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Also admitted in Massachusetts

March 12, 2014

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

Re: **Notice of Exempt Modification – Facility Modification
20 Post Office Lane, Westport, Connecticut**

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains twelve (12) wireless telecommunications antennas at the 100-foot level of the existing 142-foot tower at 20 Post Office Lane in Westport, Connecticut (the “Property”). The tower is owned by American Tower Corporation. The Council approved Cellco’s use of the existing tower in 1998. Cellco now intends to modify its facility by replacing six (6) of its existing antennas with three (3) model BXA-70080-6CF, 850 MHz antennas and three (3) model BXA-171063-12CF, 2100 MHz antennas, at the same 100-foot level on the tower. Cellco also intends to install three (3) remote radio heads (“RRHs”) behind its 2100 MHz antennas and one (1) HYBRIFLEX™ antenna cable inside the monopole. Included in Attachment 1 are specifications for Cellco’s replacement antennas, RRHs and HYBRIFLEX™ cable.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to James Marpe, First Selectman for the Town of Westport. The Town of Westport is the owner of the Property.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).



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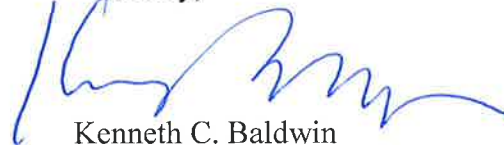
ROBINSON & COLE_{LLP}

Melanie A. Bachman
March 12, 2014
Page 2

1. The proposed modifications will not result in an increase in the height of the existing tower. The replacement antennas and RRHs will be located at the 100-foot level on the 142-foot tower.
2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the modified facility will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative worst-case RF emissions calculation for Cellco's modified facility is included in Attachment 2.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The tower and its foundation can support Cellco's proposed modifications. (See Structural Analysis Report included in Attachment 3).

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

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

James Marpe, Westport First Selectman
Sandy M. Carter



ATTACHMENT 1

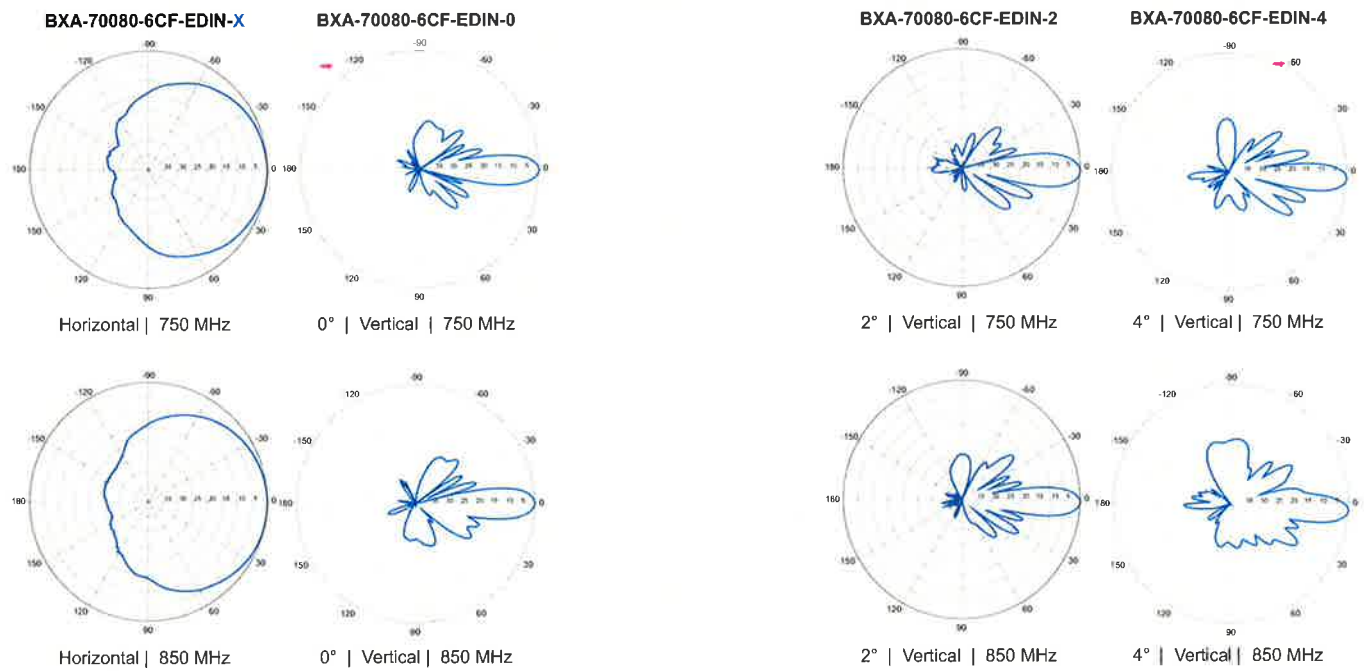
BXA-70080-6CF-EDIN-X

X-Pol | FET Panel | 80° | 13.5 dBd

Replace 'X' with desired electrical downtilt.

Antenna is also available with NE connector(s).
Replace 'EDIN' with 'NE' in the model number when ordering.

Electrical Characteristics	696-900 MHz		
Frequency bands	696-806 MHz	806-900 MHz	
Polarization	±45°		
Horizontal beamwidth	82°	80°	
Vertical beamwidth	12°	10°	
Gain	13.0 dBd (15.1 dBi)	13.5 dBd (15.6 dBi)	
Electrical downtilt (X)	0, 2, 4, 6, 8, 10		
Impedance	50Ω		
VSWR	≤1.35:1		
Upper sidelobe suppression (0°)	-18.3 dB	-18.6 dB	
Front-to-back ratio (+/-30°)	-26.9 dB	-25.6 dB	
Null fill	5% (-26.02 dB)		
Isolation between ports	< -30 dB		
Input power with EDIN connectors	500 W		
Input power with NE connectors	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1804 x 204 x 151 mm	71.0 x 8.0 x 5.9 in	
Depth with z-brackets	191 mm	7.5 in	
Weight without mounting brackets	8.2 kg	18 lbs	
Survival wind speed	> 201 km/hr	> 125 mph	
Wind area	Front: 0.37 m ² Side: 0.27 m ²	Front: 3.9 ft ² Side: 2.9 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 531 N Side: 475 N	Front: 119 lbf Side: 104 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
3-Point Mounting & Downtilt Bracket Kit	36210008	40-115 mm 1.57-4.5 in	6.9 kg 15.2 lbs
Concealment Configurations	For concealment configurations, order BXA-70080-6CF-EDIN-X-FP		

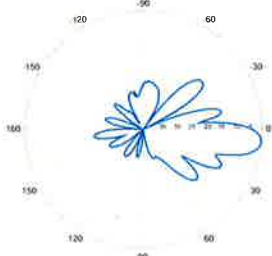


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-70080-6CF-EDIN-X

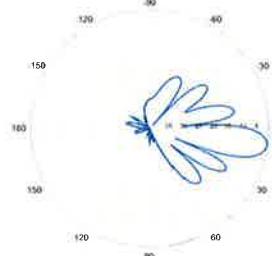
X-Pol | FET Panel | 80° | 13.5 dBd

BXA-70080-6CF-EDIN-6



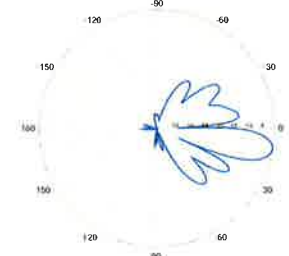
6° | Vertical | 750 MHz

BXA-70080-6CF-EDIN-8

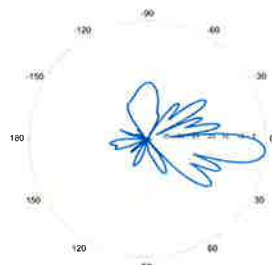


8° | Vertical | 750 MHz

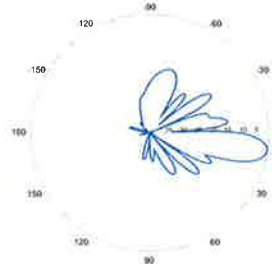
BXA-70080-6CF-EDIN-10



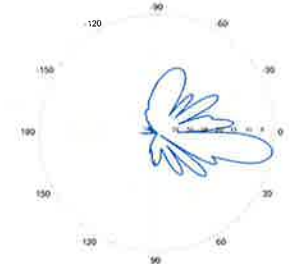
10° | Vertical | 750 MHz



6° | Vertical | 850 MHz



8° | Vertical | 850 MHz



10° | Vertical | 850 MHz

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BXA-171063-12CF-EDIN-X

X-Pol | FET Panel | 63° | 19.0 dBi

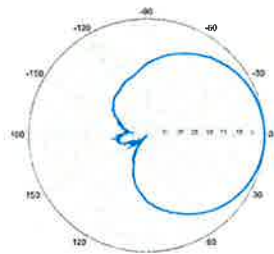
Replace 'X' with desired electrical downtilt

Antenna is also available with NE connector(s).
Replace 'EDIN' with 'NE' in the model number
when ordering.

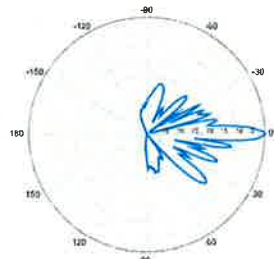
Electrical Characteristics		1710-2170 MHz			
Frequency bands		1710-1880 MHz	1850-1990 MHz	1920-2170 MHz	
Polarization		±45°	±45°	±45°	
Horizontal beamwidth		68°	65°	60°	
Vertical beamwidth		4.5°	4.5°	4.5°	
Gain		16.1 dBd / 18.2 dBi	16.5 dBd / 18.6 dBi	16.9 dBd / 19.0 dBi	
Electrical downtilt (X)		0, 2, 5			
Impedance		50Ω			
VSWR		≤1.5:1			
First upper sidelobe		< -17 dB			
Front-to-back ratio		> 30 dB			
In-band isolation		< -25 dB			
IM3 (20W carrier)		< -150 dBc			
Input power		300 W			
Lightning protection		Direct Ground			
Connector(s)		2 Ports / EDIN or NE / Female / Center (Back)			
Operating temperature		-40° to +60° C / -40° to +140° F			
Mechanical Characteristics					
Dimensions Length x Width x Depth		1842 x 154 x 105 mm	72.5 x 6.1 x 4.1 in		
Depth with z-brackets		133 mm	5.2 in		
Weight without mounting brackets		5.8 kg	12.8 lbs		
Survival wind speed		> 201 km/hr	> 125 mph		
Wind area		Front: 0.28 m ² Side: 0.19 m ²	Front: 3.1 ft ² Side: 2.1 ft ²		
Wind load @ 161 km/hr (100 mph)		Front: 460 N Side: 304 N	Front: 103 lbf Side: 68 lbf		
Mounting Options		Part Number	Fits Pipe Diameter		Weight
2-Point Mounting Bracket Kit		26799997	50-102 mm	2.0-4.0 in	2.3 kg 5 lbs
2-Point Mounting & Downtilt Bracket Kit		26799999	50-102 mm	2.0-4.0 in	3.6 kg 8 lbs
Concealment Configurations	For concealment configurations, order BXA-171063-12CF-EDIN-X-FP				



