556	3.06	3.65
59.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.556	0.00	5.67
59.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.556	0.00	3.00
59.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.556	0.00	3.00
59.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.556	6.38	0.00



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

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

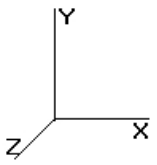
59.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.556	0.00	0.33
59.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.556	0.00	0.15
60.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.592	2.57	4.92
60.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.592	0.00	0.15
60.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.592	3.08	3.65
60.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.592	0.00	5.67
60.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.592	0.00	3.00
60.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.592	0.00	3.00
60.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.592	6.42	0.00
60.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.592	0.00	0.33
60.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.592	0.00	0.15
61.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.628	2.58	4.92
61.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.628	0.00	0.15
61.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.628	3.09	3.65
61.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.628	0.00	5.67
61.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.628	0.00	3.00
61.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.628	0.00	3.00
61.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.628	6.45	0.00
61.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.628	0.00	0.33
61.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.628	0.00	0.15
62.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.664	2.59	4.92
62.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.664	0.00	0.15
62.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.664	3.11	3.65
62.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.664	0.00	5.67
62.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.664	0.00	3.00
62.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.664	0.00	3.00
62.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.664	6.48	0.00
62.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.664	0.00	0.33
62.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.664	0.00	0.15
63.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.699	2.60	4.92
63.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.699	0.00	0.15
63.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.699	3.12	3.65
63.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.699	0.00	5.67
63.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.699	0.00	3.00
63.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.699	0.00	3.00
63.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.699	6.51	0.00
63.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.699	0.00	0.33
63.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.699	0.00	0.15
64.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.733	2.61	4.92
64.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.733	0.00	0.15
64.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.733	3.14	3.65
64.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.733	0.00	5.67
64.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.733	0.00	3.00
64.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.733	0.00	3.00
64.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.733	6.53	0.00
64.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.733	0.00	0.33
64.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.733	0.00	0.15
65.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.768	2.63	4.92
65.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.768	0.00	0.15
65.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.768	3.15	3.65
65.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.768	0.00	5.67
65.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.768	0.00	3.00
65.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.768	0.00	3.00
65.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.768	6.56	0.00
65.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.768	0.00	0.33
65.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.768	0.00	0.15
66.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.802	2.64	4.92



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

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

66.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.802	0.00	0.15
66.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.802	3.16	3.65
66.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.802	0.00	5.67
66.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.802	0.00	3.00
66.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.802	0.00	3.00
66.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.802	6.59	0.00
66.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.802	0.00	0.33
66.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.802	0.00	0.15
67.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.835	2.65	4.92
67.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.835	0.00	0.15
67.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.835	3.18	3.65
67.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.835	0.00	5.67
67.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.835	0.00	3.00
67.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.835	0.00	3.00
67.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.835	6.62	0.00
67.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.835	0.00	0.33
67.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.835	0.00	0.15
68.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.869	2.66	4.92
68.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.869	0.00	0.15
68.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.869	3.19	3.65
68.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.869	0.00	5.67
68.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.869	0.00	3.00
68.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.869	0.00	3.00
68.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.869	6.65	0.00
68.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.869	0.00	0.33
68.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.869	0.00	0.15
69.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.901	2.67	4.92
69.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.901	0.00	0.15
69.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.901	3.20	3.65
69.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.901	0.00	5.67
69.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.901	0.00	3.00
69.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.901	0.00	3.00
69.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.901	6.68	0.00
69.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.901	0.00	0.33
69.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.901	0.00	0.15
70.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.934	2.68	4.92
70.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.934	0.00	0.15
70.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.934	3.22	3.65
70.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.934	0.00	5.67
70.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.934	0.00	3.00
70.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.934	0.00	3.00
70.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.934	6.70	0.00
70.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.934	0.00	0.33
70.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.934	0.00	0.15
71.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.966	2.69	4.92
71.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.966	0.00	0.15
71.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.966	3.23	3.65
71.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.966	0.00	5.67
71.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.966	0.00	3.00
71.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.966	0.00	3.00
71.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.966	6.73	0.00
71.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.966	0.00	0.33
71.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.966	0.00	0.15
72.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	7.998	2.70	4.92
72.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.998	0.00	0.15
72.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	7.998	3.24	3.65
72.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	7.998	0.00	5.67

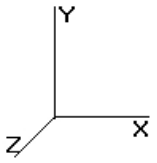


Load Case: Twist/Sway — 50.00 mph Wind with No Ice — 28 Iterations

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

72.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.998	0.00	3.00
72.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	7.998	0.00	3.00
72.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	7.998	6.76	0.00
72.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	7.998	0.00	0.33
72.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	7.998	0.00	0.15
73.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.030	2.71	4.92
73.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.030	0.00	0.15
73.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.030	3.26	3.65
73.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.030	0.00	5.67
73.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.030	0.00	3.00
73.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.030	0.00	3.00
73.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.030	6.79	0.00
73.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.030	0.00	0.33
73.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.030	0.00	0.15
74.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.061	2.72	4.92
74.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.061	0.00	0.15
74.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.061	3.27	3.65
74.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.061	0.00	5.67
74.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.061	0.00	3.00
74.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.061	0.00	3.00
74.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.061	6.81	0.00
74.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.061	0.00	0.33
74.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.061	0.00	0.15
75.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.092	2.74	4.92
75.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.092	0.00	0.15
75.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.092	3.28	3.65
75.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.092	0.00	5.67
75.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.092	0.00	3.00
75.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.092	0.00	3.00
75.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.092	6.84	0.00
75.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.092	0.00	0.33
75.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.092	0.00	0.15
76.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.123	2.75	4.92
76.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.123	0.00	0.15
76.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.123	3.29	3.65
76.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.123	0.00	5.67
76.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.123	0.00	3.00
76.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.123	0.00	3.00
76.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.123	6.86	0.00
76.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.123	0.00	0.33
77.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.153	2.76	4.92
77.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.153	0.00	0.15
77.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.153	3.31	3.65
77.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.153	0.00	5.67
77.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.153	0.00	3.00
77.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.153	0.00	3.00
77.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.153	6.89	0.00
77.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.153	0.00	0.33
78.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.183	2.77	4.92
78.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.183	0.00	0.15
78.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.183	3.32	3.65
78.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.183	0.00	5.67
78.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.183	0.00	3.00
78.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.183	0.00	3.00
78.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.183	6.91	0.00
78.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.183	0.00	0.33
79.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.213	2.78	4.92

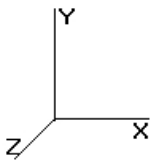
Pole :	**302515**		**Code: TIA/EIA-222 Rev F**				**12/5/2013 11:40:47 AM**	
Location :	**SMFR - North, CT**						**Page: 88**	
Height :	**148.00 (ft)**							
Base Dia :	**48.000 (in)**							
Top Dia :	**20.944 (in)**		**Base Elev : 0.000 (ft)**					
Shape :	**18 Sides**							
Taper :	**0.195479 (in/ft)**							



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

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

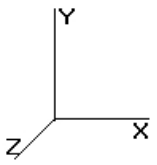
79.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.213	0.00	0.15
79.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.213	3.33	3.65
79.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.213	0.00	5.67
79.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.213	0.00	3.00
79.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.213	0.00	3.00
79.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.213	6.94	0.00
79.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.213	0.00	0.33
80.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.242	2.79	4.92
80.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.242	0.00	0.15
80.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.242	3.34	3.65
80.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.242	0.00	5.67
80.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.242	0.00	3.00
80.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.242	0.00	3.00
80.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.242	6.96	0.00
80.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.242	0.00	0.33
81.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.272	2.80	4.92
81.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.272	0.00	0.15
81.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.272	3.36	3.65
81.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.272	0.00	5.67
81.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.272	0.00	3.00
81.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.272	0.00	3.00
81.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.272	6.99	0.00
81.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.272	0.00	0.33
81.49	(6) 1 5/8" Coax	Yes	0.49	4.92	0.20	8.286	1.38	2.42
81.49	(1) 1/2" Coax	Yes	0.49	0.15	0.00	8.286	0.00	0.07
81.49	(1) 2" Conduit	Yes	0.49	3.65	0.24	8.286	1.65	1.79
81.49	(9) 1 1/4" Coax	Yes	0.49	5.67	0.00	8.286	0.00	2.79
81.49	(3) 1 1/4" Hybriflex	Yes	0.49	3.00	0.00	8.286	0.00	1.47
81.49	(1) 1 1/4" Hybriflex	Yes	0.49	3.00	0.00	8.286	0.00	1.47
81.49	(4) DYWIDAG	Yes	0.49	0.00	0.50	8.286	3.44	0.00
81.49	(1) 7/8" Coax	Yes	0.49	0.33	0.00	8.286	0.00	0.16
82.00	(6) 1 5/8" Coax	Yes	0.51	4.92	0.20	8.301	1.43	2.50
82.00	(1) 1/2" Coax	Yes	0.51	0.15	0.00	8.301	0.00	0.08
82.00	(1) 2" Conduit	Yes	0.51	3.65	0.24	8.301	1.71	1.86
82.00	(9) 1 1/4" Coax	Yes	0.51	5.67	0.00	8.301	0.00	2.88
82.00	(3) 1 1/4" Hybriflex	Yes	0.51	3.00	0.00	8.301	0.00	1.53
82.00	(1) 1 1/4" Hybriflex	Yes	0.51	3.00	0.00	8.301	0.00	1.53
82.00	(4) DYWIDAG	Yes	0.51	0.00	0.50	8.301	3.57	0.00
82.00	(1) 7/8" Coax	Yes	0.51	0.33	0.00	8.301	0.00	0.17
83.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.330	2.82	4.92
83.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.330	0.00	0.15
83.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.330	3.38	3.65
83.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.330	0.00	5.67
83.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.330	0.00	3.00
83.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.330	0.00	3.00
83.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.330	7.04	0.00
83.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.330	0.00	0.33
84.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.358	2.83	4.92
84.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.358	0.00	0.15
84.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.358	3.39	3.65
84.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.358	0.00	5.67
84.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.358	0.00	3.00
84.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.358	0.00	3.00
84.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.358	7.06	0.00
84.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.358	0.00	0.33
85.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.387	2.83	4.92
85.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.387	0.00	0.15



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

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

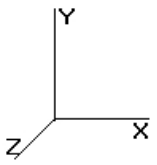
85.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.387	3.40	3.65
85.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.387	0.00	5.67
85.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.387	0.00	3.00
85.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.387	0.00	3.00
85.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.387	7.09	0.00
85.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.387	0.00	0.33
86.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.415	2.84	4.92
86.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.415	0.00	0.15
86.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.415	3.41	3.65
86.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.415	0.00	5.67
86.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.415	0.00	3.00
86.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.415	0.00	3.00
86.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.415	7.11	0.00
86.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.415	0.00	0.33
86.18	(6) 1 5/8" Coax	Yes	0.18	4.92	0.20	8.420	0.50	0.87
86.18	(1) 1/2" Coax	Yes	0.18	0.15	0.00	8.420	0.00	0.03
86.18	(1) 2" Conduit	Yes	0.18	3.65	0.24	8.420	0.60	0.64
86.18	(9) 1 1/4" Coax	Yes	0.18	5.67	0.00	8.420	0.00	1.00
86.18	(3) 1 1/4" Hybriflex	Yes	0.18	3.00	0.00	8.420	0.00	0.53
86.18	(1) 1 1/4" Hybriflex	Yes	0.18	3.00	0.00	8.420	0.00	0.53
86.18	(4) DYWIDAG	Yes	0.18	0.00	0.50	8.420	1.25	0.00
86.18	(1) 7/8" Coax	Yes	0.18	0.33	0.00	8.420	0.00	0.06
87.00	(6) 1 5/8" Coax	Yes	0.82	4.92	0.20	8.442	2.35	4.05
87.00	(1) 1/2" Coax	Yes	0.82	0.15	0.00	8.442	0.00	0.12
87.00	(1) 2" Conduit	Yes	0.82	3.65	0.24	8.442	2.82	3.01
87.00	(9) 1 1/4" Coax	Yes	0.82	5.67	0.00	8.442	0.00	4.67
87.00	(3) 1 1/4" Hybriflex	Yes	0.82	3.00	0.00	8.442	0.00	2.47
87.00	(1) 1 1/4" Hybriflex	Yes	0.82	3.00	0.00	8.442	0.00	2.47
87.00	(4) DYWIDAG	Yes	0.82	0.00	0.50	8.442	5.88	0.00
87.00	(1) 7/8" Coax	Yes	0.82	0.33	0.00	8.442	0.00	0.27
88.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.470	2.86	4.92
88.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.470	0.00	0.15
88.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.470	3.44	3.65
88.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.470	0.00	5.67
88.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.470	0.00	3.00
88.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.470	0.00	3.00
88.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.470	7.16	0.00
88.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.470	0.00	0.33
89.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.497	2.87	4.92
89.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.497	0.00	0.15
89.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.497	3.45	3.65
89.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.497	0.00	5.67
89.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.497	0.00	3.00
89.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.497	0.00	3.00
89.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.497	7.18	0.00
89.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.497	0.00	0.33
90.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.525	2.88	4.92
90.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.525	0.00	0.15
90.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.525	3.46	3.65
90.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.525	0.00	5.67
90.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.525	0.00	3.00
90.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.525	0.00	3.00
90.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.525	7.20	0.00
90.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.525	0.00	0.33
91.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.552	2.89	4.92
91.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.552	0.00	0.15
91.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.552	3.47	3.65



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

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

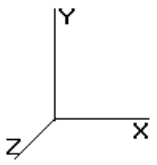
91.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.552	0.00	5.67
91.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.552	0.00	3.00
91.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.552	0.00	3.00
91.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.552	7.23	0.00
91.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.552	0.00	0.33
92.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.578	2.90	4.92
92.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.578	0.00	0.15
92.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.578	3.48	3.65
92.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.578	0.00	5.67
92.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.578	0.00	3.00
92.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.578	0.00	3.00
92.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.578	7.25	0.00
92.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.578	0.00	0.33
93.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.605	2.91	4.92
93.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.605	0.00	0.15
93.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.605	3.49	3.65
93.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.605	0.00	5.67
93.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.605	0.00	3.00
93.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.605	0.00	3.00
93.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.605	7.27	0.00
93.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.605	0.00	0.33
94.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.631	2.92	4.92
94.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.631	0.00	0.15
94.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.631	3.50	3.65
94.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.631	0.00	5.67
94.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.631	0.00	3.00
94.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.631	0.00	3.00
94.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.631	7.29	0.00
94.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.631	0.00	0.33
95.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.657	2.93	4.92
95.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.657	0.00	0.15
95.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.657	3.51	3.65
95.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.657	0.00	5.67
95.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.657	0.00	3.00
95.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.657	0.00	3.00
95.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.657	7.32	0.00
95.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.657	0.00	0.33
96.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.683	2.93	4.92
96.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.683	0.00	0.15
96.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.683	3.52	3.65
96.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.683	0.00	5.67
96.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.683	0.00	3.00
96.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.683	0.00	3.00
96.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.683	7.34	0.00
96.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.683	0.00	0.33
97.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.709	2.94	4.92
97.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.709	0.00	0.15
97.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.709	3.53	3.65
97.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.709	0.00	5.67
97.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.709	0.00	3.00
97.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.709	0.00	3.00
97.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.709	7.36	0.00
97.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.709	0.00	0.33
98.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.735	2.95	4.92
98.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.735	0.00	0.15
98.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.735	3.54	3.65
98.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.735	0.00	5.67



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

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

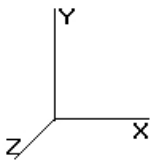
98.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.735	0.00	3.00
98.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.735	0.00	3.00
98.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.735	7.38	0.00
98.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.735	0.00	0.33
99.00	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.760	2.96	4.92
99.00	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.760	0.00	0.15
99.00	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.760	3.55	3.65
99.00	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.760	0.00	5.67
99.00	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.760	0.00	3.00
99.00	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.760	0.00	3.00
99.00	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.760	7.40	0.00
99.00	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.760	0.00	0.33
100.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.785	2.97	4.92
100.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.785	0.00	0.15
100.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.785	3.56	3.65
100.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.785	0.00	5.67
100.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.785	0.00	3.00
100.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.785	0.00	3.00
100.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.785	7.42	0.00
100.0	(1) 7/8" Coax	Yes	1.00	0.33	0.00	8.785	0.00	0.33
101.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.810	2.98	4.92
101.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.810	0.00	0.15
101.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.810	3.57	3.65
101.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.810	0.00	5.67
101.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.810	0.00	3.00
101.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.810	0.00	3.00
101.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.810	7.44	0.00
102.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.835	2.99	4.92
102.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.835	0.00	0.15
102.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.835	3.58	3.65
102.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.835	0.00	5.67
102.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.835	0.00	3.00
102.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.835	0.00	3.00
102.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.835	7.47	0.00
103.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.860	2.99	4.92
103.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.860	0.00	0.15
103.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.860	3.59	3.65
103.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.860	0.00	5.67
103.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.860	0.00	3.00
103.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.860	0.00	3.00
103.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.860	7.49	0.00
104.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.884	3.00	4.92
104.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.884	0.00	0.15
104.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.884	3.60	3.65
104.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.884	0.00	5.67
104.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.884	0.00	3.00
104.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.884	0.00	3.00
104.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.884	7.51	0.00
105.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.908	3.01	4.92
105.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.908	0.00	0.15
105.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.908	3.61	3.65
105.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.908	0.00	5.67
105.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.908	0.00	3.00
105.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.908	0.00	3.00
105.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.908	7.53	0.00
106.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.933	3.02	4.92
106.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.933	0.00	0.15



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

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

106.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.933	3.62	3.65
106.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.933	0.00	5.67
106.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.933	0.00	3.00
106.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.933	0.00	3.00
106.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.933	7.55	0.00
107.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.957	3.03	4.92
107.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.957	0.00	0.15
107.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.957	3.63	3.65
107.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.957	0.00	5.67
107.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.957	0.00	3.00
107.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.957	0.00	3.00
107.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.957	7.57	0.00
108.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	8.980	3.04	4.92
108.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	8.980	0.00	0.15
108.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	8.980	3.64	3.65
108.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	8.980	0.00	5.67
108.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.980	0.00	3.00
108.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	8.980	0.00	3.00
108.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	8.980	7.59	0.00
108.7	(6) 1 5/8" Coax	Yes	0.75	4.92	0.20	8.998	2.28	3.69
108.7	(1) 1/2" Coax	Yes	0.75	0.15	0.00	8.998	0.00	0.11
108.7	(1) 2" Conduit	Yes	0.75	3.65	0.24	8.998	2.74	2.74
108.7	(9) 1 1/4" Coax	Yes	0.75	5.67	0.00	8.998	0.00	4.25
108.7	(3) 1 1/4" Hybriflex	Yes	0.75	3.00	0.00	8.998	0.00	2.25
108.7	(1) 1 1/4" Hybriflex	Yes	0.75	3.00	0.00	8.998	0.00	2.25
108.7	(4) DYWIDAG	Yes	0.75	0.00	0.50	8.998	5.70	0.00
109.0	(6) 1 5/8" Coax	Yes	0.25	4.92	0.20	9.004	0.76	1.23
109.0	(1) 1/2" Coax	Yes	0.25	0.15	0.00	9.004	0.00	0.04
109.0	(1) 2" Conduit	Yes	0.25	3.65	0.24	9.004	0.91	0.91
109.0	(9) 1 1/4" Coax	Yes	0.25	5.67	0.00	9.004	0.00	1.42
109.0	(3) 1 1/4" Hybriflex	Yes	0.25	3.00	0.00	9.004	0.00	0.75
109.0	(1) 1 1/4" Hybriflex	Yes	0.25	3.00	0.00	9.004	0.00	0.75
109.0	(4) DYWIDAG	Yes	0.25	0.00	0.50	9.004	1.90	0.00
110.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.028	3.05	4.92
110.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.028	0.00	0.15
110.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.028	3.66	3.65
110.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.028	0.00	5.67
110.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.028	0.00	3.00
110.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.028	0.00	3.00
110.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	9.028	7.63	0.00
111.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.051	3.06	4.92
111.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.051	0.00	0.15
111.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.051	3.67	3.65
111.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.051	0.00	5.67
111.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.051	0.00	3.00
111.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.051	0.00	3.00
111.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	9.051	7.65	0.00
112.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.074	3.07	4.92
112.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.074	0.00	0.15
112.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.074	3.68	3.65
112.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.074	0.00	5.67
112.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.074	0.00	3.00
112.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.074	0.00	3.00
112.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	9.074	7.67	0.00
113.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.097	3.07	4.92
113.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.097	0.00	0.15
113.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.097	3.69	3.65

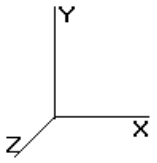


Load Case: Twist/Sway — 50.00 mph Wind with No Ice — 28 Iterations

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

113.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.097	0.00	5.67
113.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.097	0.00	3.00
113.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.097	0.00	3.00
113.0	(4) DYWIDAG	Yes	1.00	0.00	0.50	9.097	7.69	0.00
114.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.120	3.08	4.92
114.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.120	0.00	0.15
114.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.120	3.70	3.65
114.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.120	0.00	5.67
114.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.120	0.00	3.00
114.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.120	0.00	3.00
114.0	(4) DYWIDAG	Yes	0.25	0.00	0.50	9.120	1.93	0.00
115.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.143	3.09	4.92
115.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.143	0.00	0.15
115.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.143	3.71	3.65
115.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.143	0.00	5.67
115.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.143	0.00	3.00
115.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.143	0.00	3.00
116.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.166	3.10	4.92
116.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.166	0.00	0.15
116.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.166	3.72	3.65
116.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.166	0.00	5.67
116.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.166	0.00	3.00
116.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.166	0.00	3.00
117.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.188	3.11	4.92
117.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.188	0.00	0.15
117.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.188	3.73	3.65
117.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.188	0.00	5.67
117.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.188	0.00	3.00
117.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.188	0.00	3.00
118.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.211	3.11	4.92
118.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.211	0.00	0.15
118.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.211	3.74	3.65
118.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.211	0.00	5.67
118.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.211	0.00	3.00
118.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.211	0.00	3.00
119.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.233	3.12	4.92
119.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.233	0.00	0.15
119.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.233	3.74	3.65
119.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.233	0.00	5.67
119.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.233	0.00	3.00
119.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.233	0.00	3.00
120.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.255	3.13	4.92
120.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.255	0.00	0.15
120.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.255	3.75	3.65
120.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.255	0.00	5.67
120.0	(3) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.255	0.00	3.00
120.0	(1) 1 1/4" Hybriflex	Yes	1.00	3.00	0.00	9.255	0.00	3.00
121.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.277	3.14	4.92
121.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.277	0.00	0.15
121.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.277	3.76	3.65
121.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.277	0.00	5.67
122.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.299	3.14	4.92
122.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.299	0.00	0.15
122.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.299	3.77	3.65
122.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.299	0.00	5.67
123.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.320	3.15	4.92
123.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.320	0.00	0.15

Pole :	**302515**		**Code: TIA/EIA-222 Rev F**				**12/5/2013 11:40:48 AM**	
Location :	**SMFR - North, CT**						**Page: 94**	
Height :	**148.00 (ft)**							
Base Dia :	**48.000 (in)**							
Top Dia :	**20.944 (in)**		**Base Elev : 0.000 (ft)**					
Shape :	**18 Sides**							
Taper :	**0.195479 (in/ft)**							

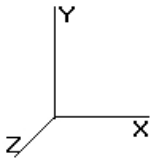


Load Case: Twist/Sway — **50.00 mph Wind with No Ice** — **28 Iterations**

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

123.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.320	3.78	3.65
123.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.320	0.00	5.67
124.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.342	3.16	4.92
124.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.342	0.00	0.15
124.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.342	3.79	3.65
124.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.342	0.00	5.67
124.9	(6) 1 5/8" Coax	Yes	0.99	4.92	0.20	9.363	3.15	4.89
124.9	(1) 1/2" Coax	Yes	0.99	0.15	0.00	9.363	0.00	0.15
124.9	(1) 2" Conduit	Yes	0.99	3.65	0.24	9.363	3.77	3.63
124.9	(9) 1 1/4" Coax	Yes	0.99	5.67	0.00	9.363	0.00	5.64
125.0	(6) 1 5/8" Coax	Yes	0.01	4.92	0.20	9.363	0.02	0.03
125.0	(1) 1/2" Coax	Yes	0.01	0.15	0.00	9.363	0.00	0.00
125.0	(1) 2" Conduit	Yes	0.01	3.65	0.24	9.363	0.02	0.02
125.0	(9) 1 1/4" Coax	Yes	0.01	5.67	0.00	9.363	0.00	0.03
126.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.385	3.17	4.92
126.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.385	0.00	0.15
126.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.385	3.81	3.65
126.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.385	0.00	5.67
127.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.406	3.18	4.92
127.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.406	0.00	0.15
127.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.406	3.82	3.65
127.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.406	0.00	5.67
128.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.427	3.19	4.92
128.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.427	0.00	0.15
128.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.427	3.82	3.65
128.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.427	0.00	5.67
128.6	(6) 1 5/8" Coax	Yes	0.68	4.92	0.20	9.441	2.17	3.35
128.6	(1) 1/2" Coax	Yes	0.68	0.15	0.00	9.441	0.00	0.10
128.6	(1) 2" Conduit	Yes	0.68	3.65	0.24	9.441	2.61	2.49
128.6	(9) 1 1/4" Coax	Yes	0.68	5.67	0.00	9.441	0.00	3.86
129.0	(6) 1 5/8" Coax	Yes	0.32	4.92	0.20	9.448	1.02	1.57
129.0	(1) 1/2" Coax	Yes	0.32	0.15	0.00	9.448	0.00	0.05
129.0	(1) 2" Conduit	Yes	0.32	3.65	0.24	9.448	1.22	1.16
129.0	(9) 1 1/4" Coax	Yes	0.32	5.67	0.00	9.448	0.00	1.81
130.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.469	3.20	4.92
130.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.469	0.00	0.15
130.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.469	3.84	3.65
130.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.469	0.00	5.67
131.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.490	3.21	4.92
131.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.490	0.00	0.15
131.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.490	3.85	3.65
131.0	(9) 1 1/4" Coax	Yes	1.00	5.67	0.00	9.490	0.00	5.67
132.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.510	3.21	4.92
132.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.510	0.00	0.15
132.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.510	3.86	3.65
133.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.531	3.22	4.92
133.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.531	0.00	0.15
133.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.531	3.87	3.65
134.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.551	3.23	4.92
134.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.551	0.00	0.15
134.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.551	3.87	3.65
135.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.572	3.24	4.92
135.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.572	0.00	0.15
135.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.572	3.88	3.65
136.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.592	3.24	4.92
136.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.592	0.00	0.15
136.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.592	3.89	3.65

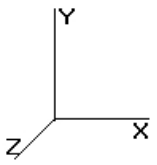
Pole :	**302515**	**Code: TIA/EIA-222 Rev F**	**12/5/2013 11:40:48 AM**
Location :	**SMFR - North, CT**		**Page: 95**
Height :	**148.00 (ft)**		
Base Dia :	**48.000 (in)**		
Top Dia :	**20.944 (in)**	**Base Elev : 0.000 (ft)**	
Shape :	**18 Sides**		
Taper :	**0.195479 (in/ft)**		



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

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

137.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.612		3.25	4.92
137.0	(1) 1/2" Coax	Yes	1.00	0.15	0.00	9.612		0.00	0.15
137.0	(1) 2" Conduit	Yes	1.00	3.65	0.24	9.612		3.90	3.65
138.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.632		3.26	4.92
139.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.652		3.26	4.92
140.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.672		3.27	4.92
141.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.691		3.28	4.92
142.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.711		3.28	4.92
143.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.730		3.29	4.92
144.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.750		3.30	4.92
145.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.769		3.30	4.92
146.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.788		3.31	4.92
147.0	(6) 1 5/8" Coax	Yes	1.00	4.92	0.20	9.807		3.31	4.92
147.9	(6) 1 5/8" Coax	Yes	0.99	4.92	0.20	9.826		3.29	4.87
148.0	(6) 1 5/8" Coax	Yes	0.01	4.92	0.20	9.826		0.03	0.05
							Totals:	**1,528.37**	**2,651.43**

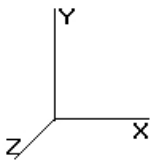


Load Case: Twist/Sway — 50.00 mph Wind with No Ice — 28 Iterations

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

Applied Segment Forces Summary

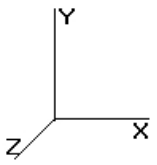
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	33.47	291.07	0.00	0.00
2.00	33.36	290.15	0.00	0.00
3.00	33.24	289.22	0.00	0.00
4.00	33.13	288.30	0.00	0.00
5.00	33.01	287.38	0.00	0.00
6.00	37.66	340.11	0.00	0.00
7.00	37.54	339.19	0.00	0.00
8.00	37.43	338.26	0.00	0.00
9.00	37.32	337.34	0.00	0.00
10.00	37.20	336.42	0.00	0.00
11.00	37.09	335.49	0.00	0.00
12.00	36.97	334.57	0.00	0.00
13.00	36.86	333.65	0.00	0.00
14.00	36.74	332.72	0.00	0.00
15.00	36.63	331.80	0.00	0.00
16.00	36.51	330.88	0.00	0.00
17.00	36.40	329.95	0.00	0.00
18.00	36.28	329.03	0.00	0.00
19.00	36.17	328.10	0.00	0.00
20.00	36.06	327.18	0.00	0.00
21.00	35.94	326.26	0.00	0.00
22.00	35.83	325.33	0.00	0.00
23.00	35.71	324.41	0.00	0.00
24.00	35.60	323.49	0.00	0.00
25.00	35.48	322.56	0.00	0.00
26.00	35.37	321.64	0.00	0.00
27.00	35.25	320.72	0.00	0.00
28.00	35.14	319.79	0.00	0.00
29.00	35.02	318.87	0.00	0.00
30.00	34.91	317.94	0.00	0.00
31.00	34.80	317.02	0.00	0.00
32.00	34.68	316.10	0.00	0.00
33.00	34.57	315.17	0.00	0.00
34.00	34.75	314.25	0.00	0.00
35.00	34.92	313.33	0.00	0.00
36.00	35.08	312.40	0.00	0.00
37.00	35.24	311.48	0.00	0.00
38.00	35.39	310.56	0.00	0.00
39.00	35.54	309.63	0.00	0.00
40.00	35.67	308.71	0.00	0.00
41.00	35.80	307.78	0.00	0.00
41.04	1.30	11.14	0.00	0.00
42.00	35.08	452.86	0.00	0.00
43.00	36.52	468.21	0.00	0.00
44.00	36.64	466.49	0.00	0.00
45.00	36.75	464.78	0.00	0.00
46.00	36.85	463.06	0.00	0.00
46.63	23.24	290.85	0.00	0.00
47.00	13.66	103.35	0.00	0.00



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

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

48.00	37.05	278.77	0.00	0.00
49.00	37.14	277.98	0.00	0.00
50.00	37.23	277.19	0.00	0.00
51.00	37.31	276.40	0.00	0.00
52.00	37.38	275.61	0.00	0.00
53.00	37.46	274.81	0.00	0.00
54.00	37.53	274.02	0.00	0.00
55.00	37.59	273.23	0.00	0.00
56.00	37.65	272.44	0.00	0.00
57.00	37.71	271.65	0.00	0.00
58.00	37.76	270.86	0.00	0.00
59.00	37.81	270.06	0.00	0.00
60.00	37.86	269.27	0.00	0.00
61.00	37.90	268.48	0.00	0.00
62.00	37.94	267.69	0.00	0.00
63.00	37.98	266.90	0.00	0.00
64.00	38.01	266.11	0.00	0.00
65.00	38.04	265.31	0.00	0.00
66.00	38.07	264.52	0.00	0.00
67.00	38.09	263.73	0.00	0.00
68.00	38.11	262.94	0.00	0.00
69.00	38.13	262.15	0.00	0.00
70.00	38.14	261.36	0.00	0.00
71.00	38.16	260.56	0.00	0.00
72.00	38.17	259.77	0.00	0.00
73.00	38.17	258.98	0.00	0.00
74.00	38.18	258.19	0.00	0.00
75.00	79.61	288.00	0.00	0.00
76.00	38.18	256.45	0.00	0.00
77.00	38.17	255.66	0.00	0.00
78.00	38.17	254.87	0.00	0.00
79.00	38.16	254.08	0.00	0.00
80.00	38.15	253.29	0.00	0.00
81.00	38.14	252.50	0.00	0.00
81.49	18.72	123.80	0.00	0.00
82.00	19.61	184.69	0.00	0.00
83.00	38.58	362.07	0.00	0.00
84.00	38.57	360.62	0.00	0.00
85.00	38.55	359.17	0.00	0.00
86.00	38.53	357.72	0.00	0.00
86.18	6.78	62.90	0.00	0.00
87.00	31.71	188.45	0.00	0.00
88.00	38.48	228.17	0.00	0.00
89.00	38.45	227.51	0.00	0.00
90.00	38.42	226.85	0.00	0.00
91.00	38.39	226.19	0.00	0.00
92.00	38.35	225.53	0.00	0.00
93.00	38.32	224.87	0.00	0.00
94.00	38.28	224.21	0.00	0.00
95.00	38.24	223.55	0.00	0.00
96.00	38.20	222.89	0.00	0.00
97.00	38.16	222.23	0.00	0.00
98.00	38.12	221.57	0.00	0.00
99.00	38.07	220.91	0.00	0.00
100.0	158.89	396.75	0.00	218.30
101.0	37.97	219.26	0.00	0.00
102.0	37.92	218.60	0.00	0.00