BXA-171063-12CF-EDIN-X

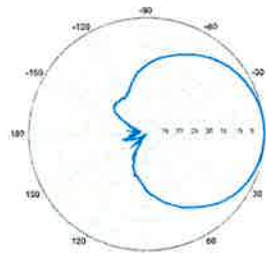


Horizontal | 1710-1880 MHz
BXA-171063-12CF-EDIN-0

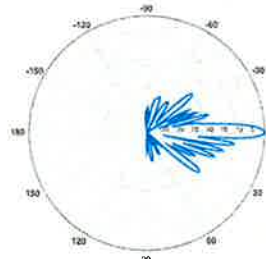


0° | Vertical | 1710-1880 MHz

BXA-171063-12CF-EDIN-X

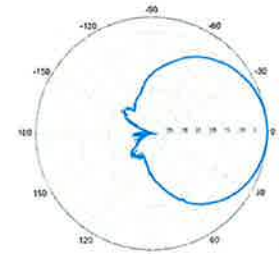


Horizontal | 1850-1990 MHz
BXA-171063-12CF-EDIN-0

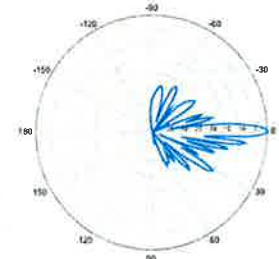


0° | Vertical | 1850-1990 MHz

BXA-171063-12CF-EDIN-X



Horizontal | 1920-2170 MHz
BXA-171063-12CF-EDIN-0



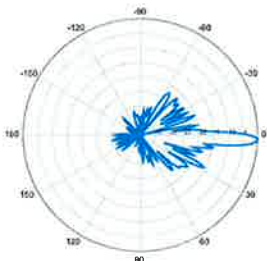
0° | Vertical | 1920-2170 MHz

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BXA-171063-12CF-EDIN-X

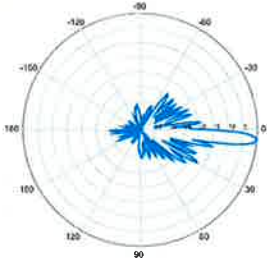
X-Pol | FET Panel | 63° | 19.0 dBi

BXA-171063-12CF-EDIN-2



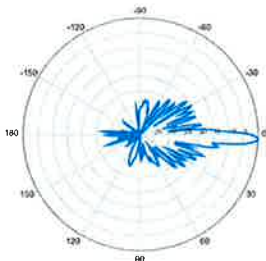
2° | Vertical | 1710-1880 MHz

BXA-171063-12CF-EDIN-5



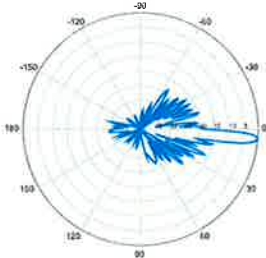
5° | Vertical | 1710-1880 MHz

BXA-171063-12CF-EDIN-2



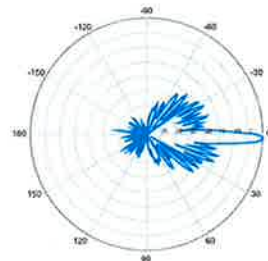
2° | Vertical | 1850-1990 MHz

BXA-171063-12CF-EDIN-5



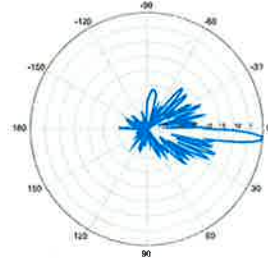
5° | Vertical | 1850-1990 MHz

BXA-171063-12CF-EDIN-2



2° | Vertical | 1920-2170 MHz

BXA-171063-12CF-EDIN-5



5° | Vertical | 1920-2170 MHz

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Alcatel-Lucent RRH2x40-AWS

REMOTE RADIO HEAD

The Alcatel-Lucent RRH2x40-AWS is a high-power, small form-factor Remote Radio Head (RRH) operating in the AWS frequency band (1700/2100MHz - 3GPP Band 4). The Alcatel-Lucent RRH2x40-AWS is designed with an eco-efficient approach, providing operators with the means to achieve high quality and capacity coverage with minimum site requirements.



A distributed eNodeB expands deployment options by using two components, a Base Band Unit (BBU) containing the digital assets and a separate RRH containing the radio-frequency (RF) elements. This modular design optimizes available space and allows the main components of an eNodeB to be installed separately, within the same site or several kilometres apart.

The Alcatel-Lucent RRH2x40-AWS is linked to the BBU by an optical-fiber connection carrying downlink and uplink digital radio signals along with operations, administration and maintenance (OA&M) information. The Alcatel-Lucent RRH2x40-AWS has two transmit RF paths, 40 W RF output power per transmit path, and is designed to manage up to four-way receive diversity. The device is ideally suited to support macro coverage, with multiple-input multiple-output (MIMO) 2x2 operation in up to 20 MHz of bandwidth.

The Alcatel-Lucent RRH2x40-AWS is designed to make available all the benefits of a distributed eNodeB, with excellent RF characteristics, with low

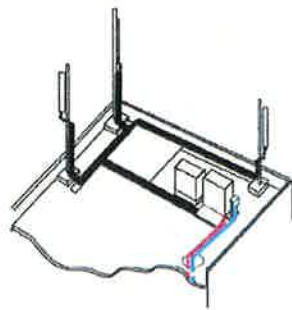
capital expenditures (CAPEX) and low operating expenditures (OPEX). The limited space available in some sites may prevent the installation of traditional single-cabinet BTS equipment or require costly cranes to be employed, leaving coverage holes. However, many of these sites can host an Alcatel-Lucent RRH2x40-AWS installation, providing more flexible site selection and improved network quality along with greatly reduced installation time and costs.

Fast, low-cost installation and deployment

The Alcatel-Lucent RRH2x40-AWS is a zero-footprint solution and operates noise-free, simplifying negotiations with site property owners and minimizing environmental impacts. Installation can easily be done by a single person because the Alcatel-Lucent RRH2x40-AWS is compact and weighs less than 20 kg (44 lb), eliminating the need for a crane to hoist the BTS cabinet to the rooftop. A site can be in operation in less than one day — a fraction of the time required for a traditional BTS.

Excellent RF performance

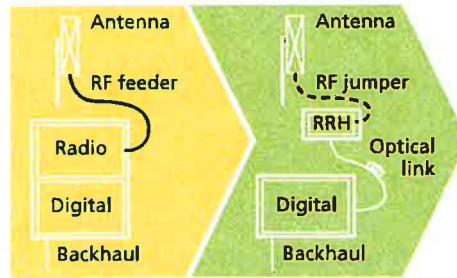
Because of its small size and weight, the Alcatel-Lucent RRH2x40-AWS can be installed close to the antenna. Operators can therefore locate the Alcatel-Lucent RRH2x40-AWS where RF engineering is deemed ideal, minimizing trade-offs between available sites and RF optimum sites. The RF feeder cost and installation costs are reduced or eliminated, and there is no need for a Tower Mounted Amplifier (TMA) because losses introduced by the RF feeder are greatly reduced. The Alcatel-Lucent RRH2x40-AWS provides more RF power while at the same time consuming less electricity.



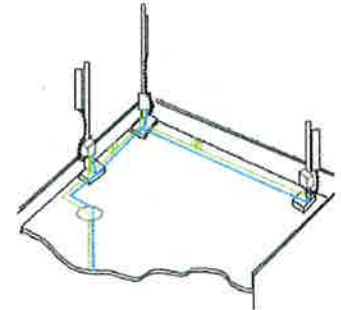
Macro

Features

- Zero-footprint deployment
- Easy installation, with a lightweight unit can be carried and set up by one person
- Optimized RF power, with flexible site selection and elimination of a TMA
- Convection-cooled (fanless)
- Noise-free
- Best-in-class power efficiency, with significantly reduced energy consumption



RRH for space-constrained cell sites



Distributed

Benefits

- Leverages existing real estate with lower site costs
- Reduces installation costs, with fewer installation materials and simplified logistics
- Decreases power costs and minimizes environmental impacts, with the potential for eco-sustainable power options
- Improves RF performance and adds flexibility to network planning

Technical specifications

Physical dimensions

- Height: 620 mm (24.4 in.)
- Width: 270 mm (10.63 in.)
- Depth: 170mm (6.7 in.)
- Weight (without mounting kit): less than 20 kg (44 lb)

Power

- Power supply: -48VDC

Operating environment

- Outdoor temperature range:
 - With solar load: -40°C to +50°C (-40°F to +122°F)
 - Without solar load: -40°C to +55°C (-40°F to +131°F)

- Passive convection cooling (no fans)
- Enclosure protection
 - IP65 (International Protection rating)

RF characteristics

- Frequency band: 1700/2100 MHz (AWS); 3GPP Band 4
- Bandwidth: up to 20 MHz
- RF output power at antenna port: 40 W nominal RF power for each Tx port
- Rx diversity: 2-way or 4-way with optional Rx Diversity module
- Noise figure: below 2.0 dB typical
- Antenna Line Device features
 - TMA and Remote electrical tilt (RET) support via AISG v2.0

Optical characteristics

Type/number of fibers

- Single-mode variant
 - One Single Mode Single Fiber per RRH2x, carrying UL and DL using CWDM
 - Single mode dual fiber (SM/DF)
- Multi-mode variant
 - Two Multi-mode fibers per RRH2x: one carrying UL, the other carrying DL

Optical fiber length

- Up to 500 m (0.31 mi), using MM fiber
- Up to 20 km (12.43 mi), using SM fiber

Digital Ports and Alarms

- Two optical ports to support daisy-chaining
- Six external alarms

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HYBRIFLEX™ RRH Hybrid Feeder Cabling Solution, 1-5/8", Single-Mode Fiber

Product Description

RFS' HYBRIFLEX Remote Radio Head (RRH) hybrid feeder cabling solution combines optical fiber and DC power for RRHs in a single lightweight aluminum corrugated cable, making it the world's most innovative solution for RRH deployments.

It was developed to reduce installation complexity and costs at Cellular sites. HYBRIFLEX allows mobile operators deploying an RRH architecture to standardize the RRH installation process and eliminate the need for and cost of cable grounding. HYBRIFLEX combines optical fiber (multi-mode or single-mode) and power in a single corrugated cable. It eliminates the need for junction boxes and can connect multiple RRHs with a single feeder. Standard RFS CELLFLEX® accessories can be used with HYBRIFLEX cable. Both pre-connectorized and on-site options are available.

Features/Benefits

- Aluminum corrugated armor with outstanding bending characteristics - minimizes installation time and enables mechanical protection and shielding
- Same accessories as 1 5/8" coaxial cable
- Outer conductor grounding - Eliminates typical grounding requirements and saves on installation costs
- Lightweight solution and compact design - Decreases tower loading
- Robust cabling - Eliminates need for expensive cable trays and ducts
- Installation of tight bundled fiber optic cable pairs directly to the RRH - Reduces CAPEX and wind load by eliminating need for interconnection
- Optical fiber and power cables housed in single corrugated cable - Saves CAPEX by standardizing RRH cable installation and reducing installation requirements
- Outdoor polyethylene jacket - Ensures long-lasting cable protection



Figure 1: HYBRIFLEX Series

Technical Specifications

Outer Conductor Armor	Corrugated Aluminum	(mm (in))	46.5 (1.83)
Jacket	Polyethylene, PE	(mm (in))	50.3 (1.98)
UV-Protection	Individual and External Jacket		Yes
Weight, Approximate		(kg/m (lb/ft))	1.9 (1.30)
Minimum Bending Radius, Single Bending		(mm (in))	200 (8)
Minimum Bending Radius, Repeated Bending		(mm (in))	500 (20)
Recommended/Maximum Clamp Spacing		(m (ft))	1.0 / 1.2 (3.25 / 4.0)
DC-Resistance Outer Conductor Armor		(Ω/km (Ω/1000ft))	0.68 (0.265)
DC-Resistance Power Cable, 8.4mm ² (8AWG)		(Ω/km (Ω/1000ft))	2.1 (0.307)
Version			Single-mode OM3
Quantity, Fiber Count			16 (8 pairs)
Core/Clad		(μm)	50/125
Primary Coating (Acrylate)		(μm)	245
Buffer Diameter, Nominal		(μm)	900
Secondary Protection, Jacket, Nominal		(mm (in))	2.0 (0.08)
Minimum Bending Radius		(mm (in))	104 (4.1)
Insertion Loss @ wavelength 850nm		dB/km	3.0
Insertion Loss @ wavelength 1310nm		dB/km	1.0
Standards (Meets or exceeds)			UL94-V0 UL1666 RoHS Compliant
Size (Power)		(mm (AWG))	8.4 (8)
Quantity, Wire Count (Power)			16 (8 pairs)
Size (Alarm)		(mm (AWG))	0.8 (18)
Quantity, Wire Count (Alarm)			4 (2 pairs)
Type			UV protected
Strands			19
Primary Jacket Diameter, Nominal		(mm (in))	6.8 (0.27)
Standards (Meets or exceeds)			NFPA 130, ICEA S-95-658 UL Type XHHW-2, UL 44 UL-LS Limited Smoke, UL VW-1 IEEE-383 (1974), IEEE1292/FT4 RoHS Compliant
Installation Temperature		(°C (°F))	-40 to +65 (-40 to 149)
Operation Temperature		(°C (°F))	-40 to +65 (-40 to 149)

* This data is provisional and subject to change

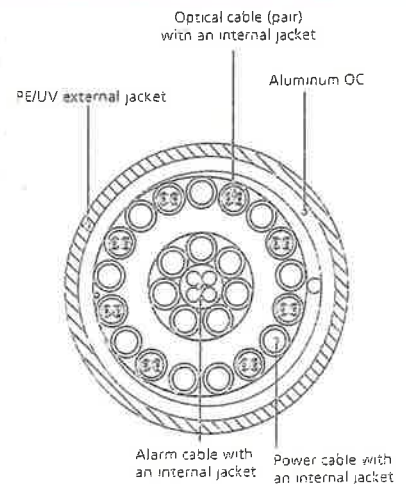


Figure 3: Construction Detail

All information contained in the present datasheet is subject to confirmation at time of ordering

ATTACHMENT 2

		General		Power		Density							
Site Name: Westport S													
Tower Height: Verizon @ 100t													
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total					
*AT&T UMTS	2	500	131	0.0210	880	0.5867	3.57%						
*AT&T UMTS	1	500	131	0.0105	1900	1.0000	1.05%						
*AT&T GSM	7	296	131	0.0434	880	0.5867	7.40%						
*AT&T GSM	3	427	131	0.0268	1900	1.0000	2.68%						
*AT&T LTE	1	500	131	0.0105	740	0.4933	2.12%						
*Enertrac			80	receive only - no RF emissions									
*MetroPCS	7	882	140	0.1133	2130	1.0000	11.33%						
*T-Mobile LTE	2	24	90	0.0021	2100	1.0000	0.21%						
*T-Mobile GSM/UMTS	2	12	90	0.0011	1950	1.0000	0.11%						
*T-Mobile UMTS	2	12	90	0.0011	2100	1.0000	0.11%						
*Clearwire	2	153	120	0.0076	2496	1.0000	0.76%						
*Sprint CDMA/LTE	3	778	120	0.0583	1962.5	1.0000	5.83%						
*Sprint CDMA/LTE	1	438	120	0.0109	850	0.5667	1.93%						
*Nextel	9	100	110	0.0267	851	0.5673	4.71%						
Verizon	15	459	100	0.2476	1970	1.0000	24.76%						
Verizon	9	330	100	0.1068	869	0.5793	18.43%						
Verizon	1	1750	100	0.0629	2145	1.0000	6.29%						
Verizon	1	719	100	0.0259	698	0.4653	5.56%		96.85%				
* Source: Siting Council													

ATTACHMENT 3



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 142 ft Monopole
ATC Site Name : WSPT - South, CT
ATC Site Number : 302511
Engineering Number : 54965222
Proposed Carrier : Verizon
Carrier Site Name : Westport South
Carrier Site Number : N/A
Site Location : 20 Post Office Lane
Westport, CT 06880-6226
41.123444,-73.313100
County : Fairfield
Date : February 24, 2014
Max Usage : 90%
Result : Pass

William Maynard, E.I.



Feb 25 2014 11:34 AM



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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 142 ft monopole to reflect the change in loading by Verizon.

Supporting Documents

Tower Drawings	EI Job #3502, dated March 2, 1998
Foundation Drawing	Walker Job #W0105-988RE, dated August 2, 2001
Geotechnical Report	MB&A Project #011105, dated July 17, 2001
Modifications	EI Project #11753, dated July 25, 2003 SpectraSite Drawing #CT-0047-M1, dated August 12, 2005 ATC Job #42046633, dated October 16, 2008 ATC Job #46844332/46993332, dated April 15, 2011

Analysis

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

Basic Wind Speed:	110 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
Structure Class:	II
Exposure Category:	B
Topographic Category:	1

Conclusion

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

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



Existing and Reserved Equipment

Mount Elev. ¹ (ft)	Qty.	Antenna	Mount Type	Lines	Carrier
136.0	3	Kathrein 742-218 / AP20-1940/045D/ADT/XP	Stand-Offs	(6) 1 5/8" Coax (1) 3/8" Coax	Metro PCS
	3	Generic RCU			
131.0	6	Powerwave 7770	Platform w/ Handrails	(12) 1 1/4" Coax (2) 0.65" 8 AWG 2C (1) 0.28" RG-6 (1) 3" Conduit	AT&T Mobility
	6	Powerwave LGP21401			
	6	Powerwave LGP219nn			
	3	Powerwave P65-16-XLH-RR			
	6	Ericsson RRUS 11			
	1	Raycap DC6-48-60-18-8F			
120.0	6	Decibel DB980H80E-M	Platform w/ Handrails	(6) 1 5/8" Coax (3) 1 1/4" Hybriflex	Sprint Nextel
	3	RFS APXVSP18-C-A20			
	3	Alcatel-Lucent 1900 MHz 4x45 RRH			
	3	Alcatel-Lucent 800 MHz 2X50W RRH w/ Filter			
	3	NextNet BTS-2500		(6) 5/16" Coax (2) 1/2" Coax (1) 2" Conduit	Clearwire
	2	DragonWave A-ANT-18G-2-C			
	2	DragonWave Horizon Compact			
	3	Argus LLPX310R			
110.0	3	72" x 12" Panel	Platform w/ Handrails	(12) 1 5/8" Coax	Sprint Nextel
	9	48" x 12" Panel			
100.0	3	Rymasa MGD3-800TX	Platform w/ Handrails	(12) 1 5/8" Coax	Verizon
	3	Allgon P65-16-XL-2			
	6	RFS FD9R6004/1C-3L			
90.0	4	RFS ATMAA1412D-1A20	Platform w/ Handrails	(14) 1 5/8" Coax (1) 1 1/4" Fiber	T-Mobile
	4	Ericsson AIR 21, 1.3M, B2A B4P			
	3	Ericsson AIR 21, 1.3M, B4A B2P			
80.0	2	Diamond X50A	Stand-Offs	(2) 1/2" Coax	Enertrac
70.0	1	PCTEL GPS-TMG-HR-26N	Stand-Off	(1) 1/2" Coax	Sprint Nextel

Proposed Equipment

Elevation ¹ (ft)		Qty.	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
100.0	100.0	3	Alcatel-Lucent RRH2x40-AWS	Platform w/ Handrails	(1) 1 5/8" Hybriflex	Verizon
		1	RFS DB-T1-6Z-8AB-OZ			
		3	Antel BXA-70080/6CF			
		3	Antel BXA-171063/12CF_2FP			

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

Install proposed coax inside the pole shaft.



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	59%	Pass
Shaft	90%	Pass
Base Plate	48%	Pass
Reinforcement	76%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	3,634.9
Axial (Kips)	82.7
Shear (Kips)	38.9

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) (°)
100.0	0.797	1.044

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



Standard Conditions

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

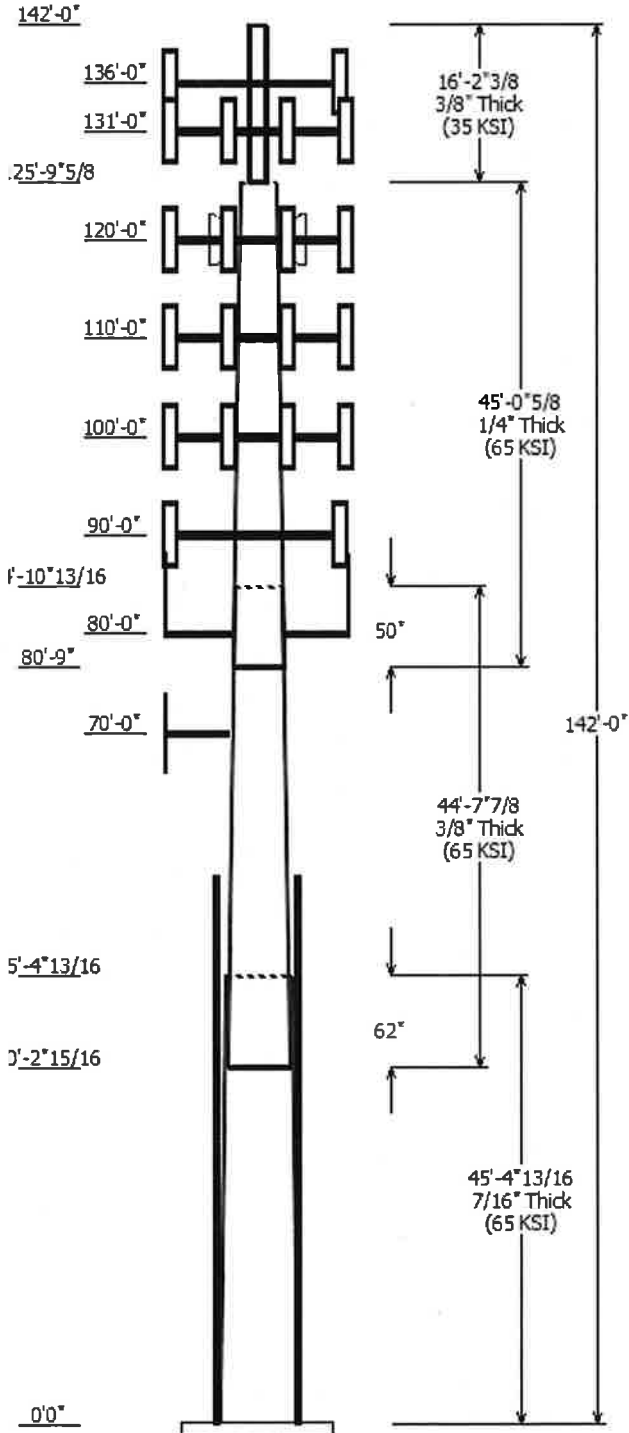
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

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

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

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

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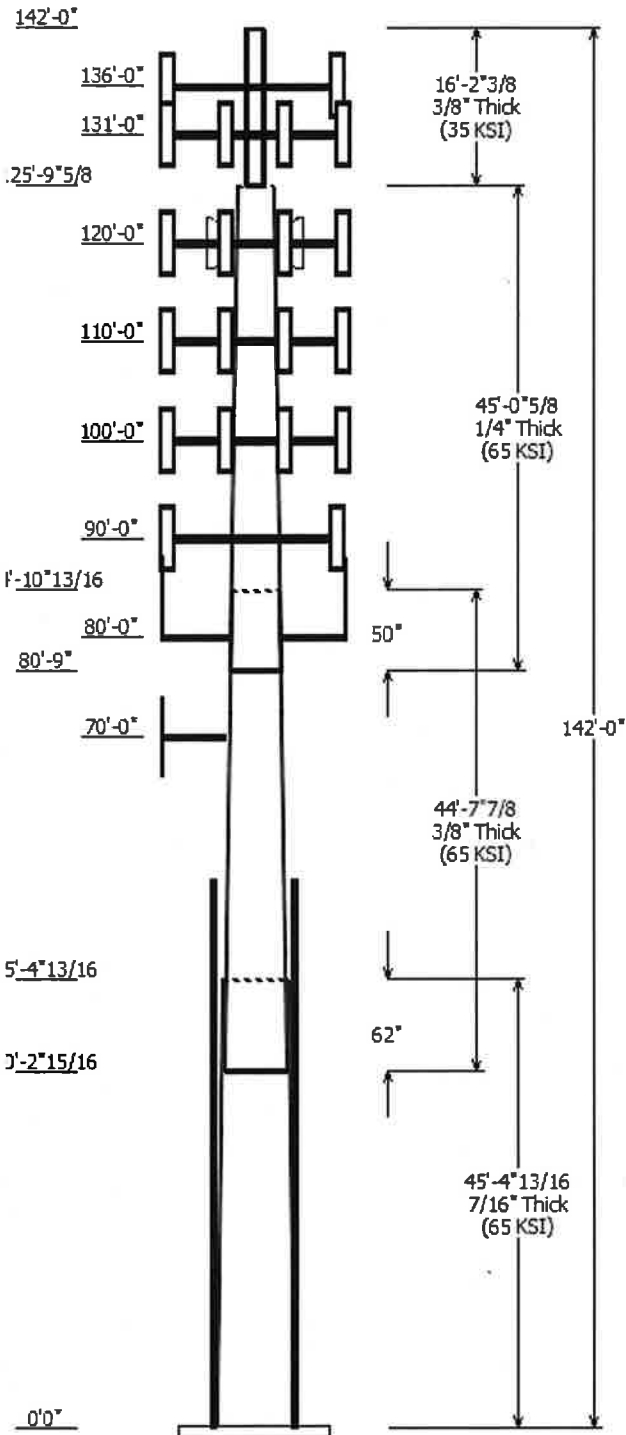


Job Information	
Pole : 302511	Code: ANSI/TIA-222 Rev G
Description : 142 ft EB Monopole	
Client : Verizon Wireless	Struct Class : II
Location : WSPT - South, CT	
Shape : 12 Sides	Exposure : B
Height : 142.00 (ft)	Topo : 1
Base Elev (ft): 0.00	
Taper: 0.21263(in/ft)	

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Accross Top	Flats Bottom					
1	45.400	35.34	45.00	0.438		0.000	0.212638	65
2	44.656	27.69	37.19	0.375	Slip Joint	61.875	0.212638	65
3	45.052	19.50	29.08	0.250	Slip Joint	49.813	0.212638	65
4	16.200	10.75	10.75	0.375	Butt Joint	0.000	0.000000	35