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

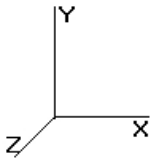
Gust Response Factor 1.69
Dead Load Factor : 1.00
Wind Load Factor : 1.00

103.0		37.87	217.94	0.00	0.00
104.0		37.81	217.28	0.00	0.00
105.0		37.76	216.62	0.00	0.00
106.0		37.70	215.96	0.00	0.00
107.0		37.64	215.30	0.00	0.00
108.0		37.58	214.64	0.00	0.00
108.7		28.14	160.55	0.00	0.00
109.0		9.36	36.73	0.00	0.00
110.0		244.89	451.12	0.00	96.38
111.0		37.39	145.56	0.00	0.00
112.0		37.32	144.90	0.00	0.00
113.0		37.26	144.24	0.00	0.00
114.0		31.41	143.58	0.00	0.00
115.0		29.39	142.92	0.00	0.00
116.0		29.30	142.26	0.00	0.00
117.0		29.21	141.61	0.00	0.00
118.0		29.11	140.95	0.00	0.00
119.0		29.02	140.29	0.00	0.00
120.0		1,274.46	2,599.63	0.00	0.00
121.0		28.82	132.97	0.00	0.00
122.0		28.73	132.31	0.00	0.00
123.0		28.63	131.65	0.00	0.00
124.0		28.53	130.99	0.00	0.00
124.9		28.25	129.53	0.00	0.00
125.0		0.18	1.21	0.00	0.00
126.0		28.75	197.42	0.00	0.00
127.0		28.65	196.23	0.00	0.00
128.0		28.54	195.04	0.00	0.00
128.6		19.38	132.23	0.00	0.00
129.0		9.04	35.95	0.00	0.00
130.0		28.33	112.52	0.00	0.00
131.0		1,262.67	2,001.99	0.00	1,631.72
132.0		28.11	100.87	0.00	0.00
133.0		46.18	148.04	0.00	0.00
134.0		27.89	99.82	0.00	0.00
135.0		27.78	99.29	0.00	0.00
136.0		27.67	98.76	0.00	0.00
137.0		431.29	497.23	0.00	0.00
138.0		23.53	90.96	0.00	0.00
139.0		23.41	90.44	0.00	0.00
140.0		23.28	89.91	0.00	0.00
141.0		1,350.93	1,982.78	0.00	1,800.60
142.0		23.03	77.71	0.00	0.00
143.0		22.90	77.19	0.00	0.00
144.0		22.77	76.66	0.00	0.00
145.0		22.64	76.13	0.00	0.00
146.0		22.51	75.60	0.00	0.00
147.0		22.38	75.07	0.00	0.00
147.9		1,639.93	2,973.80	0.00	3,655.19
148.0		376.29	362.66	0.00	3,237.42
	Totals:	11,717.90	46,876.36	0.00	10,639.62

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)



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

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

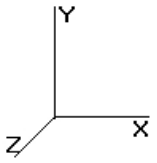
Calculated Shaft Forces and Deflections

Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-11.720	-46.875	0.000	0.000	0.000	-1,311.974	0.000	0.000	0.000	0.000
1.00	-11.698	-46.581	0.000	0.000	0.000	-1,300.254	-0.002	0.000	0.002	-0.014
2.00	-11.676	-46.288	0.000	0.000	0.000	-1,288.556	-0.006	0.000	0.006	-0.028
3.00	-11.654	-45.996	0.000	0.000	0.000	-1,276.880	-0.014	0.000	0.014	-0.043
4.00	-11.632	-45.704	0.000	0.000	0.000	-1,265.226	-0.024	0.000	0.024	-0.057
5.00	-11.610	-45.414	0.000	0.000	0.000	-1,253.594	-0.038	0.000	0.038	-0.071
6.00	-11.583	-45.071	0.000	0.000	0.000	-1,241.984	-0.054	0.000	0.054	-0.085
7.00	-11.556	-44.729	0.000	0.000	0.000	-1,230.401	-0.074	0.000	0.074	-0.100
8.00	-11.529	-44.388	0.000	0.000	0.000	-1,218.844	-0.096	0.000	0.096	-0.114
9.00	-11.502	-44.048	0.000	0.000	0.000	-1,207.315	-0.122	0.000	0.122	-0.128
10.00	-11.475	-43.709	0.000	0.000	0.000	-1,195.813	-0.150	0.000	0.150	-0.143
11.00	-11.448	-43.371	0.000	0.000	0.000	-1,184.338	-0.182	0.000	0.182	-0.157
12.00	-11.421	-43.033	0.000	0.000	0.000	-1,172.890	-0.216	0.000	0.216	-0.171
13.00	-11.394	-42.697	0.000	0.000	0.000	-1,161.469	-0.254	0.000	0.254	-0.186
14.00	-11.367	-42.361	0.000	0.000	0.000	-1,150.075	-0.295	0.000	0.295	-0.200
15.00	-11.340	-42.027	0.000	0.000	0.000	-1,138.708	-0.338	0.000	0.338	-0.215
16.00	-11.313	-41.693	0.000	0.000	0.000	-1,127.369	-0.385	0.000	0.385	-0.229
17.00	-11.285	-41.361	0.000	0.000	0.000	-1,116.056	-0.434	0.000	0.434	-0.244
18.00	-11.258	-41.029	0.000	0.000	0.000	-1,104.771	-0.487	0.000	0.487	-0.258
19.00	-11.231	-40.698	0.000	0.000	0.000	-1,093.514	-0.543	0.000	0.543	-0.273
20.00	-11.203	-40.368	0.000	0.000	0.000	-1,082.283	-0.602	0.000	0.602	-0.287
21.00	-11.176	-40.039	0.000	0.000	0.000	-1,071.080	-0.664	0.000	0.664	-0.302
22.00	-11.148	-39.711	0.000	0.000	0.000	-1,059.905	-0.729	0.000	0.729	-0.317
23.00	-11.121	-39.384	0.000	0.000	0.000	-1,048.756	-0.797	0.000	0.797	-0.331
24.00	-11.093	-39.058	0.000	0.000	0.000	-1,037.636	-0.868	0.000	0.868	-0.346
25.00	-11.066	-38.733	0.000	0.000	0.000	-1,026.543	-0.942	0.000	0.942	-0.361
26.00	-11.038	-38.409	0.000	0.000	0.000	-1,015.477	-1.019	0.000	1.019	-0.375
27.00	-11.011	-38.085	0.000	0.000	0.000	-1,004.439	-1.099	0.000	1.099	-0.390
28.00	-10.983	-37.763	0.000	0.000	0.000	-993.428	-1.183	0.000	1.183	-0.405
29.00	-10.955	-37.442	0.000	0.000	0.000	-982.446	-1.269	0.000	1.269	-0.419
30.00	-10.928	-37.121	0.000	0.000	0.000	-971.491	-1.359	0.000	1.359	-0.434
31.00	-10.900	-36.802	0.000	0.000	0.000	-960.563	-1.451	0.000	1.451	-0.449
32.00	-10.872	-36.483	0.000	0.000	0.000	-949.664	-1.547	0.000	1.547	-0.464
33.00	-10.844	-36.165	0.000	0.000	0.000	-938.792	-1.646	0.000	1.646	-0.479
34.00	-10.816	-35.849	0.000	0.000	0.000	-927.948	-1.748	0.000	1.748	-0.493
35.00	-10.788	-35.533	0.000	0.000	0.000	-917.132	-1.853	0.000	1.853	-0.508
36.00	-10.759	-35.218	0.000	0.000	0.000	-906.345	-1.961	0.000	1.961	-0.523
37.00	-10.730	-34.904	0.000	0.000	0.000	-895.586	-2.072	0.000	2.072	-0.538
38.00	-10.700	-34.591	0.000	0.000	0.000	-884.857	-2.187	0.000	2.187	-0.553
39.00	-10.671	-34.279	0.000	0.000	0.000	-874.157	-2.304	0.000	2.304	-0.567
40.00	-10.641	-33.968	0.000	0.000	0.000	-863.486	-2.425	0.000	2.425	-0.582
41.00	-10.606	-33.659	0.000	0.000	0.000	-852.846	-2.548	0.000	2.548	-0.597
41.04	-10.609	-33.647	0.000	0.000	0.000	-852.461	-2.553	0.000	2.553	-0.598
42.00	-10.578	-33.192	0.000	0.000	0.000	-842.237	-2.675	0.000	2.675	-0.612
43.00	-10.545	-32.721	0.000	0.000	0.000	-831.659	-2.805	0.000	2.805	-0.627
44.00	-10.511	-32.252	0.000	0.000	0.000	-821.115	-2.938	0.000	2.938	-0.641
45.00	-10.477	-31.785	0.000	0.000	0.000	-810.604	-3.074	0.000	3.074	-0.656
46.00	-10.441	-31.321	0.000	0.000	0.000	-800.127	-3.213	0.000	3.213	-0.671
46.63	-10.419	-31.029	0.000	0.000	0.000	-793.549	-3.302	0.000	3.302	-0.680
47.00	-10.410	-30.924	0.000	0.000	0.000	-789.695	-3.355	0.000	3.355	-0.685
48.00	-10.378	-30.642	0.000	0.000	0.000	-779.285	-3.500	0.000	3.500	-0.701

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)



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

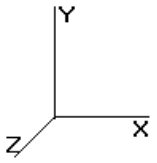
Gust Response Factor 1.69
Dead Load Factor : 1.00
Wind Load Factor : 1.00

49.00	-10.345	-30.362	0.000	0.000	0.000	-768.908	-3.649	0.000	3.649	-0.716
50.00	-10.313	-30.083	0.000	0.000	0.000	-758.563	-3.801	0.000	3.801	-0.732
51.00	-10.280	-29.804	0.000	0.000	0.000	-748.250	-3.956	0.000	3.956	-0.747
52.00	-10.247	-29.526	0.000	0.000	0.000	-737.971	-4.114	0.000	4.114	-0.763
53.00	-10.214	-29.249	0.000	0.000	0.000	-727.724	-4.276	0.000	4.276	-0.778
54.00	-10.180	-28.973	0.000	0.000	0.000	-717.511	-4.441	0.000	4.441	-0.794
55.00	-10.146	-28.697	0.000	0.000	0.000	-707.331	-4.609	0.000	4.609	-0.809
56.00	-10.113	-28.423	0.000	0.000	0.000	-697.185	-4.780	0.000	4.780	-0.825
57.00	-10.078	-28.149	0.000	0.000	0.000	-687.073	-4.955	0.000	4.955	-0.840
58.00	-10.044	-27.876	0.000	0.000	0.000	-676.995	-5.132	0.000	5.132	-0.855
59.00	-10.010	-27.604	0.000	0.000	0.000	-666.951	-5.313	0.000	5.313	-0.871
60.00	-9.975	-27.333	0.000	0.000	0.000	-656.941	-5.497	0.000	5.497	-0.886
61.00	-9.940	-27.062	0.000	0.000	0.000	-646.966	-5.685	0.000	5.685	-0.901
62.00	-9.905	-26.792	0.000	0.000	0.000	-637.027	-5.875	0.000	5.875	-0.917
63.00	-9.870	-26.524	0.000	0.000	0.000	-627.122	-6.069	0.000	6.069	-0.932
64.00	-9.834	-26.255	0.000	0.000	0.000	-617.252	-6.266	0.000	6.266	-0.947
65.00	-9.799	-25.988	0.000	0.000	0.000	-607.418	-6.466	0.000	6.466	-0.962
66.00	-9.763	-25.722	0.000	0.000	0.000	-597.619	-6.670	0.000	6.670	-0.977
67.00	-9.727	-25.456	0.000	0.000	0.000	-587.856	-6.876	0.000	6.876	-0.992
68.00	-9.691	-25.192	0.000	0.000	0.000	-578.130	-7.086	0.000	7.086	-1.007
69.00	-9.655	-24.928	0.000	0.000	0.000	-568.439	-7.298	0.000	7.298	-1.022
70.00	-9.618	-24.664	0.000	0.000	0.000	-558.784	-7.514	0.000	7.514	-1.037
71.00	-9.582	-24.402	0.000	0.000	0.000	-549.166	-7.733	0.000	7.733	-1.052
72.00	-9.545	-24.141	0.000	0.000	0.000	-539.584	-7.955	0.000	7.955	-1.067
73.00	-9.508	-23.880	0.000	0.000	0.000	-530.039	-8.180	0.000	8.180	-1.082
74.00	-9.471	-23.620	0.000	0.000	0.000	-520.531	-8.409	0.000	8.409	-1.096
75.00	-9.392	-23.331	0.000	0.000	0.000	-511.060	-8.640	0.000	8.640	-1.111
76.00	-9.355	-23.073	0.000	0.000	0.000	-501.669	-8.874	0.000	8.874	-1.126
77.00	-9.317	-22.816	0.000	0.000	0.000	-492.314	-9.112	0.000	9.112	-1.140
78.00	-9.280	-22.560	0.000	0.000	0.000	-482.997	-9.352	0.000	9.352	-1.154
79.00	-9.242	-22.304	0.000	0.000	0.000	-473.718	-9.596	0.000	9.596	-1.169
80.00	-9.204	-22.049	0.000	0.000	0.000	-464.476	-9.842	0.000	9.842	-1.183
81.00	-9.165	-21.796	0.000	0.000	0.000	-455.272	-10.092	0.000	10.092	-1.197
81.49	-9.146	-21.672	0.000	0.000	0.000	-450.768	-10.215	0.000	10.215	-1.204
82.00	-9.127	-21.486	0.000	0.000	0.000	-446.117	-10.344	0.000	10.344	-1.211
83.00	-9.086	-21.122	0.000	0.000	0.000	-436.990	-10.599	0.000	10.599	-1.225
84.00	-9.044	-20.760	0.000	0.000	0.000	-427.905	-10.858	0.000	10.858	-1.239
85.00	-9.003	-20.400	0.000	0.000	0.000	-418.861	-11.119	0.000	11.119	-1.253
86.00	-8.959	-20.042	0.000	0.000	0.000	-409.858	-11.383	0.000	11.383	-1.266
86.18	-8.953	-19.978	0.000	0.000	0.000	-408.279	-11.430	0.000	11.430	-1.269
87.00	-8.922	-19.789	0.000	0.000	0.000	-400.904	-11.650	0.000	11.650	-1.280
88.00	-8.883	-19.559	0.000	0.000	0.000	-391.982	-11.919	0.000	11.919	-1.294
89.00	-8.844	-19.330	0.000	0.000	0.000	-383.099	-12.192	0.000	12.192	-1.308
90.00	-8.805	-19.102	0.000	0.000	0.000	-374.255	-12.468	0.000	12.468	-1.322
91.00	-8.766	-18.875	0.000	0.000	0.000	-365.450	-12.746	0.000	12.746	-1.336
92.00	-8.727	-18.648	0.000	0.000	0.000	-356.684	-13.028	0.000	13.028	-1.350
93.00	-8.688	-18.422	0.000	0.000	0.000	-347.957	-13.312	0.000	13.312	-1.363
94.00	-8.649	-18.197	0.000	0.000	0.000	-339.269	-13.599	0.000	13.599	-1.377
95.00	-8.609	-17.972	0.000	0.000	0.000	-330.621	-13.889	0.000	13.889	-1.390
96.00	-8.570	-17.749	0.000	0.000	0.000	-322.012	-14.182	0.000	14.182	-1.403
97.00	-8.530	-17.525	0.000	0.000	0.000	-313.442	-14.478	0.000	14.478	-1.416
98.00	-8.490	-17.303	0.000	0.000	0.000	-304.912	-14.776	0.000	14.776	-1.429
99.00	-8.450	-17.081	0.000	0.000	0.000	-296.422	-15.077	0.000	15.077	-1.442
100.0	-8.285	-16.687	0.000	0.000	0.000	-287.754	-15.380	0.000	15.380	-1.455
101.0	-8.245	-16.467	0.000	0.000	0.000	-279.469	-15.686	0.000	15.686	-1.467
102.0	-8.205	-16.248	0.000	0.000	0.000	-271.224	-15.995	0.000	15.995	-1.479
103.0	-8.165	-16.029	0.000	0.000	0.000	-263.019	-16.306	0.000	16.306	-1.491