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
136.000	136.000	3	Generic RCU
136.000	136.000	3	Stand-Offs
136.000	136.000	3	Kathrein 742-218 / AP20-1940/0
131.000	131.000	1	Raycap DC6-48-60-18-8F
131.000	131.000	6	Ericsson RRUS 11
131.000	131.000	3	Powerwave P65-16-XLH-RR
131.000	131.000	6	Powerwave LGP219nn
131.000	131.000	6	Powerwave LGP21401
131.000	131.000	6	Powerwave 7770
131.000	131.000	1	Flat Platform w/ Handrails
120.000	120.000	3	Alcatel-Lucent 800 MHz 2X50W
120.000	120.000	3	Alcatel-Lucent 1900 MHz 4x45
120.000	120.000	3	RFS APXVSP18-C-A20
120.000	120.000	3	Argus LLPX310R
120.000	120.000	2	DragonWave Horizon Compact
120.000	120.000	2	DragonWave A-ANT-18G-2-C
120.000	120.000	3	NextNet BTS-2500
120.000	120.000	6	Decibel DB980H80E-M
120.000	120.000	1	Flat Platform w/ Handrails
110.000	110.000	9	48" x 12" Panel
110.000	110.000	3	72" x 12" Panel
110.000	110.000	1	Flat Platform w/ Handrails
100.000	100.000	3	Antel BXA-171063/12CF_2FP
100.000	100.000	3	Antel BXA-70080/6CF
100.000	100.000	1	RFS DB-T1-6Z-8AB-0Z
100.000	100.000	3	Alcatel-Lucent RRH2x40-AWS
100.000	100.000	6	RFS FD9R6004/1C-3L
100.000	100.000	3	Allgon P65-16-XL-2
100.000	100.000	3	Rymsa MGD3-800TX
100.000	100.000	1	Flat Platform w/ Handrails
90.000	90.000	3	Ericsson AIR 21, 1.3M, B4A B2P
90.000	90.000	4	Ericsson AIR 21, 1.3M, B2A B4P
90.000	90.000	4	RFS ATMAA1412D-1A20
90.000	90.000	1	Flat Platform w/ Handrails
80.000	80.000	2	Stand-Offs
80.000	82.800	2	Diamond X50A
70.000	70.000	1	Stand-Off
70.000	70.000	1	PCTEL GPS-TMG-HR-26N

Linear Appurtenance			
Elev (ft) From	To	Description	Exposed To Wind

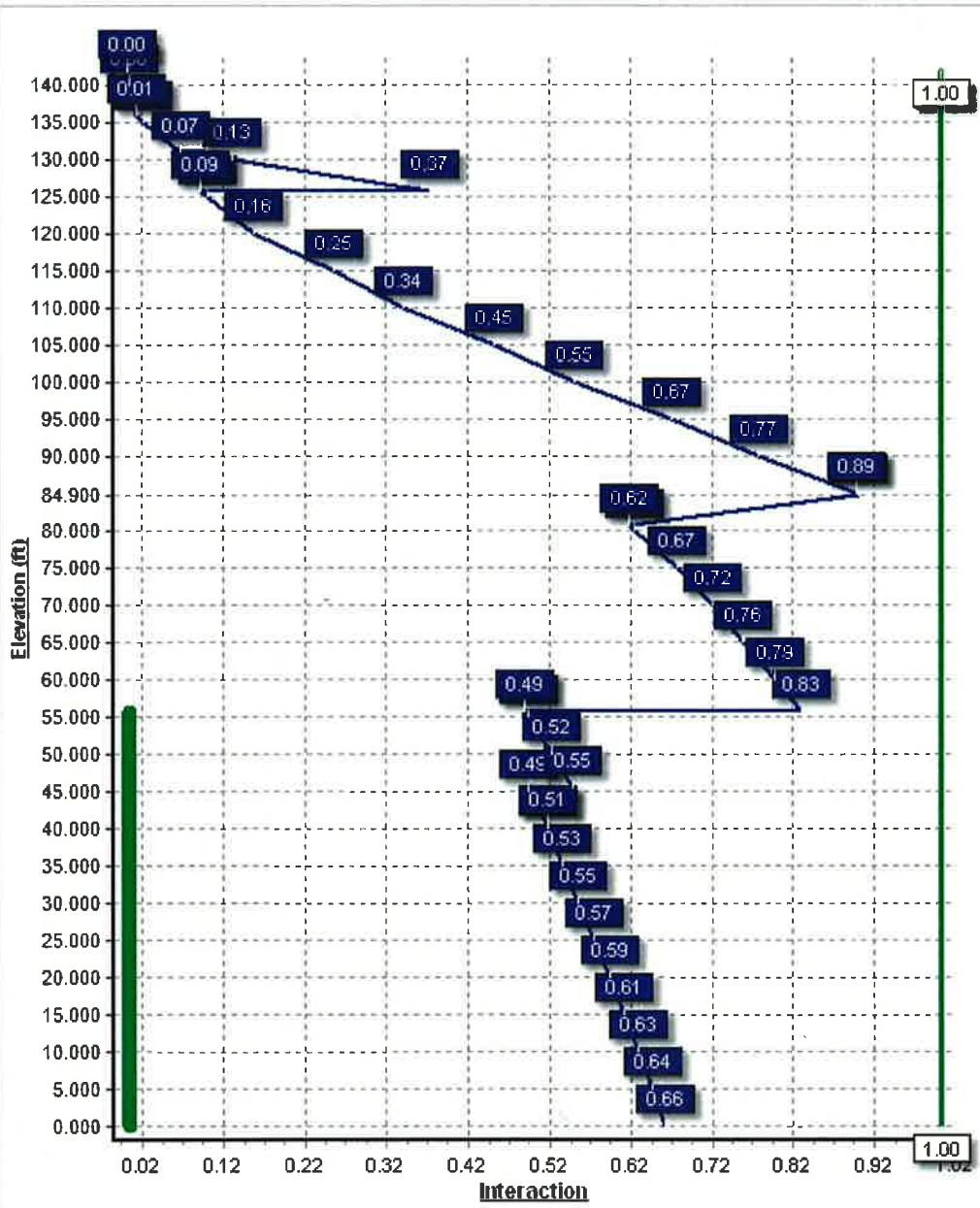


0.000	63.000	DYWIDAG	Yes
0.000	70.000	1/2" Coax	No
0.000	80.000	1/2" Coax	Yes
0.000	90.000	1 1/4" Fiber	Yes
0.000	90.000	1 5/8" Coax	Yes
0.000	90.000	1 5/8" Coax	No
0.000	100.0	1 5/8" Coax	No
0.000	100.0	1 5/8" Hybriflex	No
0.000	110.0	1 5/8" Coax	No
0.000	120.0	1 1/4" Hybriflex	No
0.000	120.0	1 5/8" Coax	No
0.000	120.0	1/2" Coax	Yes
0.000	120.0	2" Conduit	Yes
0.000	120.0	5/16" Coax	Yes
0.000	131.0	0.28" RG-6	No
0.000	131.0	0.65" 8 AWG 2C	No
0.000	131.0	1 1/4" Coax	No
0.000	131.0	3" Conduit	No
0.000	136.0	1 5/8" Coax	Yes
0.000	136.0	3/8" Coax	No

Load Cases	
1.2D + 1.6W	110.00 mph with No Ice
0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice
1.0D + 1.0W	60.00 mph Serviceability

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	3634.93	38.91	50.69
0.9D + 1.6W	3512.28	37.25	38.93
1.2D + 1.0Di + 1.0Wi	653.23	6.53	82.67
1.0D + 1.0W	658.28	6.94	42.92

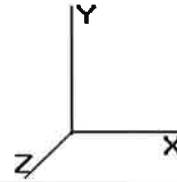
Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	120.00	14.339	1.211



Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides, Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom						Top							
							Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)	
1-12	45.400	0.4375	65		0.00	8,648	45.00	0.00	62.78	15912.1	25.42	102.86	35.34	45.40	49.18	7649.3	19.50	80.79	0.212638	
2-12	44.656	0.3750	65	Slip	61.88	5,884	37.19	40.24	44.46	7692.0	24.43	99.18	27.69	84.90	32.99	3143.5	17.65	73.86	0.212638	
3-12	45.052	0.2500	65	Slip	49.81	2,967	29.08	80.75	23.21	2462.1	29.02	116.32	19.50	125.80	15.50	732.9	18.76	78.00	0.212638	
4-R	16.200	0.3750	35	Butt	0.00	674	10.75	125.80	12.22	164.6	0.00	28.67	10.75	142.00	12.22	164.6	0.00	28.67	0.000000	
Shaft Weight						18,173														

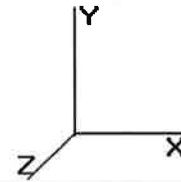
Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	No Ice			Ice			Distance From Face (ft)	Vert Ecc (ft)
			Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor		
136.00	Generic RCU	3	1.00	0.160	0.50	11.02	0.359	0.50	0.000	0.000
136.00	Kathrein 742-218 / AP20-	3	22.50	3.850	0.73	110.55	4.763	0.73	0.000	0.000
136.00	Stand-Offs	3	50.00	3.000	0.67	74.19	4.555	0.67	0.000	0.000
131.00	Ericsson RRUS 11	6	44.00	2.570	0.67	124.02	3.205	0.67	0.000	0.000
131.00	Flat Platform w/ Handrails	1	2000.00	42.400	0.90	3,404.92	63.132	0.90	0.000	0.000
131.00	Powerwave 7770	6	35.00	5.510	0.65	167.86	6.545	0.65	0.000	0.000
131.00	Powerwave LGP21401	6	14.10	1.100	0.50	47.12	1.557	0.50	0.000	0.000
131.00	Powerwave LGP219nn	6	5.50	0.230	0.50	17.84	0.425	0.50	0.000	0.000
131.00	Powerwave P65-16-XLH-RR	3	53.00	8.130	0.67	241.57	9.411	0.67	0.000	0.000
131.00	Raycap DC6-48-60-18-8F	1	31.80	1.280	0.50	123.22	2.843	0.50	0.000	0.000
120.00	Alcatel-Lucent 1900 MHz	3	60.00	2.320	0.67	152.61	2.977	0.67	0.000	0.000
120.00	Alcatel-Lucent 800 MHz	3	64.00	2.060	0.67	152.36	2.641	0.67	0.000	0.000
120.00	Argus LLPX310R	3	28.60	4.290	0.73	133.51	5.168	0.73	0.000	0.000
120.00	Decibel DB980H80E-M	6	8.50	3.800	0.79	96.77	4.826	0.79	0.000	0.000
120.00	DragonWave A-ANT-18G-2-C	2	27.10	4.690	0.67	122.73	5.939	0.67	0.000	0.000
120.00	DragonWave Horizon	2	10.60	0.430	0.50	39.93	0.654	0.50	0.000	0.000
120.00	Flat Platform w/ Handrails	1	2000.00	42.400	0.90	3,392.66	62.951	0.90	0.000	0.000
120.00	NextNet BTS-2500	3	35.00	1.820	0.50	91.20	2.384	0.50	0.000	0.000
120.00	RFS APXVSP18-C-A20	3	57.00	8.020	0.69	251.45	9.284	0.69	0.000	0.000
110.00	48" x 12" Panel	9	30.00	5.070	0.67	158.39	6.020	0.67	0.000	0.000
110.00	72" x 12" Panel	3	45.00	8.130	0.67	229.67	9.387	0.67	0.000	0.000
110.00	Flat Platform w/ Handrails	1	2000.00	42.400	0.90	3,380.59	62.773	0.90	0.000	0.000
100.00	Alcatel-Lucent RRH2x40-AWS	3	44.00	2.160	0.67	113.88	2.776	0.67	0.000	0.000
100.00	Allgon P65-16-XL-2	3	33.00	8.130	0.75	206.09	9.374	0.75	0.000	0.000
100.00	Antel BXA-171063/12CF_2FP	3	15.00	4.790	0.72	129.26	5.947	0.72	0.000	0.000
100.00	Antel BXA-70080/6CF	3	18.08	5.840	0.88	161.80	7.026	0.88	0.000	0.000
100.00	Flat Platform w/ Handrails	1	2000.00	42.400	0.90	3,367.50	62.580	0.90	0.000	0.000
100.00	RFS DB-T1-6Z-8AB-OZ	1	44.00	4.800	0.50	175.46	5.637	0.50	0.000	0.000
100.00	RFS FD9R6004/1C-3L	6	3.10	0.370	0.50	15.44	0.569	0.50	0.000	0.000
100.00	Ryma MGD3-800TX	3	15.40	3.340	0.82	98.01	4.237	0.82	0.000	0.000
90.00	Ericsson AIR 21, 1.3M, B2A	4	83.00	6.050	0.86	242.07	7.090	0.86	0.000	0.000
90.00	Ericsson AIR 21, 1.3M, B4A	3	81.50	6.090	0.85	240.53	7.135	0.85	0.000	0.000
90.00	Flat Platform w/ Handrails	1	2000.00	42.400	0.90	3,353.16	62.368	0.90	0.000	0.000
90.00	RFS ATMAA1412D-1A20	4	13.00	1.000	0.50	45.81	1.408	0.50	0.000	0.000
80.00	Diamond X50A	2	2.30	1.120	1.00	57.21	2.431	1.00	0.000	2.800
80.00	Stand-Offs	2	50.00	3.000	1.00	72.94	4.475	1.00	0.000	0.000
70.00	PCTEL GPS-TMG-HR-26N	1	0.60	0.090	1.00	9.99	0.257	1.00	0.000	0.000
70.00	Stand-Off	1	30.00	1.000	1.00	43.58	1.485	1.00	0.000	0.000
Totals		118	13470.84			30,421.14			Number of Loadings :	38