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

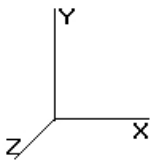


12/5/2013 11:40:48 AM
Page: 101

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

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

104.0	-8.125	-15.811	0.000	0.000	0.000	-254.854	-16.620	0.000	16.620	-1.503
105.0	-8.085	-15.594	0.000	0.000	0.000	-246.729	-16.936	0.000	16.936	-1.514
106.0	-8.044	-15.378	0.000	0.000	0.000	-238.645	-17.255	0.000	17.255	-1.526
107.0	-8.004	-15.162	0.000	0.000	0.000	-230.601	-17.576	0.000	17.576	-1.537
108.0	-7.963	-14.947	0.000	0.000	0.000	-222.597	-17.899	0.000	17.899	-1.548
108.7	-7.932	-14.786	0.000	0.000	0.000	-216.625	-18.143	0.000	18.143	-1.556
109.0	-7.925	-14.748	0.000	0.000	0.000	-214.642	-18.224	0.000	18.224	-1.559
110.0	-7.673	-14.301	0.000	0.000	0.000	-206.621	-18.553	0.000	18.553	-1.581
111.0	-7.637	-14.154	0.000	0.000	0.000	-198.948	-18.887	0.000	18.887	-1.603
112.0	-7.601	-14.007	0.000	0.000	0.000	-191.311	-19.225	0.000	19.225	-1.625
113.0	-7.565	-13.861	0.000	0.000	0.000	-183.710	-19.568	0.000	19.568	-1.646
114.0	-7.534	-13.716	0.000	0.000	0.000	-176.145	-19.915	0.000	19.915	-1.667
115.0	-7.506	-13.571	0.000	0.000	0.000	-168.611	-20.267	0.000	20.267	-1.687
116.0	-7.477	-13.427	0.000	0.000	0.000	-161.106	-20.622	0.000	20.622	-1.707
117.0	-7.448	-13.284	0.000	0.000	0.000	-153.629	-20.982	0.000	20.982	-1.727
118.0	-7.419	-13.142	0.000	0.000	0.000	-146.182	-21.346	0.000	21.346	-1.746
119.0	-7.390	-13.000	0.000	0.000	0.000	-138.763	-21.714	0.000	21.714	-1.764
120.0	-6.039	-10.439	0.000	0.000	0.000	-131.374	-22.085	0.000	22.085	-1.782
121.0	-6.009	-10.305	0.000	0.000	0.000	-125.335	-22.460	0.000	22.460	-1.799
122.0	-5.979	-10.172	0.000	0.000	0.000	-119.327	-22.839	0.000	22.839	-1.816
123.0	-5.949	-10.040	0.000	0.000	0.000	-113.348	-23.221	0.000	23.221	-1.833
124.0	-5.919	-9.908	0.000	0.000	0.000	-107.399	-23.607	0.000	23.607	-1.849
124.9	-5.888	-9.779	0.000	0.000	0.000	-101.517	-23.993	0.000	23.993	-1.864
125.0	-5.889	-9.777	0.000	0.000	0.000	-101.481	-23.996	0.000	23.996	-1.864
126.0	-5.856	-9.579	0.000	0.000	0.000	-95.592	-24.388	0.000	24.388	-1.879
127.0	-5.824	-9.383	0.000	0.000	0.000	-89.736	-24.783	0.000	24.783	-1.893
128.0	-5.791	-9.187	0.000	0.000	0.000	-83.912	-25.181	0.000	25.181	-1.907
128.6	-5.768	-9.055	0.000	0.000	0.000	-79.966	-25.454	0.000	25.454	-1.916
129.0	-5.759	-9.019	0.000	0.000	0.000	-78.129	-25.582	0.000	25.582	-1.921
130.0	-5.729	-8.906	0.000	0.000	0.000	-72.370	-25.986	0.000	25.986	-1.935
131.0	-4.401	-6.947	0.000	0.000	0.000	-65.009	-26.393	0.000	26.393	-1.949
132.0	-4.371	-6.846	0.000	0.000	0.000	-60.608	-26.803	0.000	26.803	-1.962
133.0	-4.321	-6.699	0.000	0.000	0.000	-56.237	-27.215	0.000	27.215	-1.974
134.0	-4.291	-6.599	0.000	0.000	0.000	-51.916	-27.630	0.000	27.630	-1.986
135.0	-4.261	-6.500	0.000	0.000	0.000	-47.625	-28.047	0.000	28.047	-1.997
136.0	-4.232	-6.401	0.000	0.000	0.000	-43.363	-28.467	0.000	28.467	-2.007
137.0	-3.784	-5.919	0.000	0.000	0.000	-39.132	-28.888	0.000	28.888	-2.017
138.0	-3.758	-5.828	0.000	0.000	0.000	-35.348	-29.312	0.000	29.312	-2.026
139.0	-3.732	-5.738	0.000	0.000	0.000	-31.590	-29.737	0.000	29.737	-2.034
140.0	-3.707	-5.649	0.000	0.000	0.000	-27.857	-30.164	0.000	30.164	-2.041
141.0	-2.286	-3.715	0.000	0.000	0.000	-22.350	-30.592	0.000	30.592	-2.048
142.0	-2.261	-3.638	0.000	0.000	0.000	-20.064	-31.022	0.000	31.022	-2.054
143.0	-2.236	-3.562	0.000	0.000	0.000	-17.803	-31.452	0.000	31.452	-2.059
144.0	-2.211	-3.486	0.000	0.000	0.000	-15.567	-31.884	0.000	31.884	-2.063
145.0	-2.185	-3.410	0.000	0.000	0.000	-13.357	-32.316	0.000	32.316	-2.068
146.0	-2.160	-3.336	0.000	0.000	0.000	-11.171	-32.750	0.000	32.750	-2.071
147.0	-2.136	-3.261	0.000	0.000	0.000	-9.011	-33.184	0.000	33.184	-2.074
147.9	-0.389	-0.349	0.000	0.000	0.000	-3.241	-33.614	0.000	33.614	-2.077
148.0	-0.376	0.000	0.000	0.000	0.000	-3.237	-33.619	0.000	33.619	-2.077

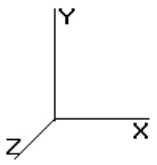


Load Case: Twist/Sway — 50.00 mph Wind with No Ice — 28 Iterations

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

Calculated Stresses

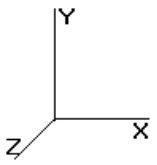
Seg Elev (ft)	Applied Stresses Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)	Allowable Stress (Fb) (ksi)		Stress Ratio
0.00	0.55	0.36	0.00	0.00	0.00	14.60	15.16	52.0	0.0	0.292
1.00	0.55	0.36	0.00	0.00	0.00	14.57	15.13	52.0	0.0	0.291
2.00	0.54	0.36	0.00	0.00	0.00	14.54	15.09	52.0	0.0	0.290
3.00	0.54	0.36	0.00	0.00	0.00	14.50	15.06	52.0	0.0	0.290
4.00	0.54	0.36	0.00	0.00	0.00	14.47	15.02	52.0	0.0	0.289
5.00	0.54	0.36	0.00	0.00	0.00	14.44	14.99	52.0	0.0	0.288
6.00	0.54	0.36	0.00	0.00	0.00	14.40	14.95	52.0	0.0	0.288
7.00	0.53	0.36	0.00	0.00	0.00	14.37	14.91	52.0	0.0	0.287
8.00	0.53	0.36	0.00	0.00	0.00	14.33	14.88	52.0	0.0	0.286
9.00	0.53	0.36	0.00	0.00	0.00	14.30	14.84	52.0	0.0	0.285
10.00	0.53	0.37	0.00	0.00	0.00	14.26	14.80	52.0	0.0	0.285
11.00	0.52	0.37	0.00	0.00	0.00	14.22	14.76	52.0	0.0	0.284
12.00	0.52	0.37	0.00	0.00	0.00	14.18	14.72	52.0	0.0	0.283
13.00	0.52	0.37	0.00	0.00	0.00	14.14	14.68	52.0	0.0	0.282
14.00	0.52	0.37	0.00	0.00	0.00	14.11	14.64	52.0	0.0	0.282
15.00	0.51	0.37	0.00	0.00	0.00	14.07	14.59	52.0	0.0	0.281
16.00	0.51	0.37	0.00	0.00	0.00	14.03	14.55	52.0	0.0	0.280
17.00	0.51	0.37	0.00	0.00	0.00	13.98	14.51	52.0	0.0	0.279
18.00	0.51	0.37	0.00	0.00	0.00	13.94	14.47	52.0	0.0	0.278
19.00	0.51	0.37	0.00	0.00	0.00	13.90	14.42	52.0	0.0	0.277
20.00	0.50	0.37	0.00	0.00	0.00	13.86	14.38	52.0	0.0	0.277
21.00	0.50	0.37	0.00	0.00	0.00	13.81	14.33	52.0	0.0	0.276
22.00	0.50	0.37	0.00	0.00	0.00	13.77	14.28	52.0	0.0	0.275
23.00	0.50	0.37	0.00	0.00	0.00	13.72	14.24	52.0	0.0	0.274
24.00	0.49	0.38	0.00	0.00	0.00	13.68	14.19	52.0	0.0	0.273
25.00	0.49	0.38	0.00	0.00	0.00	13.63	14.14	52.0	0.0	0.272
26.00	0.49	0.38	0.00	0.00	0.00	13.59	14.09	52.0	0.0	0.271
27.00	0.49	0.38	0.00	0.00	0.00	13.54	14.04	52.0	0.0	0.270
28.00	0.48	0.38	0.00	0.00	0.00	13.49	13.99	52.0	0.0	0.269
29.00	0.48	0.38	0.00	0.00	0.00	13.44	13.94	52.0	0.0	0.268
30.00	0.48	0.38	0.00	0.00	0.00	13.39	13.88	52.0	0.0	0.267
31.00	0.48	0.38	0.00	0.00	0.00	13.34	13.83	52.0	0.0	0.266
32.00	0.47	0.38	0.00	0.00	0.00	13.29	13.78	52.0	0.0	0.265
33.00	0.47	0.38	0.00	0.00	0.00	13.23	13.72	52.0	0.0	0.264
34.00	0.47	0.38	0.00	0.00	0.00	13.18	13.67	52.0	0.0	0.263
35.00	0.47	0.38	0.00	0.00	0.00	13.13	13.61	52.0	0.0	0.262
36.00	0.46	0.39	0.00	0.00	0.00	13.07	13.55	52.0	0.0	0.261
37.00	0.46	0.39	0.00	0.00	0.00	13.02	13.49	52.0	0.0	0.260
38.00	0.46	0.39	0.00	0.00	0.00	12.96	13.44	52.0	0.0	0.258
39.00	0.46	0.39	0.00	0.00	0.00	12.90	13.38	52.0	0.0	0.257
40.00	0.45	0.39	0.00	0.00	0.00	12.84	13.31	52.0	0.0	0.256
41.00	0.45	0.39	0.00	0.00	0.00	12.78	13.25	52.0	0.0	0.255
41.04	0.45	0.39	0.00	0.00	0.00	12.78	13.25	52.0	0.0	0.255
42.00	0.45	0.39	0.00	0.00	0.00	12.59	13.05	52.0	0.0	0.251
43.00	0.44	0.39	0.00	0.00	0.00	12.53	12.99	52.0	0.0	0.250
44.00	0.44	0.39	0.00	0.00	0.00	12.46	12.92	52.0	0.0	0.249
45.00	0.43	0.39	0.00	0.00	0.00	12.40	12.85	52.0	0.0	0.247
46.00	0.43	0.39	0.00	0.00	0.00	12.34	12.78	52.0	0.0	0.246
46.63	0.47	0.45	0.00	0.00	0.00	13.29	13.78	52.0	0.0	0.265
47.00	0.47	0.45	0.00	0.00	0.00	13.26	13.75	52.0	0.0	0.265
48.00	0.46	0.45	0.00	0.00	0.00	13.19	13.67	52.0	0.0	0.263



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

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

49.00	0.46	0.45	0.00	0.00	0.00	13.11	13.60	52.0	0.0	0.262
50.00	0.46	0.45	0.00	0.00	0.00	13.03	13.52	52.0	0.0	0.260
51.00	0.46	0.45	0.00	0.00	0.00	12.96	13.44	52.0	0.0	0.258
52.00	0.45	0.45	0.00	0.00	0.00	12.88	13.35	52.0	0.0	0.257
53.00	0.45	0.45	0.00	0.00	0.00	12.80	13.27	52.0	0.0	0.255
54.00	0.45	0.46	0.00	0.00	0.00	12.72	13.19	52.0	0.0	0.254
55.00	0.45	0.46	0.00	0.00	0.00	12.63	13.10	52.0	0.0	0.252
56.00	0.44	0.46	0.00	0.00	0.00	12.55	13.02	52.0	0.0	0.250
57.00	0.44	0.46	0.00	0.00	0.00	12.47	12.93	52.0	0.0	0.249
58.00	0.44	0.46	0.00	0.00	0.00	12.38	12.84	52.0	0.0	0.247
59.00	0.43	0.46	0.00	0.00	0.00	12.29	12.75	52.0	0.0	0.245
60.00	0.43	0.46	0.00	0.00	0.00	12.21	12.66	52.0	0.0	0.244
61.00	0.43	0.46	0.00	0.00	0.00	12.12	12.57	52.0	0.0	0.242
62.00	0.43	0.46	0.00	0.00	0.00	12.03	12.48	52.0	0.0	0.240
63.00	0.42	0.46	0.00	0.00	0.00	11.93	12.38	52.0	0.0	0.238
64.00	0.42	0.46	0.00	0.00	0.00	11.84	12.29	52.0	0.0	0.236
65.00	0.42	0.47	0.00	0.00	0.00	11.75	12.19	52.0	0.0	0.235
66.00	0.42	0.47	0.00	0.00	0.00	11.65	12.09	52.0	0.0	0.233
67.00	0.41	0.47	0.00	0.00	0.00	11.55	12.00	52.0	0.0	0.231
68.00	0.41	0.47	0.00	0.00	0.00	11.46	11.89	52.0	0.0	0.229
69.00	0.41	0.47	0.00	0.00	0.00	11.36	11.79	52.0	0.0	0.227
70.00	0.40	0.47	0.00	0.00	0.00	11.26	11.69	52.0	0.0	0.225
71.00	0.40	0.47	0.00	0.00	0.00	11.15	11.58	52.0	0.0	0.223
72.00	0.40	0.47	0.00	0.00	0.00	11.05	11.48	52.0	0.0	0.221
73.00	0.40	0.47	0.00	0.00	0.00	10.95	11.37	52.0	0.0	0.219
74.00	0.39	0.47	0.00	0.00	0.00	10.84	11.26	52.0	0.0	0.217
75.00	0.39	0.47	0.00	0.00	0.00	10.73	11.15	52.0	0.0	0.215
76.00	0.39	0.47	0.00	0.00	0.00	10.62	11.04	52.0	0.0	0.212
77.00	0.38	0.47	0.00	0.00	0.00	10.51	10.93	52.0	0.0	0.210
78.00	0.38	0.47	0.00	0.00	0.00	10.40	10.81	52.0	0.0	0.208
79.00	0.38	0.48	0.00	0.00	0.00	10.29	10.70	52.0	0.0	0.206
80.00	0.38	0.48	0.00	0.00	0.00	10.17	10.58	52.0	0.0	0.204
81.00	0.37	0.48	0.00	0.00	0.00	10.06	10.46	52.0	0.0	0.201
81.49	0.37	0.48	0.00	0.00	0.00	10.00	10.41	52.0	0.0	0.200
82.00	0.37	0.48	0.00	0.00	0.00	9.81	10.21	52.0	0.0	0.196
83.00	0.36	0.48	0.00	0.00	0.00	9.69	10.09	52.0	0.0	0.194
84.00	0.36	0.48	0.00	0.00	0.00	9.57	9.96	52.0	0.0	0.192
85.00	0.36	0.48	0.00	0.00	0.00	9.45	9.84	52.0	0.0	0.189
86.00	0.35	0.48	0.00	0.00	0.00	9.32	9.71	52.0	0.0	0.187
86.18	0.39	0.56	0.00	0.00	0.00	10.10	10.53	52.0	0.0	0.203
87.00	0.38	0.57	0.00	0.00	0.00	9.99	10.42	52.0	0.0	0.200
88.00	0.38	0.57	0.00	0.00	0.00	9.84	10.27	52.0	0.0	0.198
89.00	0.38	0.57	0.00	0.00	0.00	9.70	10.13	52.0	0.0	0.195
90.00	0.38	0.57	0.00	0.00	0.00	9.56	9.98	52.0	0.0	0.192
91.00	0.37	0.57	0.00	0.00	0.00	9.41	9.83	52.0	0.0	0.189
92.00	0.37	0.57	0.00	0.00	0.00	9.26	9.68	52.0	0.0	0.186
93.00	0.37	0.57	0.00	0.00	0.00	9.11	9.53	52.0	0.0	0.183
94.00	0.36	0.57	0.00	0.00	0.00	8.96	9.38	52.0	0.0	0.180
95.00	0.36	0.57	0.00	0.00	0.00	8.81	9.22	52.0	0.0	0.177
96.00	0.36	0.57	0.00	0.00	0.00	8.65	9.06	52.0	0.0	0.174
97.00	0.35	0.58	0.00	0.00	0.00	8.49	8.90	52.0	0.0	0.171
98.00	0.35	0.58	0.00	0.00	0.00	8.33	8.74	52.0	0.0	0.168
99.00	0.35	0.58	0.00	0.00	0.00	8.17	8.58	52.0	0.0	0.165
100.00	0.34	0.57	0.00	0.00	0.00	8.00	8.40	52.0	0.0	0.162
101.00	0.34	0.57	0.00	0.00	0.00	7.84	8.23	52.0	0.0	0.158
102.00	0.33	0.57	0.00	0.00	0.00	7.67	8.07	52.0	0.0	0.155
103.00	0.33	0.57	0.00	0.00	0.00	7.50	7.90	52.0	0.0	0.152



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

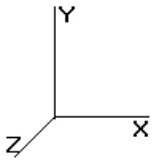
Gust Response Factor 1.69
Dead Load Factor : 1.00
Wind Load Factor : 1.00

104.00	0.33	0.57	0.00	0.00	0.00	7.33	7.73	52.0	0.0	0.149
105.00	0.33	0.58	0.00	0.00	0.00	7.16	7.55	52.0	0.0	0.145
106.00	0.32	0.58	0.00	0.00	0.00	6.99	7.38	52.0	0.0	0.142
107.00	0.32	0.58	0.00	0.00	0.00	6.81	7.20	52.0	0.0	0.139
108.00	0.32	0.58	0.00	0.00	0.00	6.64	7.02	52.0	0.0	0.135
108.75	0.31	0.58	0.00	0.00	0.00	6.50	6.89	52.0	0.0	0.133
108.75	0.54	0.58	0.00	0.00	0.00	13.78	14.35	52.0	0.0	0.276
109.00	0.54	0.58	0.00	0.00	0.00	13.70	14.27	52.0	0.0	0.275
110.00	0.52	0.57	0.00	0.00	0.00	13.38	13.93	52.0	0.0	0.268
111.00	0.52	0.57	0.00	0.00	0.00	13.06	13.62	52.0	0.0	0.262
112.00	0.52	0.57	0.00	0.00	0.00	12.75	13.30	52.0	0.0	0.256
113.00	0.52	0.57	0.00	0.00	0.00	12.42	12.97	52.0	0.0	0.250
114.00	0.52	0.57	0.00	0.00	0.00	12.08	12.64	52.0	0.0	0.243
115.00	0.51	0.57	0.00	0.00	0.00	11.74	12.29	52.0	0.0	0.236
116.00	0.51	0.58	0.00	0.00	0.00	11.38	11.94	52.0	0.0	0.230
117.00	0.51	0.58	0.00	0.00	0.00	11.02	11.57	52.0	0.0	0.223
118.00	0.51	0.58	0.00	0.00	0.00	10.64	11.20	52.0	0.0	0.215
119.00	0.51	0.58	0.00	0.00	0.00	10.26	10.81	52.0	0.0	0.208
120.00	0.41	0.48	0.00	0.00	0.00	9.86	10.31	52.0	0.0	0.198
121.00	0.41	0.48	0.00	0.00	0.00	9.55	10.00	52.0	0.0	0.192
122.00	0.41	0.48	0.00	0.00	0.00	9.24	9.68	52.0	0.0	0.186
123.00	0.40	0.48	0.00	0.00	0.00	8.91	9.36	52.0	0.0	0.180
124.00	0.40	0.48	0.00	0.00	0.00	8.58	9.02	52.0	0.0	0.174
124.99	0.40	0.49	0.00	0.00	0.00	8.24	8.68	52.0	0.0	0.167
125.00	0.40	0.49	0.00	0.00	0.00	8.24	8.68	52.0	0.0	0.167
126.00	0.40	0.49	0.00	0.00	0.00	7.89	8.32	52.0	0.0	0.160
127.00	0.39	0.49	0.00	0.00	0.00	7.52	7.96	52.0	0.0	0.153
128.00	0.39	0.49	0.00	0.00	0.00	7.15	7.58	52.0	0.0	0.146
128.68	0.47	0.60	0.00	0.00	0.00	8.20	8.73	52.0	0.0	0.168
129.00	0.47	0.60	0.00	0.00	0.00	8.05	8.58	52.0	0.0	0.165
130.00	0.46	0.60	0.00	0.00	0.00	7.58	8.11	52.0	0.0	0.156
131.00	0.36	0.47	0.00	0.00	0.00	6.92	7.33	52.0	0.0	0.141
132.00	0.36	0.47	0.00	0.00	0.00	6.56	6.97	52.0	0.0	0.134
133.00	0.36	0.46	0.00	0.00	0.00	6.19	6.59	52.0	0.0	0.127
134.00	0.35	0.47	0.00	0.00	0.00	5.81	6.22	52.0	0.0	0.120
135.00	0.35	0.47	0.00	0.00	0.00	5.42	5.83	52.0	0.0	0.112
136.00	0.35	0.47	0.00	0.00	0.00	5.02	5.43	52.0	0.0	0.104
137.00	0.33	0.42	0.00	0.00	0.00	4.61	4.99	52.0	0.0	0.096
138.00	0.32	0.42	0.00	0.00	0.00	4.23	4.62	52.0	0.0	0.089
139.00	0.32	0.42	0.00	0.00	0.00	3.85	4.24	52.0	0.0	0.081
140.00	0.32	0.42	0.00	0.00	0.00	3.46	3.85	52.0	0.0	0.074
141.00	0.21	0.26	0.00	0.00	0.00	2.82	3.07	52.0	0.0	0.059
142.00	0.21	0.26	0.00	0.00	0.00	2.58	2.83	52.0	0.0	0.054
143.00	0.21	0.26	0.00	0.00	0.00	2.33	2.58	52.0	0.0	0.050
144.00	0.20	0.26	0.00	0.00	0.00	2.08	2.32	52.0	0.0	0.045
145.00	0.20	0.26	0.00	0.00	0.00	1.81	2.07	52.0	0.0	0.040
146.00	0.20	0.26	0.00	0.00	0.00	1.55	1.80	52.0	0.0	0.035
147.00	0.20	0.26	0.00	0.00	0.00	1.27	1.53	52.0	0.0	0.030
147.99	0.02	0.05	0.00	0.00	0.00	0.47	0.49	52.0	0.0	0.009
148.00	0.00	0.05	0.00	0.00	0.00	0.46	0.47	52.0	0.0	0.009

Pole : 302515
Location : SMFR - North, CT
Height : 148.00 (ft)
Base Dia : 48.000 (in)
Top Dia : 20.944 (in)
Shape : 18 Sides
Taper : 0.195479 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)



Analysis Summary

	Reactions						Max Stresses			
Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Combined Stress (ksi)	Allowable Stress (ksi)	Elev (ft)	Stress Ratio
No Ice	38.0	0.00	46.86	0.00	0.00	4244.78	47.83	52.0	0.00	0.920
Ice	31.9	0.00	51.98	0.00	0.00	3568.67	40.36	52.0	0.00	0.776
Twist/Sway	11.7	0.00	46.87	0.00	0.00	1311.97	15.16	52.0	0.00	0.292

Additional Steel Summary

			Intermediate Connectors			Upper Termination Connectors				Lower Termination Connectors				Max Member		
Elev From (ft)	Elev To (ft)	Member	VQ/I (lb/in)	Shear Applied (kips)	Shear Allow (kips)	MQ/I (kips)	Allow (kips)	Num Reqd	Num Actual	MQ/I (kips)	Allow (kips)	Num Reqd	Num Actual	fb (ksi)	Fb (ksi)	Ratio
0.00	108.7	(4) SOL-#20 All Thre	385.6	11.6	12.9	126.2	8.1	16	20	0.0	8.1	0	0	56.2	57.8	0.971

Base/Flange Plate	Plate Type	***Baseplate***	
	Pole Diameter	48	in
	Pole Thickness	0.4375	in
	Plate Diameter	63	in
	Plate Thickness	2	in
	Plate Fy	60	ksi
	Weld Length	0.3125	in
	Allowable	1154.59	k-in
	Applied	484.58	k-in
Stiffeners	#	***12***	***Show***
	Thickness	0.75	in
	Length	6	in
	Height	12	in
	Chamfer	1	in
	Offset Angle	22.5	°
	Fy	36	ksi

Bolts	#	***16***	
	Bolt Circle	57	in
	(R)adial / (S)quare	R	
●	Diameter	2.25	in
	Hole Diameter	2.625	in
	Type	A615-75	
	Fy	75	ksi
	Fu	100	ksi
	Allowable	194.86	k
	Applied	168.55	k
Reinforcement ●	#	***4***	
	DYW. Circle	54.9	in
	Offset Angle	10	°
	Type	#20	
	Diameter	2.5	in
	Fu	100	ksi
Extra Bolts O	#	***0***	

Code Rev.	***F***	**Date**	12/3/2013
A.S.I.	1.33	**Engineer**	JAA
		Site #	302515
Moment	4244.8 k-ft	**Carrier**	Sprint Nextel
Axial	52.0 k		

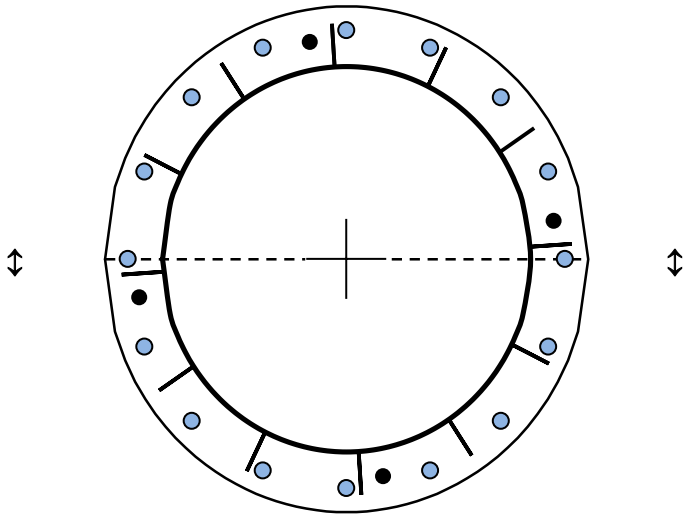
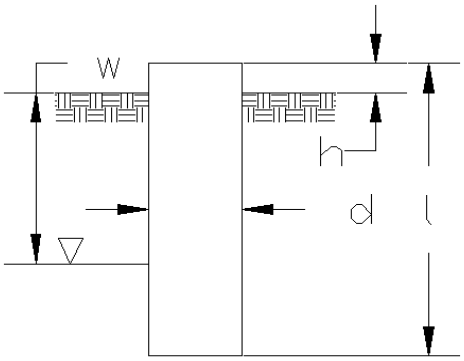


Plate Stress Ratio:
0.42 (Pass)

Bolt Stress Ratio:
0.86 (Pass)

Site Name:	SMFR - North, CT	*Program Last Updated:*	*9/18/2012*
Site Number:	302515	*American Tower Corporation*	
Engineer:	JAA		
Engineering Number:	517729212		
Date:	12/03/13		



Design Base Loads (Unfactored) - Analysis per TIA-222-F Standards

Analyze or Design a Foundation?	Analyze	
Foundation Mapped:	N	
Moment (M):	4244.8	k-ft
Shear/Leg (V):	38.0	k
Axial Load (P):	52.0	k
Uplift/Leg (U):	0.0	k
Tower Type (GT / SST / MP):	MP	
Diameter of Caisson (d):	6.5	ft
Caisson Embedment (L-h):	24.0	ft
Caisson Height Above Ground (h):	1.0	ft
Depth Below Ground Surface to Water Table (w):	22.0	ft
Unit Weight of Concrete:	150.0	pcf
Unit Weight of Water:	62.4	pcf
Tension Skin Friction/Compression Skin Friction:	1.00	
Pullout Angle:	30.0	degrees

Engineer Notes

Soil Mechanical Properties

Depth (ft) Top	Depth (ft) Bottom	γ_{Soil} (pcf)	Cohesion (psf)	ϕ (degree)	Allowable Skin Friction (psf)	Allowable Bearing Pressure (psf)
0.0	2.0	110	0	10	0	0
2.0	10.0	125	0	35	200	6000
10.0	16.0	125	250	36	700	6000
16.0	22.0	125	0	39	700	20000
22.0	27.0	125	6000	0	1500	20000

Volume of Concrete:	829.6	ft^3 =	30.7 yd^3
Weight of Concrete (Buoyancy Effect Considered):	120.3	k	
Average Soil Unit Weight:	118.6	pcf	
Skin Friction Resistance:	265.5	k	
Compressive Bearing Resistance:	663.7	k	
Pullout Weight (Minus Concrete Weight):	974.6	k	
Allowable Uplift Capacity (U_{Allow}):	361.7	k	
Allowable Compressive Capacity (P_{Allow}):	929.1	k	
Compressive Design Load (P):	72.9	k	
U / U_{Allow}:	0.00	Result: OK	
P / P_{Allow}:	0.08	Result: OK	
Total Lateral Resistance:	2317.1	k	
Inflection Point (Below Ground Surface):	17.3	ft	
Design Overturning Moment At Inflection Point (M_D):	4940.4	k-ft	
Nominal Moment Capacity (M_{Allow}):	10126.5	k-ft	
M_{Allow} / M_D Factor of Safety:	2.05	Result: OK	

Caisson Strength Capacity

Concrete Compressive Strength (f'_c):	4000	psi	
Vertical Steel Rebar Size #:	11		
Vertical Steel Rebar Area:	1.56	in^2	
Required # of Vertical Rebar to Satisfy Reinforcement Strength:	1		
Design # of Vertical Steel Rebars:	20		
Vertical Steel Rebar Yield Strength (F_y):	60	ksi	
Horizontal Tie / Stirrup Size #:	5		
Horizontal Tie / Stirrup Area:	0.31	in^2	
48 * Tie Diameter:	30.00	in	Commentary: Cell F192 is based on concret
16 * Vertical Bar Diameter:	22.00	in	double the design shear, thus tie design is b
0.8 * Diameter of Pier / 2:	31.20	in	limits per ACI318-05, 11.5.5 and typical caiss
12":	12.00	in	
Minimum Spacing:	12.00	in	
If $V_u > 0.5\phi V_c$:			Commentary: Cell F201 is based on $V_u > \phi V_c$
			on the maximum steel spacing needed to ca
ϕV_c:	455.8	k	$V_u - \phi V_c/2$. This is considered as both S_{Min} (c
			be conservative. Cell F201 will consider the
S, Based on strength requirements:	4.80	in	min(F199, F200) as the default spacing. If ce
S_{Min}:	10.05	in	exceeds cell F192, the value from F192 will c
S_{Min}:	9.54	in	
Minimum Spacing:	9.5	in	
If $V_u > \phi V_c$:			Commentary: Cell F208 is based on $V_u > \phi V_c$
ϕV_c:	455.8	k	calculates the spacing required for strength.
S, Based on strength requirements:	12.92	in	code requirements. Cell 209 defaults to the
S_{Min}:	10.05	in	the requirement.
S_{Min}:	9.54	in	
Minimum Spacing:	9.54	in	
ϕV_s:	145.1	k	
Required Horizontal Tie / Stirrup Spacing:	9.5	in	
Design Horizontal Tie / Stirrup Spacing:	12.0		
Horizontal Tie / Stirrup Steel Yield Strength (F_y):	60	ksi	
Rebar Cage Diameter:	67.0	in	
Strength Bending/Tension Reduction Factor (ϕ_B):	0.90	ACI318-05 - 9.3.2.1	
Strength Shear Reduction Factor (ϕ_V):	0.75	ACI318-05 - 9.3.2.3	
Strength Compression Reduction Factor (ϕ_V):	0.65	ACI318-05 - 9.3.2.2	
Wind Design Factor:	1.30	ACI318-05 - 9.2.1	
Steel Elastic Modulus:	29000	ksi	
Maximum Allowable Strain in Rebar:	0.008	ACI318-05 - 10.3.5	
Design Moment (M_u):	5588.2	k-ft	
Nominal Moment Capacity ($\phi_B M_n$):	6899.9	k-ft - ACI318-005 - 10.2	
$M_u/\phi_B M_n$:	0.81	Result: OK	
Design Shear (V_u):	590.5	k	
Nominal Shear Capacity ($\phi_V V_n$):	600.9	k - ACI318-05 - 11.3.1.1 or 11.5.7.2	
$V_u/\phi_V V_n$:	0.98	Result: OK	
Design Tension (T_u):	0.0	k	
Nominal Tension Capacity ($\phi_T T_n$):	1684.8	k - ACI318-05 - 10.2	
$T_u/\phi_T T_n$:	0.00	Result: OK	
Design Compression (P_u):	94.8	k	
Nominal Compression Capacity ($\phi_P P_n$):	8393.0	k - ACI318-05 - 10.3.6.2	
$P_u/\phi_P P_n$:	0.01	Result: OK	

Sprint

AMERICAN TOWER CORPORATION

PROJECT:	2.5 EQUIPMENT DEPLOYMENT
SITE NAME:	TURN OF THE RIVER
SITE CASCADE:	CT03XC345
SITE NUMBER:	302515
SITE ADDRESS:	268 TURN OF THE RIVER RD STAMFORD, CT 06905
SITE TYPE:	MONOPOLE
MARKET:	SOUTHERN CONNECTICUT

SITE INFORMATION

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

LATITUDE (NAD83):
41° 06' 44.9994" N
41.1125°

LONGITUDE (NAD83):
73° 32' 18.5994" W
-73.5385°

COUNTY:
FAIRFEILD

ZONING JURISDICTION:
TBD

ZONING DISTRICT:
TBD

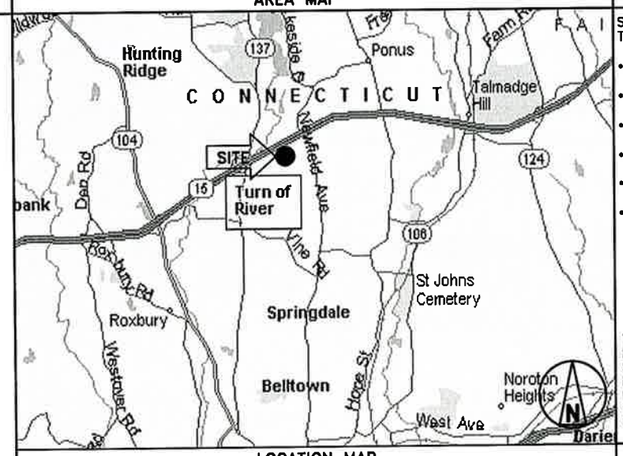
POWER COMPANY:
CONNECTICUT LIGHT & POWER
(800) 286-2000

AAV PROVIDER:
AT&T
(800) 246-2020

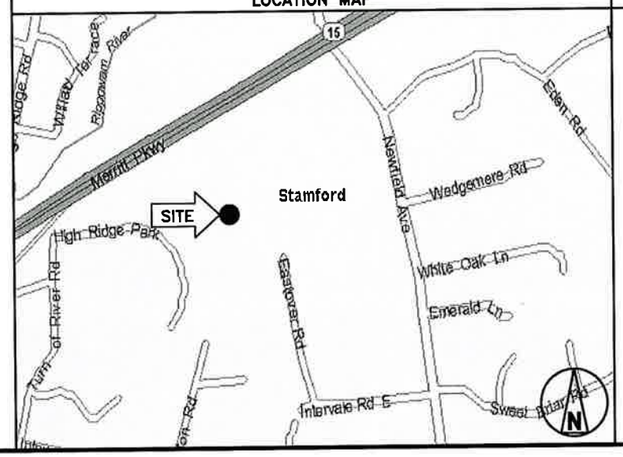
SPRINT CM:
GARY WOOD
(860) 940-9168
GARY.WOOD@SPRINT.COM

AMERICAN TOWER CM:
JON RODGERS
OFFICE: (781) 926-7855
MOBILE: (617) 839-5143
jon.rodgers@americantower.com

AREA MAP



LOCATION MAP



PROJECT DESCRIPTION

SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY.