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	136.00	(6) 1 5/8" Coax	1.98	Y
0.00	136.00	(1) 3/8" Coax	0.00	N
0.00	131.00	(1) 0.28" RG-6	0.00	N
0.00	131.00	(2) 0.65" 8 AWG 2C	0.00	N
0.00	131.00	(12) 1 1/4" Coax	0.00	N
0.00	131.00	(1) 3" Conduit	0.00	N
0.00	120.00	(3) 1 1/4" Hybriflex	0.00	N
0.00	120.00	(6) 1 5/8" Coax	0.00	N
0.00	120.00	(2) 1/2" Coax	0.00	Y
0.00	120.00	(1) 2" Conduit	0.00	Y
0.00	120.00	(6) 5/16" Coax	0.00	Y
0.00	110.00	(12) 1 5/8" Coax	0.00	N
0.00	100.00	(12) 1 5/8" Coax	0.00	N
0.00	100.00	(1) 1 5/8" Hybriflex	0.00	N
0.00	90.00	(1) 1 1/4" Fiber	0.00	Y
0.00	90.00	(10) 1 5/8" Coax	1.98	Y
0.00	90.00	(4) 1 5/8" Coax	0.00	N
0.00	80.00	(2) 1/2" Coax	0.00	Y
0.00	70.00	(1) 1/2" Coax	0.00	N
0.00	63.00	(4) DYWIDAG	2.06	Y

Additional Steel

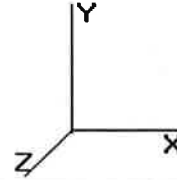
Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —			Connectors	Continuation?
						Description	Spacing (in)	Len (in)		
0.00	55.68	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	Yes

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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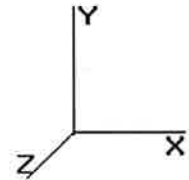
Segment Properties (Max Len : 5 ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in3)	Weight (lb)	Additional Reinforcing		
											Area (in^2)	Ix (in^4)	Weight (lb)
0.00		0.4375	45.000	62.777	15,912.1	25.42	102.86	77.0	683.1	0.0	19.64	6,615	0.0
5.00		0.4375	43.937	61.280	14,800.2	24.77	100.43	77.7	650.7	1,055.3	19.64	6,347	334.0
10.00		0.4375	42.874	59.782	13,741.3	24.11	98.00	78.4	619.2	1,029.9	19.64	6,084	334.0
15.00		0.4375	41.810	58.284	12,734.1	23.46	95.57	79.1	588.4	1,004.4	19.64	5,827	334.0
20.00		0.4375	40.747	56.786	11,777.4	22.81	93.14	79.8	558.4	978.9	19.64	5,576	334.0
25.00		0.4375	39.684	55.289	10,869.9	22.16	90.71	80.5	529.2	953.4	19.64	5,330	334.0
30.00		0.4375	38.621	53.791	10,010.2	21.51	88.28	81.3	500.7	927.9	19.64	5,090	334.0
35.00		0.4375	37.558	52.293	9,197.1	20.86	85.85	81.9	473.1	902.4	19.64	4,855	334.0
40.00		0.4375	36.494	50.795	8,429.2	20.21	83.42	81.9	446.2	877.0	19.64	4,626	334.0
40.24	Bot - Section 2	0.4375	36.443	50.722	8,392.9	20.18	83.30	81.9	444.9	42.1	19.64	4,615	16.3
45.00		0.4375	35.431	49.297	7,705.4	19.56	80.99	81.9	420.1	1,519.0	19.64	4,559	317.7
45.40	Top - Section 1	0.3750	36.096	43.133	7,025.1	23.65	96.26	78.9	376.0	125.8	19.64	4,542	26.7
50.00		0.3750	35.118	41.952	6,463.7	22.95	93.65	79.7	355.6	665.9	19.64	4,337	307.3
55.00		0.3750	34.055	40.668	5,888.2	22.19	90.81	80.5	334.0	702.9	19.64	4,121	334.0
55.68	Reinf. Top	0.3750	33.911	40.495	5,813.1	22.09	90.43	80.6	331.2	93.5	19.64	4,092	45.2
60.00		0.3750	32.992	39.385	5,348.0	21.43	87.98	81.3	313.2	587.5			
65.00		0.3750	31.929	38.101	4,841.9	20.67	85.14	81.9	293.0	659.2			
70.00		0.3750	30.865	36.817	4,368.8	19.91	82.31	81.9	273.4	637.3			
75.00		0.3750	29.802	35.533	3,927.5	19.15	79.47	81.9	254.6	615.5			
80.00		0.3750	28.739	34.249	3,517.0	18.39	76.64	81.9	236.4	593.6			
80.75	Bot - Section 3	0.3750	28.580	34.057	3,458.1	18.28	76.21	81.9	233.8	87.0			
84.90	Top - Section 2	0.2500	28.197	22.497	2,242.8	28.08	112.79	74.1	153.7	796.3			
85.00		0.2500	28.176	22.480	2,237.7	28.06	112.70	74.1	153.4	7.7			
90.00		0.2500	27.113	21.624	1,991.7	26.92	108.45	75.4	141.9	375.2			
95.00		0.2500	26.049	20.768	1,764.4	25.78	104.20	76.6	130.9	360.6			
100.00		0.2500	24.986	19.913	1,555.2	24.64	99.94	77.8	120.2	346.1			
105.00		0.2500	23.923	19.057	1,363.1	23.50	95.69	79.1	110.1	331.5			
110.00		0.2500	22.860	18.201	1,187.6	22.36	91.44	80.3	100.4	316.9			
115.00		0.2500	21.797	17.345	1,027.8	21.22	87.19	81.6	91.1	302.4			
120.00		0.2500	20.733	16.489	883.1	20.08	82.93	81.9	82.3	287.8			
125.00		0.2500	19.670	15.633	752.6	18.94	78.68	81.9	73.9	273.3			
125.8	Top - Section 3	0.2500	19.500	15.496	732.9	18.76	78.00	81.9	72.6	42.4			
125.8	Bot - Section 4	0.3750	10.750	12.223	164.6	0.00	28.67	35.0	30.6				
130.00		0.3750	10.750	12.223	164.6	0.00	28.67	35.0	30.6	174.7			
131.00		0.3750	10.750	12.223	164.6	0.00	28.67	35.0	30.6	41.6			
135.00		0.3750	10.750	12.223	164.6	0.00	28.67	35.0	30.6	166.4			
136.00		0.3750	10.750	12.223	164.6	0.00	28.67	35.0	30.6	41.6			
140.00		0.3750	10.750	12.223	164.6	0.00	28.67	35.0	30.6	166.4			
142.00		0.3750	10.750	12.223	164.6	0.00	28.67	35.0	30.6	83.2			
										18,172.5	3,719.2		

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.6W	110.00 mph with No Ice	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

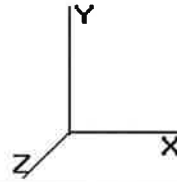
Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	20.599	22.65	357.29	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	20.599	22.65	348.85	1.092	* 0.000	5.00	19.182	20.95	759.6	0.0	1,600.4
10.00		1.00	0.70	20.599	22.65	340.41	1.102	* 0.000	5.00	18.723	20.63	748.0	0.0	1,569.8
15.00		1.00	0.70	20.599	22.65	331.97	1.112	* 0.000	5.00	18.265	20.31	736.3	0.0	1,539.3
20.00		1.00	0.70	20.599	22.65	323.53	1.123	* 0.000	5.00	17.806	19.99	724.7	0.0	1,508.7
25.00		1.00	0.70	20.599	22.65	315.08	1.134	* 0.000	5.00	17.348	19.67	713.1	0.0	1,478.1
30.00		1.00	0.70	20.616	22.67	306.77	1.146	* 0.000	5.00	16.889	19.35	702.0	0.0	1,447.5
35.00		1.00	0.73	21.545	23.69	304.97	1.158	* 0.000	5.00	16.430	19.03	721.5	0.0	1,416.9
40.00		1.00	0.76	22.383	24.62	302.04	1.171	* 0.000	5.00	15.972	18.71	736.9	0.0	1,386.4
40.24	Bot - Section 2	1.00	0.76	22.421	24.66	301.88	1.178	* 0.000	0.24	0.767	0.90	35.6	0.0	66.8
45.00		1.00	0.78	23.149	25.46	298.22	1.185	* 0.000	4.76	15.054	17.85	727.1	0.0	2,140.6
45.40	Top - Section 1	1.00	0.78	23.207	25.52	297.88	1.193	* 0.000	0.40	1.247	1.49	60.8	0.0	177.6
50.00		1.00	0.81	23.856	26.24	300.07	1.190	* 0.000	4.60	14.131	16.82	706.0	0.0	1,106.4
55.00		1.00	0.83	24.515	26.96	294.97	1.204	* 0.000	5.00	14.919	17.97	775.3	0.0	1,177.4
55.68	Reinf. Top	1.00	0.83	24.600	27.06	294.24	1.213	* 0.000	0.68	1.985	2.41	104.3	0.0	157.4
60.00		1.00	0.85	25.132	27.64	289.34	1.221	* 0.000	4.32	12.476	15.24	674.1	0.0	705.0
65.00		1.00	0.87	25.713	28.28	283.23	1.164	* 0.000	5.00	14.002	16.30	737.5	0.0	791.0
70.00	Appertunance(s)	1.00	0.89	26.263	28.89	276.71	1.065	* 0.000	5.00	13.544	14.43	667.0	0.0	764.8
75.00		1.00	0.91	26.786	29.46	269.83	1.078	* 0.000	5.00	13.085	14.11	665.2	0.0	738.6
80.00	Appertunance(s)	1.00	0.92	27.285	30.01	262.61	1.092	* 0.000	5.00	12.626	13.79	662.1	0.0	712.4
80.75	Bot - Section 3	1.00	0.93	27.357	30.09	261.51	1.100	* 0.000	0.75	1.851	2.04	98.1	0.0	104.4
84.90	Top - Section 2	1.00	0.94	27.752	30.52	255.25	1.108	* 0.000	4.15	10.256	11.36	555.0	0.0	955.6
85.00		1.00	0.94	27.761	30.53	259.71	1.107	* 0.000	0.10	0.244	0.27	13.2	0.0	9.2
90.00	Appertunance(s)	1.00	0.95	28.219	31.04	251.95	1.115	* 0.000	5.00	11.925	13.30	660.4	0.0	450.2
95.00		1.00	0.97	28.658	31.52	243.95	1.000	0.000	5.00	11.466	11.47	578.3	0.0	432.8
100.00	Appertunance(s)	1.00	0.98	29.081	31.98	235.72	1.000	0.000	5.00	11.007	11.01	563.4	0.0	415.3
105.00		1.00	1.00	29.489	32.43	227.26	1.000	0.000	5.00	10.549	10.55	547.5	0.0	397.8
110.00	Appertunance(s)	1.00	1.01	29.884	32.87	218.61	1.000	0.000	5.00	10.090	10.09	530.7	0.0	380.3
115.00		1.00	1.02	30.266	33.29	209.77	1.000	0.000	5.00	9.632	9.63	513.1	0.0	362.9
120.00	Appertunance(s)	1.00	1.04	30.636	33.69	200.76	1.000	0.000	5.00	9.173	9.17	494.6	0.0	345.4
125.00		1.00	1.05	30.995	34.09	191.58	1.000	0.000	5.00	8.714	8.71	475.4	0.0	327.9
125.8	Top - Section 3	1.00	1.05	31.052	34.15	190.09	1.000	0.000	0.80	1.353	1.35	73.9	0.0	50.9
130.00		1.00	1.06	31.345	34.47	101.70	0.752	* 0.000	4.20	3.762	2.83	156.0	0.0	209.6
131.00	Appertunance(s)	1.00	1.06	31.413	34.55	101.81	0.752	* 0.000	1.00	0.896	0.67	37.2	0.0	49.9
135.00		1.00	1.07	31.684	34.85	102.25	0.752	* 0.000	4.00	3.583	2.69	150.2	0.0	199.6
136.00	Appertunance(s)	1.00	1.07	31.751	34.92	102.35	0.752	* 0.000	1.00	0.896	0.67	37.6	0.0	49.9
140.00		1.00	1.08	32.015	35.21	102.78	0.600	0.000	4.00	3.583	2.15	121.1	0.0	199.6
142.00		1.00	1.09	32.145	35.36	102.99	0.600	0.000	2.00	1.792	1.08	60.8	0.0	99.8
* = Cf Adjusted By Linear Load Ra Effect								Totals:	142.00			17,323.4	0.0	25,526.3