- INSTALL (3) PANEL ANTENNAS
- INSTALL (3) RRU'S TO TOWER
- INSTALL (27) JUMPER CABLES
- INSTALL (1) HYBRID CABLE
- INSTALL 2.5 EQUIPMENT IN EXISTING N.V. MMBS CABINET
- INSTALL (8) NEW BATTERIES IN EXISTING ALU BBU 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.

1. INTERNATIONAL BUILDING CODE (2012 IBC)
2. TIA-EIA-222-F OR LATEST EDITION
3. NFPA 780 – LIGHTNING PROTECTION CODE
4. 2011 NATIONAL ELECTRIC CODE OR LATEST EDITION
5. ANY OTHER NATIONAL OR LOCAL APPLICABLE CODES, MOST RECENT EDITIONS
6. CT BUILDING CODE
7. LOCAL BUILDING CODE
8. CITY/COUNTY ORDINANCES

811 Know what's **below.** **Call** before you dig. www.call811.com

DRAWING INDEX

SHEET NO.	SHEET TITLE	REV.
T-1	TITLE SHEET & PROJECT DATA	0
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 & 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

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

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

SITE NAME:
TURN OF THE RIVER

SITE CASCADE:
CT03XC345

SITE ADDRESS:
268 TURN OF THE RIVER RD
STAMFORD, CT 06905

SHEET DESCRIPTION:
TITLE SHEET
& PROJECT DATA

SHEET NUMBER:
T-1

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:

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:

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

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

SITE NAME:

TURN OF THE RIVER

SITE CASCADE:

CT03XC345

SITE ADDRESS:

268 TURN OF THE RIVER RD
STAMFORD, CT 06905

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).
14. SITE CONSTRUCTION PROGRESS PHOTOS UNLOADED INTO SMS.

SECTION 01 400 – SUBMITTALS & TESTS

PART 1 – GENERAL

1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

1.2 RELATED DOCUMENTS:

A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.

B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

1.3 SUBMITTALS:

A. THE WORK IN ALL ASPECTS SHALL COMPLY WITH THE CONSTRUCTION DRAWINGS AND THESE SPECIFICATIONS.

B. SUBMIT THE FOLLOWING TO COMPANY REPRESENTATIVE FOR APPROVAL.

1. CONCRETE MIX-DESIGNS FOR TOWER FOUNDATIONS, ANCHORS PIERS, AND CONCRETE PAVING.
2. CONCRETE BREAK TESTS AS SPECIFIED HEREIN.
3. SPECIAL FINISHES FOR INTERIOR SPACES, IF ANY.
4. ALL EQUIPMENT AND MATERIALS SO IDENTIFIED ON THE CONSTRUCTION DRAWINGS.
5. CHEMICAL GROUNDING DESIGN

D. ALTERNATES: AT THE COMPANY'S REQUEST, ANY ALTERNATIVES TO THE MATERIALS OR METHODS SPECIFIED SHALL BE SUBMITTED TO SPRINT'S CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO BEING SHIPPED TO SITE. SPRINT WILL REVIEW AND APPROVE ONLY THOSE REQUESTS MADE IN WRITING. NO VERBAL APPROVALS WILL BE CONSIDERED. SUBMITTAL FOR APPROVAL SHALL INCLUDE A STATEMENT OF COST REDUCTION PROPOSED FOR USE OF ALTERNATE PRODUCT.

1.4 TESTS AND INSPECTIONS:

A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.

B. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. COAX SWEEPS AND FIBER TESTS PER TS-0200 REV 4 ANTENNA LINE ACCEPTANCE STANDARDS.
2. AGL, AZIMUTH AND DOWNTILT USING ELECTRONIC COMMERCIAL MADE-FOR-THE-PURPOSE ANTENNA ALIGNMENT TOOL.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.

C. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING;

1. AZIMUTH, DOWNTILT, AGL – UPLOAD REPORT FROM ANTENNA ALIGNMENT TOOL TO SITERRA TASK 465. INSTALLED AZIMUTH, DOWNTILT, AND AGL MUST CONFORM TO THE RF DATA SHEETS. SWEEP AND FIBER TESTS
2. SCANABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
3. ALL AVAILABLE JURISDICTIONAL INFORMATION
4. PDF SCAN OF REDLINES PRODUCED IN FIELD
5. ELECTRONIC AS-BUILT DRAWINGS IN AUTOCAD AND PDF FORMATS. ANY FIELD CHANGE MUST BE REFLECTED BY MODIFYING THE PLANS, ELEVATIONS, AND DETAILS IN THE DRAWING SETS. GENERAL NOTES INDICATING MODIFICATIONS WILL NOT BE ACCEPTED. CHANGES SHALL BE HIGHLIGHTED AS "CLOUDS" IDENTIFIED AS THE "AS-BUILT" CONDITION.
6. LIEN WAIVERS
7. FINAL PAYMENT APPLICATION
8. REQUIRED FINAL CONSTRUCTION PHOTOS
9. CONSTRUCTION AND COMMISSIONING CHECKLIST COMPLETE WITH NO DEFICIENT ITEMS
10. ALL POST NTP TASKS INCLUDING DOCUMENT UPLOADS COMPLETED IN SITERRA (SPRINTS DOCUMENT REPOSITORY OF RECORD).

1.5 COMMISSIONING: PERFORM ALL COMMISSIONING AS REQUIRED BY APPLICABLE MOPs

1.6 INTEGRATION: PERFORM ALL INTEGRATION ACTIVITIES AS REQUIRED BY APPLICABLE MOPs

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

3.1 REQUIREMENTS FOR TESTING:

A. THIRD PARTY TESTING AGENCY:

1. WHEN THE USE OF A THIRD PARTY INDEPENDENT TESTING AGENCY IS REQUIRED, THE AGENCY THAT IS SELECTED MUST PERFORM SUCH WORK ON A REGULAR BASIS IN THE STATE WHERE THE PROJECT IS LOCATED AND HAVE A THOROUGH UNDERSTANDING OF LOCAL AVAILABLE MATERIALS, INCLUDING THE SOIL, ROCK, AND GROUNDWATER CONDITIONS.
2. THE THIRD PARTY TESTING AGENCY IS TO BE FAMILIAR WITH THE APPLICABLE REQUIREMENTS FOR THE TESTS TO BE DONE, EQUIPMENT TO BE USED, AND ASSOCIATED HEALTH AND SAFETY ISSUES.
3. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASJTO, AND OTHER METHODS IS NEEDED.
4. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASJTO, 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:

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:

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

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

SITE NAME:

TURN OF THE RIVER

SITE CASCADE:

CT03XC345

SITE ADDRESS:

268 TURN OF THE RIVER RD
STAMFORD, CT 06905

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. 1SHELTER 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.

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JOB NUMBER 340-000

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BOSTON, MA 02116

ENGINEERING LICENSE:

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

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

SITE NAME:

TURN OF THE RIVER

SITE CASCADE:

CT03XC345

SITE ADDRESS:

268 TURN OF THE RIVER RD
STAMFORD, CT 06905

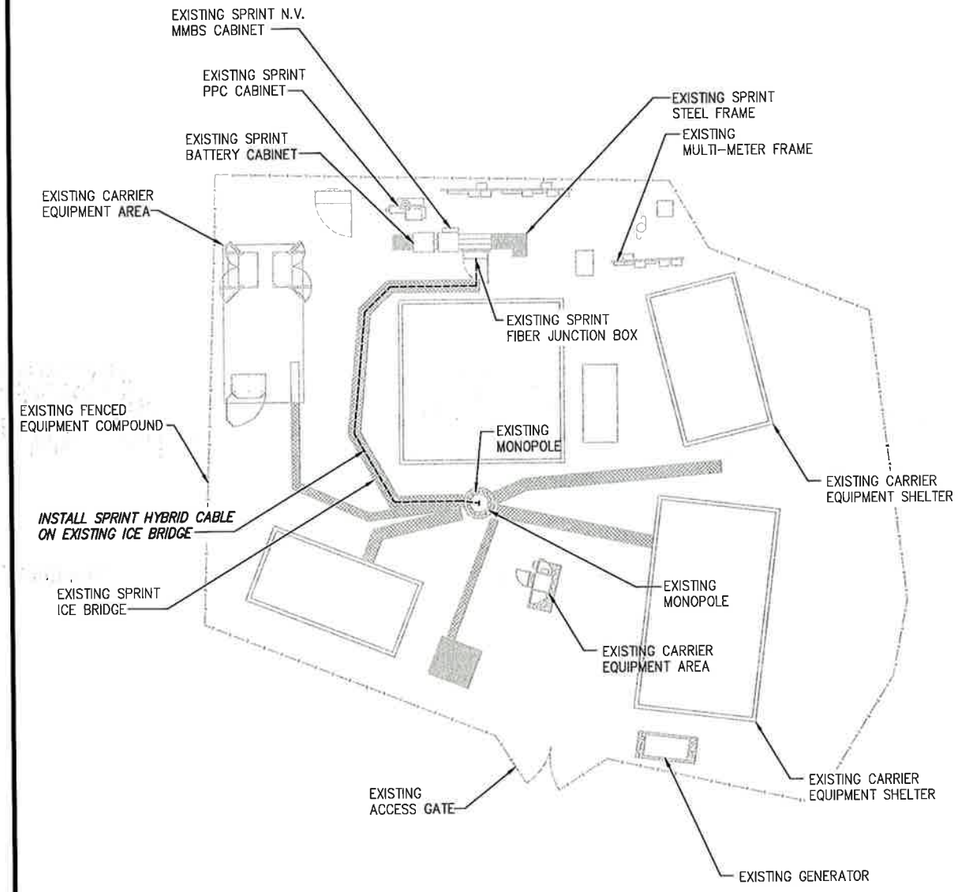
SHEET DESCRIPTION:

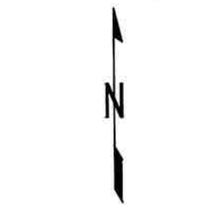
SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-3

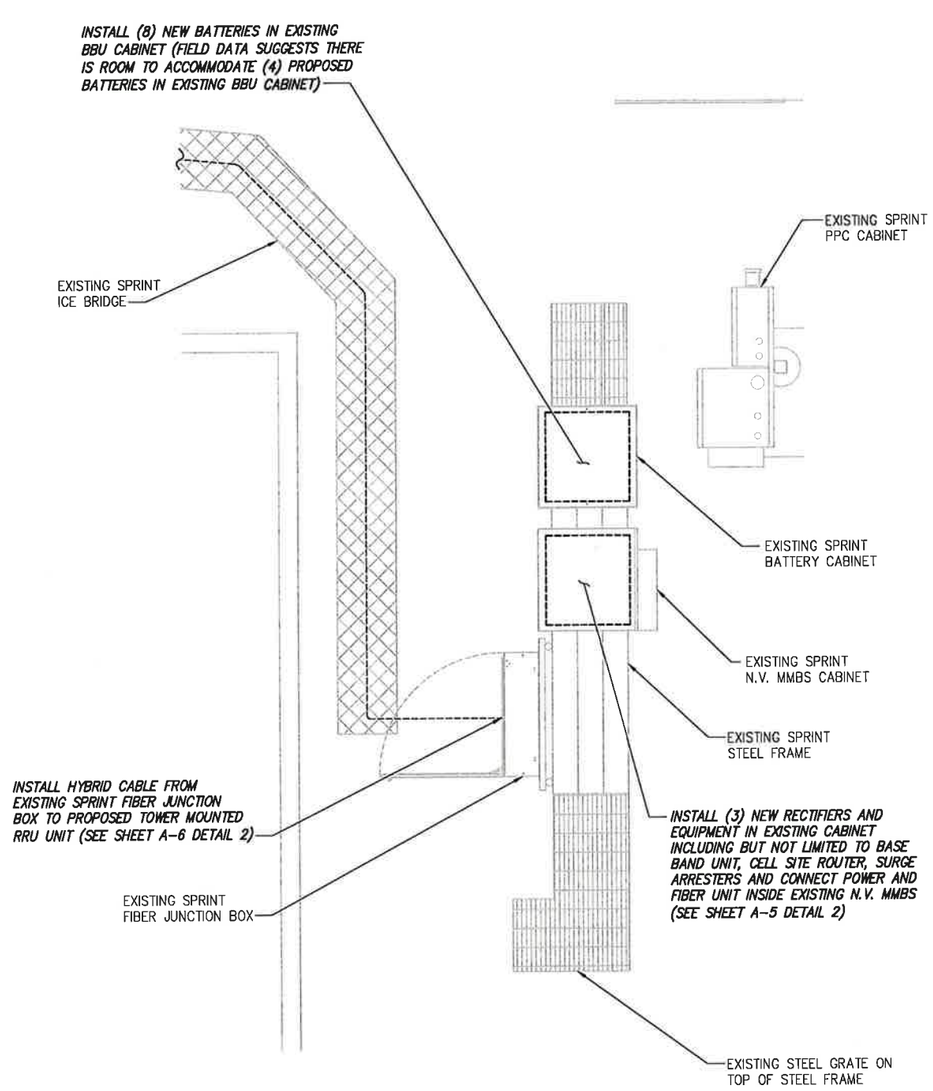
INFORMATION CONTAINED WITHIN DRAWINGS ARE BASED ON PROVIDED INFORMATION AND ARE NOT THE RESULT OF A FIELD SURVEY.

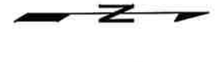




2.5' 0 2.5' 5' 10'
(IN FEET)
SCALE: 24"x36" SHEET 1" = 5'-0"
SCALE: 11"x17" SHEET 1" = 10'-0"

OVERALL SITE PLAN | NO SCALE | 1





1' 0 1' 2' 4'
(IN FEET)
SCALE: 24"x36" SHEET 1" = 2'-0"
SCALE: 11"x17" SHEET 1" = 4'-0"

SPRINT EQUIPMENT PLAN | NO SCALE | 2

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:

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

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

SITE NAME:
TURN OF THE RIVER

SITE CASCADE:
CT03XC345

SITE ADDRESS:
268 TURN OF THE RIVER RD
STAMFORD, CT 06905

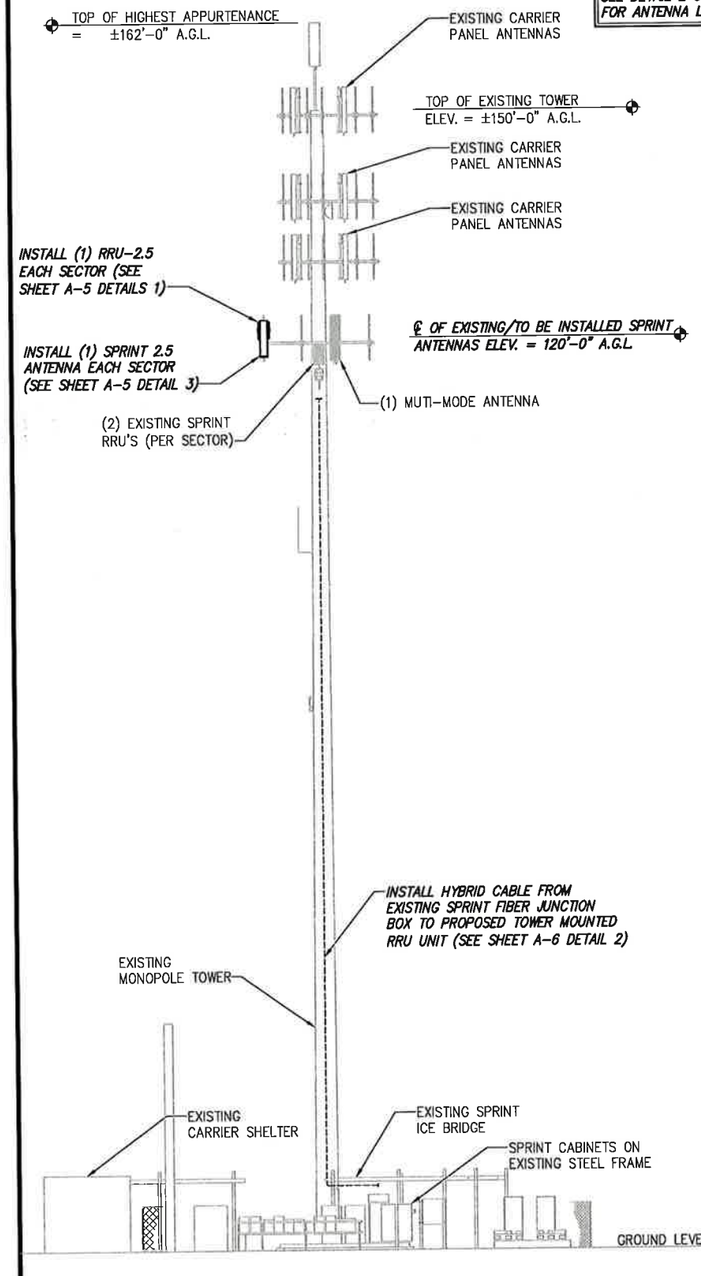
SHEET DESCRIPTION:
SITE PLAN

SHEET NUMBER:
A-1

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

NOTE:
BASED ON THE ANALYSIS PROVIDED BY AMERICAN TOWER CORPORATION, DATED 12/5/13. 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:
SEE DETAIL 2 ON A-3 FOR ANTENNA LAYOUT



TOWER ELEVATION | NO SCALE | 1

DETAIL NOT USED | NO SCALE | 2

DETAIL NOT USED | NO SCALE | 3

DETAIL NOT USED | NO SCALE | 4

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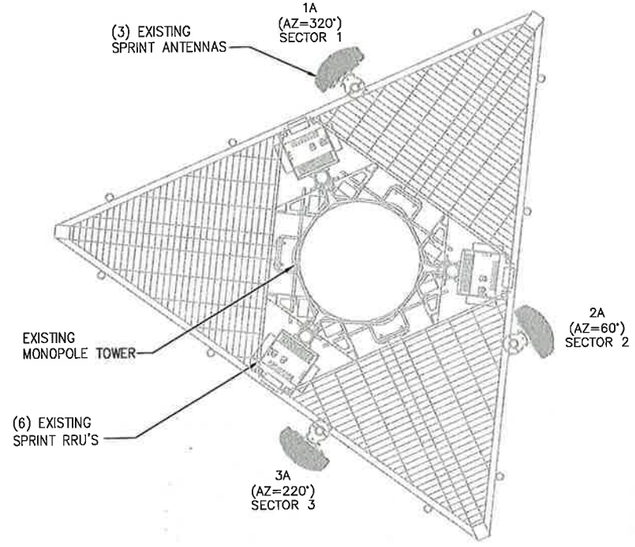
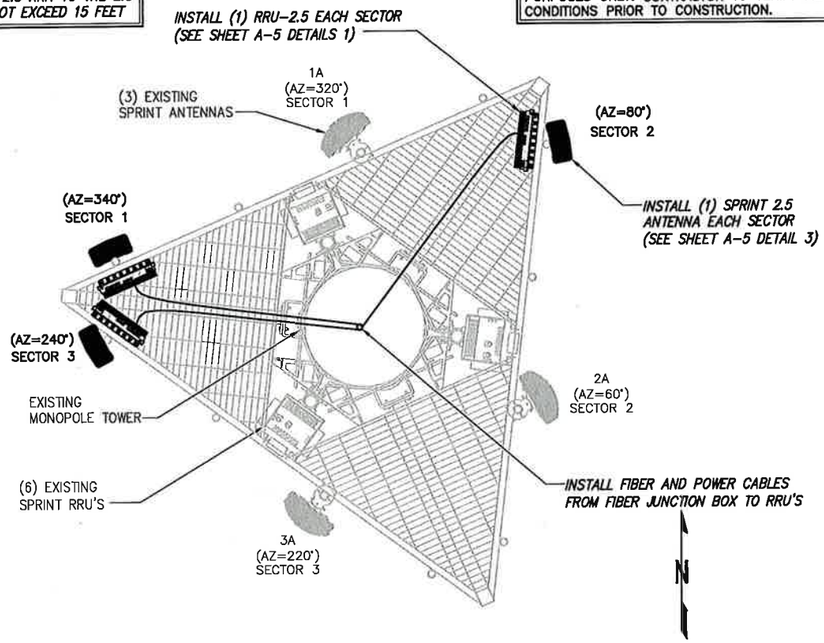
268 TURN OF THE RIVER RD
STAMFORD, CT 06905

SHEET DESCRIPTION:
TOWER ELEVATION & CABLE PLAN

SHEET NUMBER:
A-2

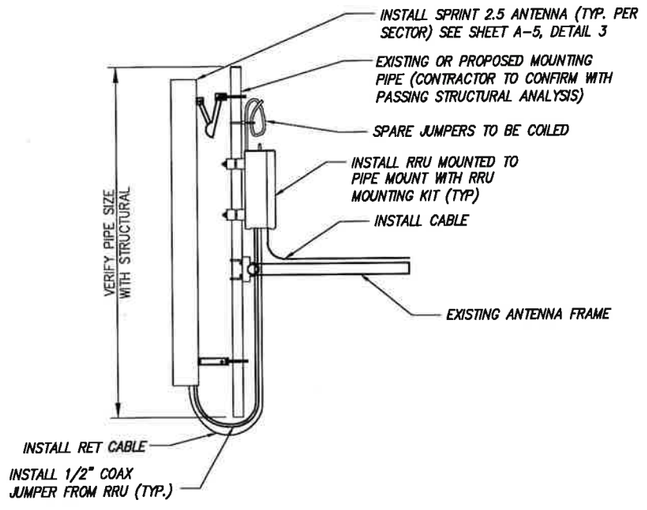


EXISTING ANTENNA & RRU LAYOUT | NO SCALE | 1



FINAL ANTENNA LAYOUT | NO SCALE | 2

DETAIL NOT USED | NO SCALE | 3



NOTES:

1. CUT DC CONDUCTORS TO LENGTH.
2. COIL FIBER CABLE AND SECURE AT SIDE OF RRU.
3. DO NO 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

TYPICAL ANTENNA & RRU MOUNTING DETAILS | NO SCALE | 4

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SHEET DESCRIPTION:

ANTENNA LAYOUT
& MOUNTING DETAILS

SHEET NUMBER:

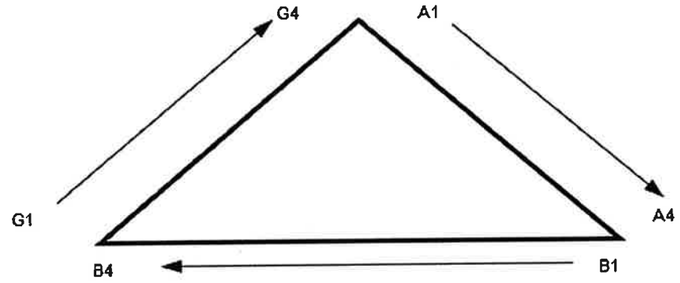
A-3

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

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

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

Figure 1: Antenna Orientation



NOTES:

1. ALL CABLES SHALL BE MARKED WITH 2" WIDE, UV STABILIZED, UL APPROVED TAPE.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. HFC "MAIN TRUNK" WILL NOT BE MARKED WITH THE FREQUENCY CODES, AS IT CONTAINS ALL FREQUENCIES.
8. 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
1	2	Blue	No Tape	No Tape
1	3	Brown	No Tape	No Tape
1	4	White	No Tape	No Tape
1	5	Red	No Tape	No Tape
1	6	Grey	No Tape	No Tape
1	7	Purple	No Tape	No Tape
1	8	Orange	No Tape	No Tape
2 Beta	1	Green	Green	No Tape
2	2	Blue	Blue	No Tape
2	3	Brown	Brown	No Tape
2	4	White	White	No Tape
2	5	Red	Red	No Tape
2	6	Grey	Grey	No Tape
2	7	Purple	Purple	No Tape
2	8	Orange	Orange	No Tape
3 Gamma	1	Green	Green	Green
3	2	Blue	Blue	Blue
3	3	Brown	Brown	Brown
3	4	White	White	White
3	5	Red	Red	Red
3	6	Grey	Grey	Grey
3	7	Purple	Purple	Purple
3	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	PPL

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

Example – Sector 2, Cable 2, 800mhz Radio #1

Example – Sector 3, Cable 1, 1900mhz Radio #1

Example – Sector 1, Cable 4, 800 mhz Radio #1 and 1900mhz Radio #1

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:

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

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

SITE NAME:

TURN OF THE RIVER

SITE CASCADE:

CT03XC345

SITE ADDRESS:

268 TURN OF THE RIVER RD
STAMFORD, CT 06905

SHEET DESCRIPTION:

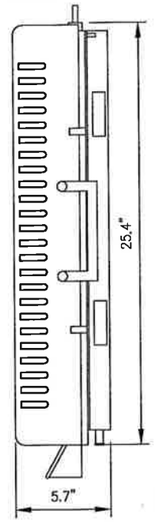
COLOR CODING AND NOTES

SHEET NUMBER:

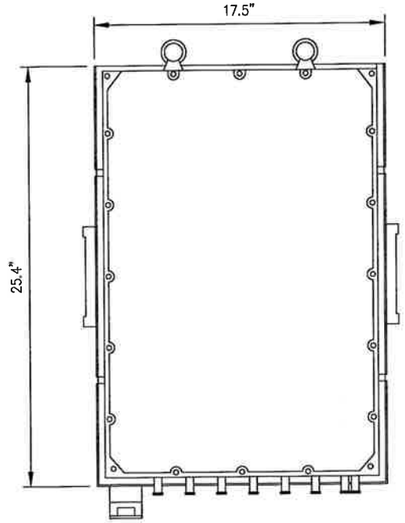
A-4

RRU: ALCATEL LUCENT TD-RRH8X20

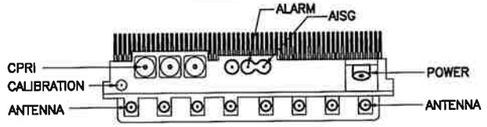
COLOR: LIGHT GREY
WEIGHT: 70 LBS.



SIDE VIEW



FRONT VIEW

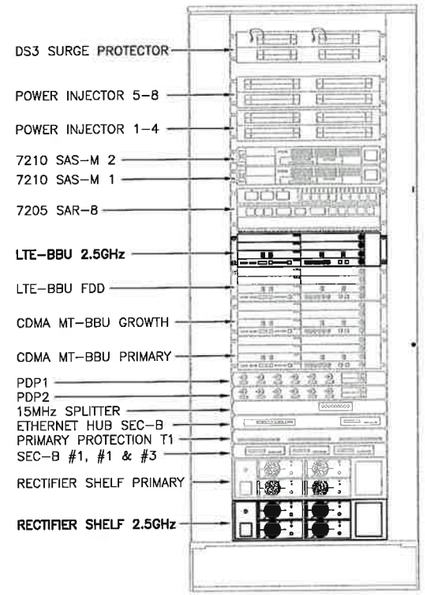


PLAN VIEW

NOTES

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

2.5 RRU'S | NO SCALE | 1

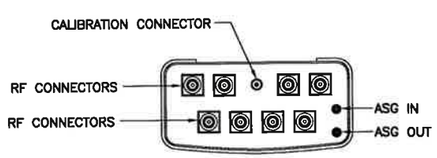


FRONT VIEW

NEW EQUIPMENT IN EXISTING CABINET | NO SCALE | 2

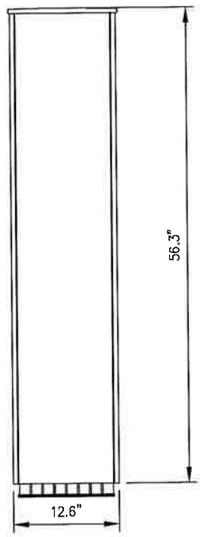
ANTENNA: RFS APXVTM14-C-I20

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

2.5 ANTENNA | NO SCALE | 3

DETAIL NOT USED | NO SCALE | 4

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
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BOSTON, MA 02116

ENGINEERING LICENSE:

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

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

SITE NAME:
TURN OF THE RIVER

SITE CASCADE:
CT03XC345

SITE ADDRESS:
268 TURN OF THE RIVER RD
STAMFORD, CT 06905

SHEET DESCRIPTION:
EQUIPMENT & MOUNTING DETAILS

SHEET NUMBER:
A-5

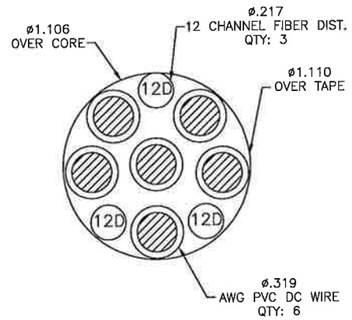
RFS HYBRIFLEX RISER CABLE SCHEDULE

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

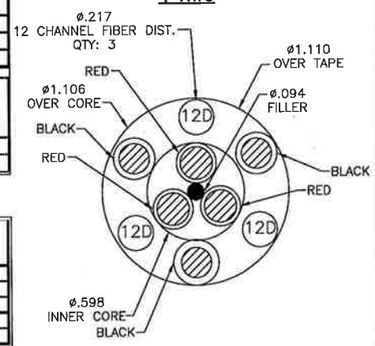
RFS HYBRIFLEX JUMPER CABLE SCHEDULE

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

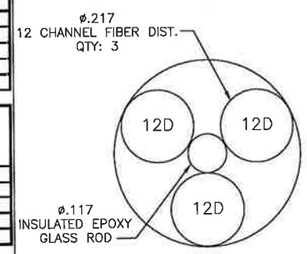
NOTE:
SPRINT CM TO CONFIRM HYBRID OR FIBER RISER CABLE AND HYBRID OR FIBER JUMPER CABLE MODEL NUMBERS IF HYBRID CABLES ARE REQUIRED BEFORE PREPARING BOM.