Pole : 302511
 Location : WSPPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.6W

110.00 mph with No Ice

25 Iterations

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

Wind Importance Factor : 1.00

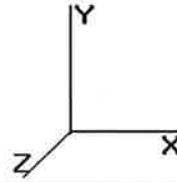
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
70.00	PCTEL GPS-TMG-HR-	1	26.263	28.890	1.00	1.00	0.09	0.000	0.000	4.16	0.00	0.00	0.72
70.00	Stand-Off	1	26.263	28.890	1.00	1.00	1.00	0.000	0.000	46.22	0.00	0.00	36.00
80.00	Diamond X50A	2	27.554	30.310	1.00	1.00	2.24	0.000	2.800	108.63	0.00	304.16	5.52
80.00	Stand-Offs	2	27.285	30.013	1.00	1.00	6.00	0.000	0.000	288.13	0.00	0.00	120.00
90.00	Flat Platform w/ Han	1	28.219	31.040	0.90	1.00	38.16	0.000	0.000	1,895.20	0.00	0.00	2,400.00
90.00	RFS ATMAA1412D-	4	28.219	31.040	0.50	0.75	1.50	0.000	0.000	74.50	0.00	0.00	62.40
90.00	Ericsson AIR 21, 1.3	4	28.219	31.040	0.86	0.75	15.61	0.000	0.000	775.21	0.00	0.00	398.40
90.00	Ericsson AIR 21, 1.3	3	28.219	31.040	0.85	0.75	11.65	0.000	0.000	578.45	0.00	0.00	293.40
100.0	Flat Platform w/ Han	1	29.081	31.989	0.90	1.00	38.16	0.000	0.000	1,953.11	0.00	0.00	2,400.00
100.0	Rymsa MGD3-800TX	3	29.081	31.989	0.82	0.75	6.16	0.000	0.000	315.40	0.00	0.00	55.44
100.0	Allgon P65-16-XL-2	3	29.081	31.989	0.75	0.75	13.72	0.000	0.000	702.19	0.00	0.00	118.80
100.0	RFS FD9R6004/1C-3L	6	29.081	31.989	0.50	0.75	0.83	0.000	0.000	42.61	0.00	0.00	22.32
100.0	Alcatel-Lucent RRH2x	3	29.081	31.989	0.67	0.75	3.26	0.000	0.000	166.66	0.00	0.00	158.40
100.0	RFS DB-T1-6Z-8AB-OZ	1	29.081	31.989	0.50	0.75	1.80	0.000	0.000	92.13	0.00	0.00	52.80
100.0	Antel BXA-70080/6CF	3	29.081	31.989	0.88	0.75	11.56	0.000	0.000	591.83	0.00	0.00	65.09
100.0	Antel BXA-171063/12C	3	29.081	31.989	0.72	0.75	7.76	0.000	0.000	397.16	0.00	0.00	54.00
110.0	Flat Platform w/ Han	1	29.884	32.872	0.90	1.00	38.16	0.000	0.000	2,007.03	0.00	0.00	2,400.00
110.0	72" x 12" Panel	3	29.884	32.872	0.67	0.75	12.26	0.000	0.000	644.61	0.00	0.00	162.00
110.0	48" x 12" Panel	9	29.884	32.872	0.67	0.75	22.93	0.000	0.000	1,205.96	0.00	0.00	324.00
120.0	Flat Platform w/ Han	1	30.636	33.699	0.90	1.00	38.16	0.000	0.000	2,057.55	0.00	0.00	2,400.00
120.0	Decibel DB980H80E-M	6	30.636	33.699	0.79	0.75	13.51	0.000	0.000	728.39	0.00	0.00	61.20
120.0	NextNet BTS-2500	3	30.636	33.699	0.50	0.75	2.05	0.000	0.000	110.40	0.00	0.00	126.00
120.0	DragonWave A-ANT-	2	30.636	33.699	0.67	0.75	4.71	0.000	0.000	254.15	0.00	0.00	65.04
120.0	DragonWave Horizon	2	30.636	33.699	0.50	0.75	0.32	0.000	0.000	17.39	0.00	0.00	25.44
120.0	Argus LLPX310R	3	30.636	33.699	0.73	0.75	7.05	0.000	0.000	379.93	0.00	0.00	102.96
120.0	RFS APXVSP18-C-	3	30.636	33.699	0.69	0.75	12.45	0.000	0.000	671.35	0.00	0.00	205.20
120.0	Alcatel-Lucent 1900	3	30.636	33.699	0.67	0.75	3.50	0.000	0.000	188.58	0.00	0.00	216.00
120.0	Alcatel-Lucent 800 M	3	30.636	33.699	0.67	0.75	3.11	0.000	0.000	167.44	0.00	0.00	230.40
131.0	Flat Platform w/ Han	1	31.413	34.555	0.90	1.00	38.16	0.000	0.000	2,109.76	0.00	0.00	2,400.00
131.0	Powerwave 7770	6	31.413	34.555	0.65	0.75	16.12	0.000	0.000	891.05	0.00	0.00	252.00
131.0	Powerwave LGP21401	6	31.413	34.555	0.50	0.75	2.48	0.000	0.000	136.84	0.00	0.00	101.52
131.0	Powerwave LGP219nn	6	31.413	34.555	0.50	0.75	0.52	0.000	0.000	28.61	0.00	0.00	39.60
131.0	Powerwave P65-16-	3	31.413	34.555	0.67	0.75	12.26	0.000	0.000	677.60	0.00	0.00	190.80
131.0	Ericsson RRUS 11	6	31.413	34.555	0.67	0.75	7.75	0.000	0.000	428.40	0.00	0.00	316.80
131.0	Raycap DC6-48-60-18-	1	31.413	34.555	0.50	0.75	0.48	0.000	0.000	26.54	0.00	0.00	38.16
136.0	Kathrein 742-218 / A	3	31.751	34.926	0.73	0.80	6.75	0.000	0.000	376.94	0.00	0.00	81.00
136.0	Stand-Offs	3	31.751	34.926	0.67	1.00	6.03	0.000	0.000	336.97	0.00	0.00	180.00
136.0	Generic RCU	3	31.751	34.926	0.50	0.80	0.19	0.000	0.000	10.73	0.00	0.00	3.60
										21,487.81			16,165.01

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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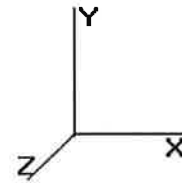
Load Case: 1.2D + 1.6W 110.00 mph with No Ice 25 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.20
Wind Load Factor: 1.60

Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.131	1.092	0.00	29.52
5.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	1.80
5.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	21.90
5.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	1.62
5.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	6.30
5.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.131	1.092	0.00	49.19
5.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	1.80
5.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.131	1.092	0.00	0.00
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.134	1.102	0.00	29.52
10.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	1.80
10.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	21.90
10.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	1.62
10.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	6.30
10.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.134	1.102	0.00	49.19
10.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	1.80
10.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.134	1.102	0.00	0.00
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.137	1.112	0.00	29.52
15.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	1.80
15.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	21.90
15.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	1.62
15.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	6.30
15.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.137	1.112	0.00	49.19
15.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	1.80
15.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.137	1.112	0.00	0.00
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.141	1.123	0.00	29.52
20.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	1.80
20.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	21.90
20.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	1.62
20.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	6.30
20.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.141	1.123	0.00	49.19
20.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	1.80
20.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.141	1.123	0.00	0.00
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.145	1.134	0.00	29.52
25.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	1.80
25.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	21.90
25.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	1.62
25.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	6.30
25.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.145	1.134	0.00	49.19
25.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	1.80
25.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.145	1.134	0.00	0.00
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.616	0.149	1.146	0.00	29.52
30.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	1.80
30.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	21.90
30.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	1.62
30.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	6.30
30.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.616	0.149	1.146	0.00	49.19
30.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	1.80
30.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.616	0.149	1.146	0.00	0.00
35.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	21.545	0.153	1.158	0.00	29.52
35.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	1.80
35.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	21.90

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides, Sect 4: Round
 Taper : 0.212638 (in/ft)

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



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Load Case : 1.2D + 1.6W 110.00 mph with No Ice 25 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

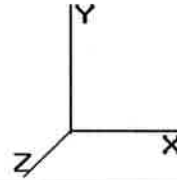
Wind Load Factor : 1.60

35.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	1.62
35.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	6.30
35.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	21.545	0.153	1.158	0.00	49.19
35.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	1.80
35.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	21.545	0.153	1.158	0.00	0.00
40.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	22.383	0.157	1.171	0.00	29.52
40.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	1.80
40.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	21.90
40.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	1.62
40.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	6.30
40.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	22.383	0.157	1.171	0.00	49.19
40.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	1.80
40.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	22.383	0.157	1.171	0.00	0.00
40.24	(6) 1 5/8" Coax	Yes	0.24	0.000	1.98	0.04	0.00	22.421	0.159	1.178	0.00	1.44
40.24	(2) 1/2" Coax	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.09
40.24	(1) 2" Conduit	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	1.07
40.24	(6) 5/16" Coax	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.08
40.24	(1) 1 1/4" Fiber	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.31
40.24	(10) 1 5/8" Coax	Yes	0.24	0.000	1.98	0.04	0.00	22.421	0.159	1.178	0.00	2.40
40.24	(2) 1/2" Coax	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.09
40.24	(4) DYWIDAG	Yes	0.24	0.000	2.06	0.04	0.00	22.421	0.159	1.178	0.00	0.00
45.00	(6) 1 5/8" Coax	Yes	4.76	0.000	1.98	0.78	0.00	23.149	0.162	1.185	0.00	28.08
45.00	(2) 1/2" Coax	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	1.71
45.00	(1) 2" Conduit	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	20.83
45.00	(6) 5/16" Coax	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	1.54
45.00	(1) 1 1/4" Fiber	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	5.99
45.00	(10) 1 5/8" Coax	Yes	4.76	0.000	1.98	0.78	0.00	23.149	0.162	1.185	0.00	46.80
45.00	(2) 1/2" Coax	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	1.71
45.00	(4) DYWIDAG	Yes	4.76	0.000	2.06	0.82	0.00	23.149	0.162	1.185	0.00	0.00
45.40	(6) 1 5/8" Coax	Yes	0.40	0.000	1.98	0.07	0.00	23.207	0.164	1.193	0.00	2.36
45.40	(2) 1/2" Coax	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	0.14
45.40	(1) 2" Conduit	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	1.75
45.40	(6) 5/16" Coax	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	0.13
45.40	(1) 1 1/4" Fiber	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	0.50
45.40	(10) 1 5/8" Coax	Yes	0.40	0.000	1.98	0.07	0.00	23.207	0.164	1.193	0.00	3.93
45.40	(2) 1/2" Coax	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	0.14
45.40	(4) DYWIDAG	Yes	0.40	0.000	2.06	0.07	0.00	23.207	0.164	1.193	0.00	0.00
50.00	(6) 1 5/8" Coax	Yes	4.60	0.000	1.98	0.76	0.00	23.856	0.163	1.190	0.00	27.16
50.00	(2) 1/2" Coax	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	1.66
50.00	(1) 2" Conduit	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	20.15
50.00	(6) 5/16" Coax	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	1.49
50.00	(1) 1 1/4" Fiber	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	5.80
50.00	(10) 1 5/8" Coax	Yes	4.60	0.000	1.98	0.76	0.00	23.856	0.163	1.190	0.00	45.26
50.00	(2) 1/2" Coax	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	1.66
50.00	(4) DYWIDAG	Yes	4.60	0.000	2.06	0.79	0.00	23.856	0.163	1.190	0.00	0.00
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	24.515	0.168	1.204	0.00	29.52
55.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	1.80
55.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	21.90
55.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	1.62
55.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	6.30
55.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	24.515	0.168	1.204	0.00	49.19
55.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	1.80
55.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	24.515	0.168	1.204	0.00	0.00
55.68	(6) 1 5/8" Coax	Yes	0.68	0.000	1.98	0.11	0.00	24.600	0.171	1.213	0.00	4.00
55.68	(2) 1/2" Coax	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	0.24
55.68	(1) 2" Conduit	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	2.97
55.68	(6) 5/16" Coax	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	0.22

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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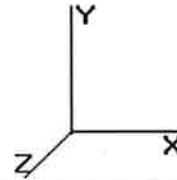
Load Case: 1.2D + 1.6W	110.00 mph with No Ice	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