4 AWG

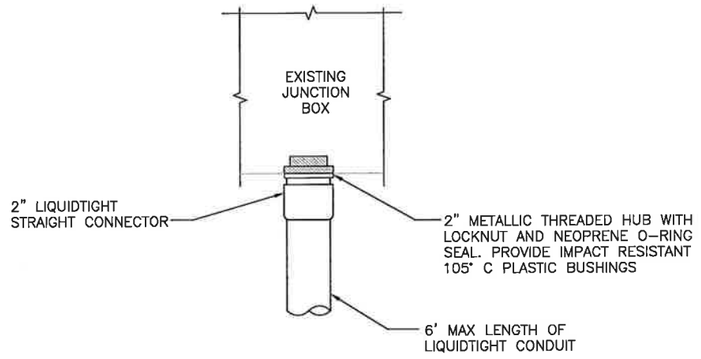


8 & 6 AWG



FIBER ONLY

2.5 CABLE CROSS SECTION DATA | NO SCALE | 1



FIBER JUNCTION BOX PENETRATION | NO SCALE | 2

DETAIL NOT USED | NO SCALE | 3

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JOB NUMBER 340-000

MLA PARTNER:
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BOSTON, MA 02116

ENGINEERING LICENSE:
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JOHN S. STEVENS
No. 24705
LICENSED PROFESSIONAL ENGINEER

DRAWING NOTICE:

REVISIONS:

DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

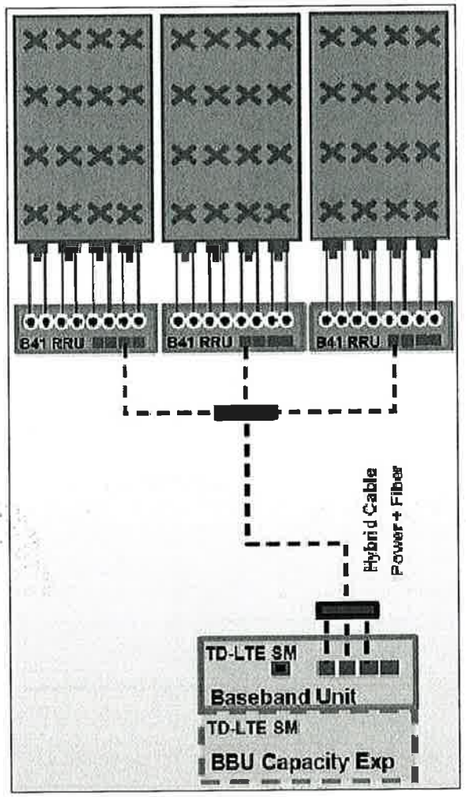
SITE NAME:
TURN OF THE RIVER

SITE CASCADE:
CT03XC345

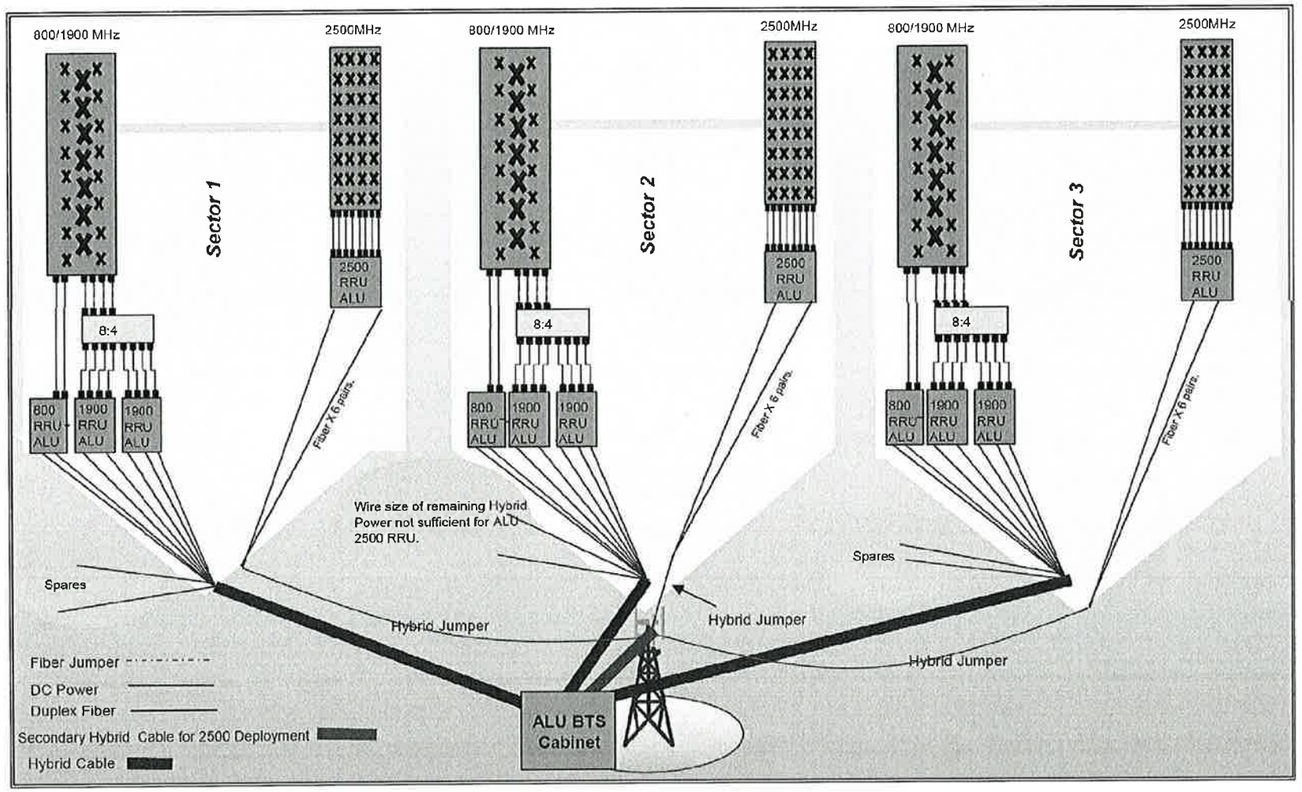
SITE ADDRESS:
268 TURN OF THE RIVER RD
STAMFORD, CT 06905

SHEET DESCRIPTION:
CIVIL DETAILS

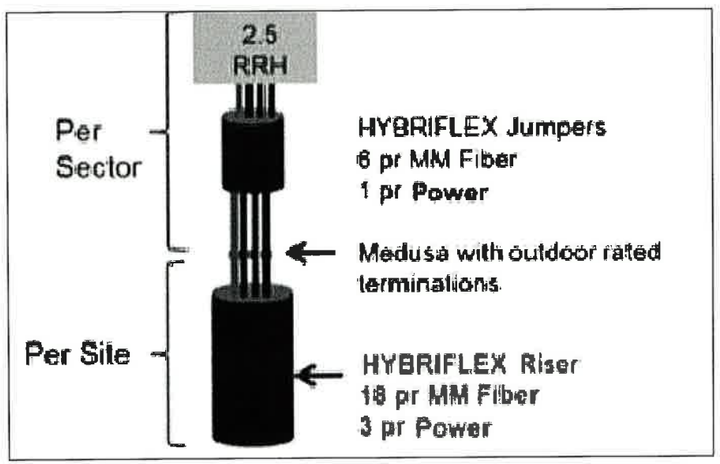
SHEET NUMBER:
A-6



ALU 2.5 ALU SCENARIO 1



RAN WIRING DIAGRAM



RF 2.5 ALU SCENARIO 1

PLUMBING DIAGRAM | NO SCALE | 1

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Sprint
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Overland Park, Kansas 66251

PLANS PREPARED BY:

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JOB NUMBER 340-000

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DESCRIPTION	DATE	BY	REV
ISSUED FOR CONSTRUCTION	02/21/14	JDV	0

SITE NAME:

TURN OF THE RIVER

SITE CASCADE:

CT03XC345

SITE ADDRESS:

268 TURN OF THE RIVER RD
STAMFORD, CT 06905

SHEET DESCRIPTION:

PLUMBING DIAGRAM

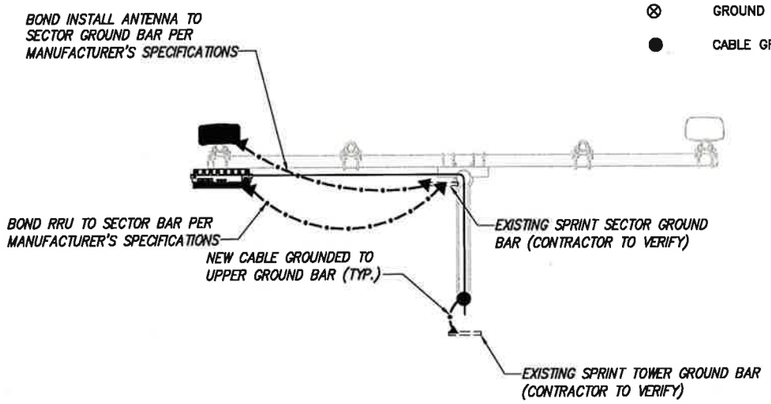
SHEET NUMBER:

A-7

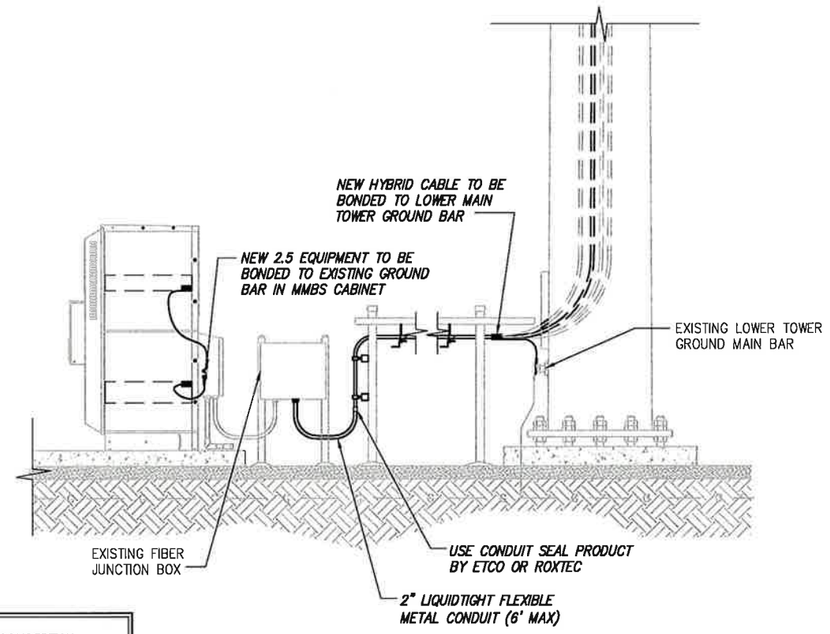
DETAIL NOT USED | NO SCALE | 1

LEGEND:

- G — EXISTING GROUND RING
- ■ CADWELD CONNECTION (EXOTHERMIC WELD)
- ▲ MECHANICAL CONNECTION
- ⊗ GROUND ROD
- ● CABLE GROUND KIT



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:

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SITE CASCADE:

CT03XC345

SITE ADDRESS:

268 TURN OF THE RIVER RD
STAMFORD, CT 06905

SHEET DESCRIPTION:

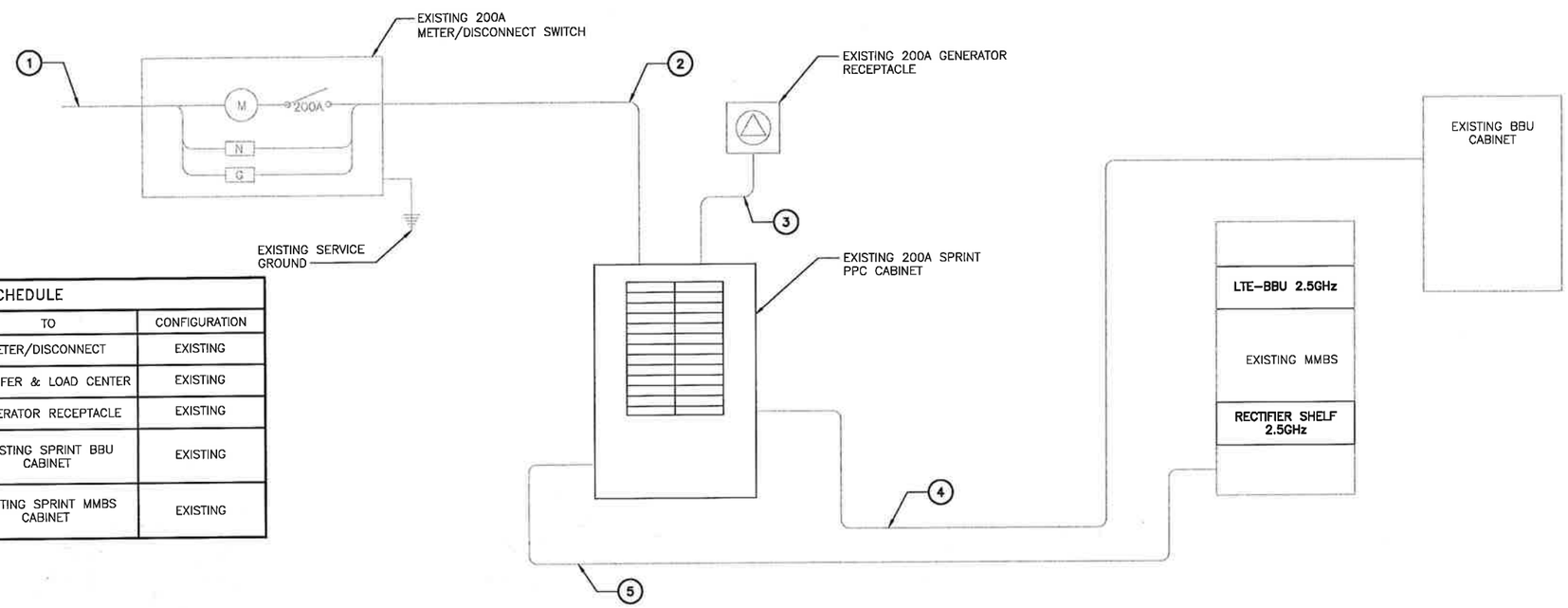
ELECTRICAL & GROUNDING PLAN

SHEET NUMBER:

E-1

NOTES

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

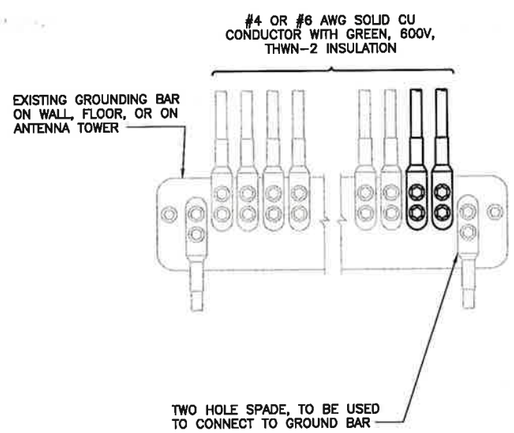


CIRCUIT SCHEDULE

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

ELECTRICAL ONE–LINE DIAGRAM

NO SCALE | 1

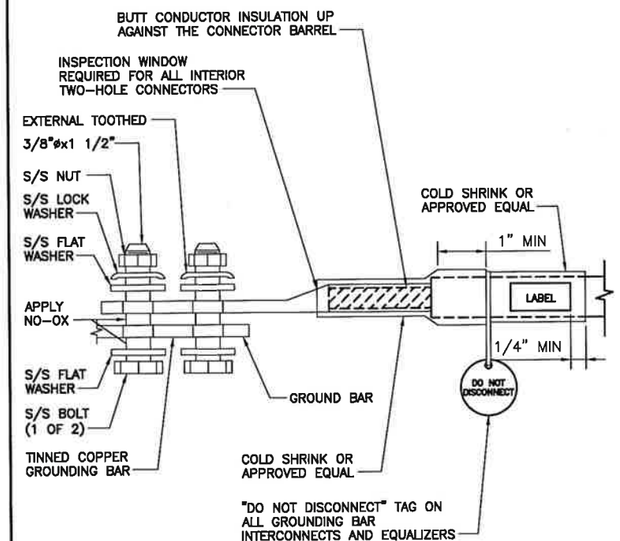


NOTES

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

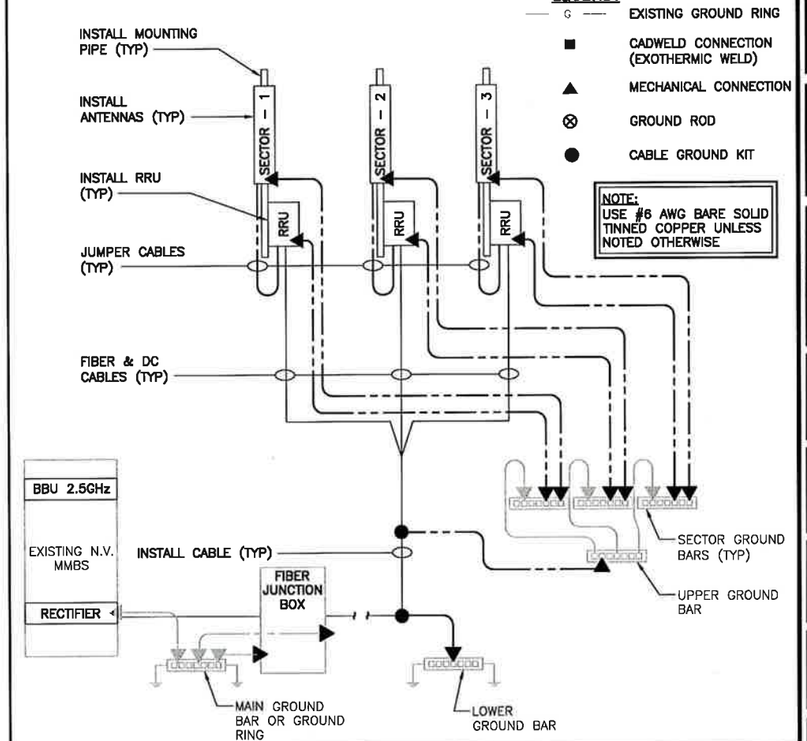
INSTALLATION OF GROUNDING CONDUCTOR TO GROUNDING BAR

NO SCALE | 2



TWO HOLE LUG

NO SCALE | 3



NO SCALE | 4

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Sprint

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JOB NUMBER 340–090

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STAMFORD, CT 06905

SHEET DESCRIPTION:

ELECTRICAL & GROUNDING DETAILS

SHEET NUMBER:

E-2