55.68	(1) 1 1/4" Fiber	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	0.85
55.68	(10) 1 5/8" Coax	Yes	0.68	0.000	1.98	0.11	0.00	24.600	0.171	1.213	0.00	6.66
55.68	(2) 1/2" Coax	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	0.24
55.68	(4) DYWIDAG	Yes	0.68	0.000	2.06	0.12	0.00	24.600	0.171	1.213	0.00	0.00
60.00	(6) 1 5/8" Coax	Yes	4.32	0.000	1.98	0.71	0.00	25.132	0.174	1.221	0.00	25.52
60.00	(2) 1/2" Coax	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	1.56
60.00	(1) 2" Conduit	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	18.93
60.00	(6) 5/16" Coax	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	1.40
60.00	(1) 1 1/4" Fiber	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	5.45
60.00	(10) 1 5/8" Coax	Yes	4.32	0.000	1.98	0.71	0.00	25.132	0.174	1.221	0.00	42.53
60.00	(2) 1/2" Coax	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	1.56
60.00	(4) DYWIDAG	Yes	4.32	0.000	2.06	0.74	0.00	25.132	0.174	1.221	0.00	0.00
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	25.713	0.155	1.164	0.00	29.52
65.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	1.80
65.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	21.90
65.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	1.62
65.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	6.30
65.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	25.713	0.155	1.164	0.00	49.19
65.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	1.80
65.00	(4) DYWIDAG	Yes	3.00	0.000	2.06	0.51	0.00	25.713	0.155	1.164	0.00	0.00
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	26.263	0.122	1.065	0.00	29.52
70.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	1.80
70.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	21.90
70.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	1.62
70.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	6.30
70.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	26.263	0.122	1.065	0.00	49.19
70.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	1.80
75.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	26.786	0.126	1.078	0.00	29.52
75.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	1.80
75.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	21.90
75.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	1.62
75.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	6.30
75.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	26.786	0.126	1.078	0.00	49.19
75.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	1.80
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	27.285	0.131	1.092	0.00	29.52
80.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	1.80
80.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	21.90
80.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	1.62
80.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	6.30
80.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	27.285	0.131	1.092	0.00	49.19
80.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	1.80
80.75	(6) 1 5/8" Coax	Yes	0.75	0.000	1.98	0.12	0.00	27.357	0.133	1.100	0.00	4.42
80.75	(2) 1/2" Coax	Yes	0.75	0.000	0.00	0.00	0.00	27.357	0.133	1.100	0.00	0.27
80.75	(1) 2" Conduit	Yes	0.75	0.000	0.00	0.00	0.00	27.357	0.133	1.100	0.00	3.28
80.75	(6) 5/16" Coax	Yes	0.75	0.000	0.00	0.00	0.00	27.357	0.133	1.100	0.00	0.24
80.75	(1) 1 1/4" Fiber	Yes	0.75	0.000	0.00	0.00	0.00	27.357	0.133	1.100	0.00	0.94
80.75	(10) 1 5/8" Coax	Yes	0.75	0.000	1.98	0.12	0.00	27.357	0.133	1.100	0.00	7.36
84.90	(6) 1 5/8" Coax	Yes	4.15	0.000	1.98	0.68	0.00	27.752	0.136	1.108	0.00	24.50
84.90	(2) 1/2" Coax	Yes	4.15	0.000	0.00	0.00	0.00	27.752	0.136	1.108	0.00	1.49
84.90	(1) 2" Conduit	Yes	4.15	0.000	0.00	0.00	0.00	27.752	0.136	1.108	0.00	18.18
84.90	(6) 5/16" Coax	Yes	4.15	0.000	0.00	0.00	0.00	27.752	0.136	1.108	0.00	1.34
84.90	(1) 1 1/4" Fiber	Yes	4.15	0.000	0.00	0.00	0.00	27.752	0.136	1.108	0.00	5.23
84.90	(10) 1 5/8" Coax	Yes	4.15	0.000	1.98	0.68	0.00	27.752	0.136	1.108	0.00	40.84
85.00	(6) 1 5/8" Coax	Yes	0.10	0.000	1.98	0.02	0.00	27.761	0.136	1.107	0.00	0.59
85.00	(2) 1/2" Coax	Yes	0.10	0.000	0.00	0.00	0.00	27.761	0.136	1.107	0.00	0.04
85.00	(1) 2" Conduit	Yes	0.10	0.000	0.00	0.00	0.00	27.761	0.136	1.107	0.00	0.44
85.00	(6) 5/16" Coax	Yes	0.10	0.000	0.00	0.00	0.00	27.761	0.136	1.107	0.00	0.03

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.6W 110.00 mph with No Ice 25 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

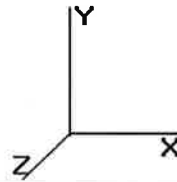
Wind Load Factor : 1.60

85.00	(1) 1 1/4" Fiber	Yes	0.10	0.000	0.00	0.00	0.00	27.761	0.136	1.107	0.00	0.13
85.00	(10) 1 5/8" Coax	Yes	0.10	0.000	1.98	0.02	0.00	27.761	0.136	1.107	0.00	0.99
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	28.219	0.138	1.115	0.00	29.52
90.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	28.219	0.138	1.115	0.00	1.80
90.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	28.219	0.138	1.115	0.00	21.90
90.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	28.219	0.138	1.115	0.00	1.62
90.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	28.219	0.138	1.115	0.00	6.30
90.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	28.219	0.138	1.115	0.00	49.19
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	28.658	0.072	0.000	0.00	29.52
95.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	28.658	0.072	0.000	0.00	1.80
95.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	28.658	0.072	0.000	0.00	21.90
95.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	28.658	0.072	0.000	0.00	1.62
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	29.081	0.075	0.000	0.00	29.52
100.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.081	0.075	0.000	0.00	1.80
100.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	29.081	0.075	0.000	0.00	21.90
100.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.081	0.075	0.000	0.00	1.62
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	29.489	0.078	0.000	0.00	29.52
105.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.489	0.078	0.000	0.00	1.80
105.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	29.489	0.078	0.000	0.00	21.90
105.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.489	0.078	0.000	0.00	1.62
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	29.884	0.082	0.000	0.00	29.52
110.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.884	0.082	0.000	0.00	1.80
110.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	29.884	0.082	0.000	0.00	21.90
110.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.884	0.082	0.000	0.00	1.62
115.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	30.266	0.086	0.000	0.00	29.52
115.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	30.266	0.086	0.000	0.00	1.80
115.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	30.266	0.086	0.000	0.00	21.90
115.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	30.266	0.086	0.000	0.00	1.62
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	30.636	0.090	0.000	0.00	29.52
120.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	30.636	0.090	0.000	0.00	1.80
120.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	30.636	0.090	0.000	0.00	21.90
120.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	30.636	0.090	0.000	0.00	1.62
125.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	30.995	0.095	0.000	0.00	29.52
125.8	(6) 1 5/8" Coax	Yes	0.80	0.000	1.98	0.13	0.00	31.052	0.098	0.000	0.00	4.73
130.0	(6) 1 5/8" Coax	Yes	4.20	0.000	1.98	0.69	0.00	31.345	0.184	1.253	0.00	24.79
131.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	31.413	0.184	1.253	0.00	5.90
135.0	(6) 1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	31.684	0.184	1.253	0.00	23.61
136.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	31.751	0.184	1.253	0.00	5.90
Totals:											0.00	2,438.22

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.6W 110.00 mph with No Ice 25 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.20
Wind Load Factor: 1.60

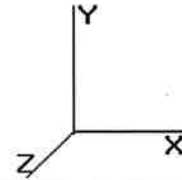
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	759.62	2,001.71	0.00	0.00
10.00	747.98	1,971.13	0.00	0.00
15.00	736.34	1,940.55	0.00	0.00
20.00	724.70	1,909.97	0.00	0.00
25.00	713.06	1,879.39	0.00	0.00
30.00	702.02	1,848.81	0.00	0.00
35.00	721.45	1,818.23	0.00	0.00
40.00	736.86	1,787.65	0.00	0.00
40.24	35.65	86.33	0.00	0.00
45.00	727.06	2,522.32	0.00	0.00
45.40	60.75	209.73	0.00	0.00
50.00	706.01	1,475.60	0.00	0.00
55.00	775.27	1,578.71	0.00	0.00
55.68	104.27	211.74	0.00	0.00
60.00	674.06	1,051.99	0.00	0.00
65.00	737.50	1,192.29	0.00	0.00
70.00	717.41	1,202.80	0.00	0.00
75.00	665.17	1,138.97	0.00	0.00
80.00	1,058.89	1,238.28	0.00	304.16
80.75	98.05	164.05	0.00	0.00
84.90	554.96	1,286.52	0.00	0.00
85.00	13.21	17.23	0.00	0.00
90.00	3,983.76	4,003.03	0.00	0.00
95.00	578.32	756.18	0.00	0.00
100.0	4,824.49	3,665.56	0.00	0.00
105.0	547.49	654.40	0.00	0.00
110.0	4,388.30	3,522.93	0.00	0.00
115.0	513.05	560.42	0.00	0.00
120.0	5,069.78	3,975.19	0.00	0.00
125.0	475.38	452.64	0.00	0.00
125.8	73.92	70.84	0.00	0.00
130.0	155.97	314.35	0.00	0.00
131.0	4,336.02	3,413.73	0.00	0.00
135.0	150.17	223.64	0.00	0.00
136.0	762.26	320.51	0.00	0.00
140.0	121.15	199.64	0.00	0.00
142.0	60.82	99.82	0.00	0.00
Totals:	38,811.17	50,766.93	0.00	304.16

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.6W 110.00 mph with No Ice 25 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

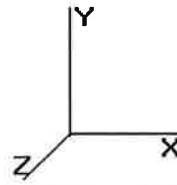
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-50.69	-38.91	0.00	-3,634.93	0.00	3,634.93	4,350.13	2,175.06	7,987.32	3,944.64	0.00	0.00	0.660
5.00	-48.54	-38.34	0.00	-3,440.37	0.00	3,440.37	4,285.51	2,142.75	7,679.11	3,792.42	0.12	-0.22	0.644
10.00	-46.42	-37.76	0.00	-3,248.67	0.00	3,248.67	4,218.97	2,109.49	7,373.27	3,641.38	0.48	-0.45	0.627
15.00	-44.34	-37.18	0.00	-3,059.86	0.00	3,059.86	4,150.52	2,075.26	7,070.06	3,491.64	1.07	-0.67	0.610
20.00	-42.30	-36.60	0.00	-2,873.95	0.00	2,873.95	4,080.16	2,040.08	6,769.73	3,343.32	1.90	-0.90	0.591
25.00	-40.29	-36.02	0.00	-2,690.95	0.00	2,690.95	4,007.88	2,003.94	6,472.54	3,196.54	2.97	-1.13	0.573
30.00	-38.32	-35.43	0.00	-2,510.88	0.00	2,510.88	3,933.69	1,966.85	6,178.73	3,051.44	4.27	-1.36	0.553
35.00	-36.38	-34.80	0.00	-2,333.75	0.00	2,333.75	3,854.52	1,927.26	5,883.88	2,905.83	5.82	-1.59	0.533
40.00	-34.54	-34.08	0.00	-2,159.74	0.00	2,159.74	3,744.12	1,872.06	5,549.75	2,740.81	7.60	-1.81	0.516
40.24	-34.39	-34.12	0.00	-2,151.43	0.00	2,151.43	3,738.74	1,869.37	5,533.72	2,732.90	7.70	-1.83	0.515
45.00	-31.83	-33.37	0.00	-1,989.17	0.00	1,989.17	3,633.72	1,816.86	5,225.39	2,580.62	9.63	-2.04	0.491
45.40	-31.55	-33.36	0.00	-1,975.83	0.00	1,975.83	3,633.79	1,531.89	4,506.32	2,225.50	9.80	-2.06	0.547
50.00	-29.98	-32.71	0.00	-1,822.36	0.00	1,822.36	3,008.67	1,504.34	4,302.82	2,125.00	11.88	-2.26	0.520
55.00	-28.36	-31.94	0.00	-1,658.80	0.00	1,658.80	2,946.93	1,473.46	4,084.17	2,017.02	14.38	-2.49	0.491
55.68	-28.09	-31.88	0.00	-1,637.18	0.00	1,637.18	2,938.42	1,469.21	4,054.78	2,002.51	14.73	-2.52	0.487
55.68	-28.09	-31.88	0.00	-1,637.18	0.00	1,637.18	2,938.42	1,469.21	4,054.78	2,002.51	14.73	-2.52	0.828
60.00	-26.92	-31.29	0.00	-1,499.36	0.00	1,499.36	2,883.27	1,441.64	3,868.42	1,910.47	17.11	-2.72	0.795
65.00	-25.56	-30.67	0.00	-1,342.89	0.00	1,342.89	2,808.41	1,404.21	3,643.77	1,799.52	20.16	-3.10	0.756
70.00	-24.21	-30.04	0.00	-1,189.56	0.00	1,189.56	2,713.79	1,356.89	3,400.96	1,679.60	23.60	-3.47	0.718
75.00	-22.93	-29.44	0.00	-1,039.39	0.00	1,039.39	2,619.16	1,309.58	3,166.52	1,563.83	27.43	-3.83	0.674
80.00	-21.68	-28.38	0.00	-891.87	0.00	891.87	2,524.53	1,262.26	2,940.46	1,452.18	31.63	-4.18	0.623
80.75	-21.44	-28.33	0.00	-870.63	0.00	870.63	2,510.36	1,255.18	2,907.34	1,435.82	32.29	-4.23	0.615
84.90	-20.13	-27.73	0.00	-753.04	0.00	753.04	1,500.18	750.09	1,728.96	853.87	36.10	-4.51	0.897
85.00	-20.00	-27.79	0.00	-750.25	0.00	750.25	1,499.54	749.77	1,726.89	852.85	36.19	-4.52	0.894
90.00	-16.17	-23.61	0.00	-611.30	0.00	611.30	1,466.64	733.32	1,624.12	802.09	41.16	-4.95	0.774
95.00	-15.32	-23.06	0.00	-493.27	0.00	493.27	1,431.82	715.91	1,522.23	751.77	46.55	-5.35	0.668
100.00	-12.04	-17.98	0.00	-377.95	0.00	377.95	1,395.09	697.54	1,421.47	702.01	52.34	-5.70	0.548
105.00	-11.36	-17.42	0.00	-288.07	0.00	288.07	1,356.44	678.22	1,322.10	652.93	58.46	-6.00	0.450
110.00	-8.27	-12.71	0.00	-200.97	0.00	200.97	1,315.88	657.94	1,224.36	604.67	64.88	-6.26	0.339
115.00	-7.73	-12.17	0.00	-137.40	0.00	137.40	1,273.40	636.70	1,128.51	557.33	71.54	-6.46	0.253
120.00	-4.35	-6.69	0.00	-76.57	0.00	76.57	1,215.41	607.71	1,023.36	505.40	78.37	-6.61	0.155
125.00	-3.95	-6.16	0.00	-43.14	0.00	43.14	1,152.33	576.16	919.28	454.00	85.34	-6.70	0.099
125.80	-3.88	-6.08	0.00	-38.21	0.00	38.21	1,142.23	571.11	903.13	446.02	86.46	-6.72	0.089
125.80	-3.88	-6.08	0.00	-38.21	0.00	38.21	385.02	192.51	160.54	106.00	86.46	-6.72	0.372
130.00	-3.59	-5.89	0.00	-12.66	0.00	12.66	385.02	192.51	160.54	106.00	92.37	-6.76	0.130
131.00	-0.71	-1.19	0.00	-6.77	0.00	6.77	385.02	192.51	160.54	106.00	93.79	-6.77	0.066
135.00	-0.50	-1.01	0.00	-2.02	0.00	2.02	385.02	192.51	160.54	106.00	99.47	-6.81	0.020
136.00	-0.28	-0.22	0.00	-1.01	0.00	1.01	385.02	192.51	160.54	106.00	100.89	-6.81	0.010
140.00	-0.09	-0.07	0.00	-0.14	0.00	0.14	385.02	192.51	160.54	106.00	106.58	-6.81	0.002
142.00	0.00	-0.06	0.00	0.00	0.00	0.00	385.02	192.51	160.54	106.00	109.43	-6.81	0.000

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 0.9D + 1.6W 110.00 mph with No Ice (Reduced DL) 25 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

Shaft Segment Forces (Factored)

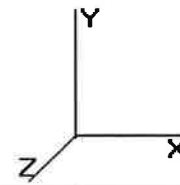
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	20.599	22.65	357.29	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	20.599	22.65	348.85	1.000	* 0.000	5.00	19.182	19.18	695.4	0.0	1,283.8
10.00		1.00	0.70	20.599	22.65	340.41	1.000	* 0.000	5.00	18.723	18.72	678.8	0.0	1,260.9
15.00		1.00	0.70	20.599	22.65	331.97	1.000	* 0.000	5.00	18.265	18.26	662.2	0.0	1,237.9
20.00		1.00	0.70	20.599	22.65	323.53	1.000	* 0.000	5.00	17.806	17.81	645.6	0.0	1,215.0
25.00		1.00	0.70	20.599	22.65	315.08	1.000	* 0.000	5.00	17.348	17.35	628.9	0.0	1,192.1
30.00		1.00	0.70	20.616	22.67	306.77	1.000	* 0.000	5.00	16.889	16.89	612.8	0.0	1,169.1
35.00		1.00	0.73	21.545	23.69	304.97	1.000	* 0.000	5.00	16.430	16.43	623.0	0.0	1,146.2
40.00		1.00	0.76	22.383	24.62	302.04	1.000	* 0.000	5.00	15.972	15.97	629.2	0.0	1,123.3
40.24	Bot - Section 2	1.00	0.76	22.421	24.66	301.88	1.000	* 0.000	0.24	0.767	0.77	30.3	0.0	54.2
45.00		1.00	0.78	23.149	25.46	298.22	1.000	* 0.000	4.76	15.054	15.05	613.3	0.0	1,684.9
45.40	Top - Section 1	1.00	0.78	23.207	25.52	297.88	1.000	* 0.000	0.40	1.247	1.25	50.9	0.0	139.9
50.00		1.00	0.81	23.856	26.24	300.07	1.000	* 0.000	4.60	14.131	14.13	593.3	0.0	906.6
55.00		1.00	0.83	24.515	26.96	294.97	1.000	* 0.000	5.00	14.919	14.92	643.7	0.0	966.6
55.68	Reinf. Top	1.00	0.83	24.600	27.06	294.24	1.000	* 0.000	0.68	1.985	1.98	85.9	0.0	129.4
60.00		1.00	0.85	25.132	27.64	289.34	1.000	* 0.000	4.32	12.476	12.48	551.8	0.0	528.8
65.00		1.00	0.87	25.713	28.28	283.23	1.000	* 0.000	5.00	14.002	14.00	633.7	0.0	593.2
70.00	Appertunance(s)	1.00	0.89	26.263	28.89	276.71	1.000	* 0.000	5.00	13.544	13.54	626.0	0.0	573.6
75.00		1.00	0.91	26.786	29.46	269.83	1.000	* 0.000	5.00	13.085	13.08	616.9	0.0	553.9
80.00	Appertunance(s)	1.00	0.92	27.285	30.01	262.61	1.000	* 0.000	5.00	12.626	12.63	606.3	0.0	534.3
80.75	Bot - Section 3	1.00	0.93	27.357	30.09	261.51	1.000	* 0.000	0.75	1.851	1.85	89.1	0.0	78.3
84.90	Top - Section 2	1.00	0.94	27.752	30.52	255.25	1.000	* 0.000	4.15	10.256	10.26	500.9	0.0	716.7
85.00		1.00	0.94	27.761	30.53	259.71	1.000	* 0.000	0.10	0.244	0.24	11.9	0.0	6.9
90.00	Appertunance(s)	1.00	0.95	28.219	31.04	251.95	1.000	* 0.000	5.00	11.925	11.92	592.2	0.0	337.7
95.00		1.00	0.97	28.658	31.52	243.95	1.000	0.000	5.00	11.466	11.47	578.3	0.0	324.6
100.0	Appertunance(s)	1.00	0.98	29.081	31.98	235.72	1.000	0.000	5.00	11.007	11.01	563.4	0.0	311.5
105.0		1.00	1.00	29.489	32.43	227.26	1.000	0.000	5.00	10.549	10.55	547.5	0.0	298.4
110.0	Appertunance(s)	1.00	1.01	29.884	32.87	218.61	1.000	0.000	5.00	10.090	10.09	530.7	0.0	285.3
115.0		1.00	1.02	30.266	33.29	209.77	1.000	0.000	5.00	9.632	9.63	513.1	0.0	272.1
120.0	Appertunance(s)	1.00	1.04	30.636	33.69	200.76	1.000	0.000	5.00	9.173	9.17	494.6	0.0	259.0
125.0		1.00	1.05	30.995	34.09	191.58	1.000	0.000	5.00	8.714	8.71	475.4	0.0	245.9
125.8	Top - Section 3	1.00	1.05	31.052	34.15	190.09	1.000	0.000	0.80	1.353	1.35	73.9	0.0	38.2
130.0		1.00	1.06	31.345	34.47	101.70	0.600	* 0.000	4.20	3.762	2.26	124.5	0.0	157.2
131.0	Appertunance(s)	1.00	1.06	31.413	34.55	101.81	0.600	* 0.000	1.00	0.896	0.54	29.7	0.0	37.4
135.0		1.00	1.07	31.684	34.85	102.25	0.600	* 0.000	4.00	3.583	2.15	119.9	0.0	149.7
136.0	Appertunance(s)	1.00	1.07	31.751	34.92	102.35	0.600	* 0.000	1.00	0.896	0.54	30.0	0.0	37.4
140.0		1.00	1.08	32.015	35.21	102.78	0.600	0.000	4.00	3.583	2.15	121.1	0.0	149.7
142.0		1.00	1.09	32.145	35.36	102.99	0.600	0.000	2.00	1.792	1.08	60.8	0.0	74.9
								Totals:	142.00			15,685.3	0.0	20,074.5

* = Cf Adjusted By Linear Load Ra Effect

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 0.9D + 1.6W 110.00 mph with No Ice (Reduced DL) 25 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 0.90
Wind Load Factor : 1.60

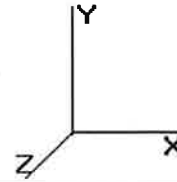
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
70.00	PCTEL GPS-TMG-HR-	1	26.263	28.890	1.00	1.00	0.09	0.000	0.000	4.16	0.00	0.00	0.54
70.00	Stand-Off	1	26.263	28.890	1.00	1.00	1.00	0.000	0.000	46.22	0.00	0.00	27.00
80.00	Diamond X50A	2	27.554	30.310	1.00	1.00	2.24	0.000	2.800	108.63	0.00	304.16	4.14
80.00	Stand-Offs	2	27.285	30.013	1.00	1.00	6.00	0.000	0.000	288.13	0.00	0.00	90.00
90.00	Flat Platform w/ Han	1	28.219	31.040	0.90	1.00	38.16	0.000	0.000	1,895.20	0.00	0.00	1,800.00
90.00	RFS ATMAA1412D-	4	28.219	31.040	0.50	0.75	1.50	0.000	0.000	74.50	0.00	0.00	46.80
90.00	Ericsson AIR 21, 1.3	4	28.219	31.040	0.86	0.75	15.61	0.000	0.000	775.21	0.00	0.00	298.80
90.00	Ericsson AIR 21, 1.3	3	28.219	31.040	0.85	0.75	11.65	0.000	0.000	578.45	0.00	0.00	220.05
100.0	Flat Platform w/ Han	1	29.081	31.989	0.90	1.00	38.16	0.000	0.000	1,953.11	0.00	0.00	1,800.00
100.0	Rymasa MGD3-800TX	3	29.081	31.989	0.82	0.75	6.16	0.000	0.000	315.40	0.00	0.00	41.58
100.0	Allgon P65-16-XL-2	3	29.081	31.989	0.75	0.75	13.72	0.000	0.000	702.19	0.00	0.00	89.10
100.0	RFS FD9R6004/1C-3L	6	29.081	31.989	0.50	0.75	0.83	0.000	0.000	42.61	0.00	0.00	16.74
100.0	Alcatel-Lucent RRH2x	3	29.081	31.989	0.67	0.75	3.26	0.000	0.000	166.66	0.00	0.00	118.80
100.0	RFS DB-T1-6Z-8AB-0Z	1	29.081	31.989	0.50	0.75	1.80	0.000	0.000	92.13	0.00	0.00	39.60
100.0	Antel BXA-70080/6CF	3	29.081	31.989	0.88	0.75	11.56	0.000	0.000	591.83	0.00	0.00	48.82
100.0	Antel BXA-171063/12C	3	29.081	31.989	0.72	0.75	7.76	0.000	0.000	397.16	0.00	0.00	40.50
110.0	Flat Platform w/ Han	1	29.884	32.872	0.90	1.00	38.16	0.000	0.000	2,007.03	0.00	0.00	1,800.00
110.0	72" x 12" Panel	3	29.884	32.872	0.67	0.75	12.26	0.000	0.000	644.61	0.00	0.00	121.50
110.0	48" x 12" Panel	9	29.884	32.872	0.67	0.75	22.93	0.000	0.000	1,205.96	0.00	0.00	243.00
120.0	Flat Platform w/ Han	1	30.636	33.699	0.90	1.00	38.16	0.000	0.000	2,057.55	0.00	0.00	1,800.00
120.0	Decibel DB980H80E-M	6	30.636	33.699	0.79	0.75	13.51	0.000	0.000	728.39	0.00	0.00	45.90
120.0	NextNet BTS-2500	3	30.636	33.699	0.50	0.75	2.05	0.000	0.000	110.40	0.00	0.00	94.50
120.0	DragonWave A-ANT-	2	30.636	33.699	0.67	0.75	4.71	0.000	0.000	254.15	0.00	0.00	48.78
120.0	DragonWave Horizon	2	30.636	33.699	0.50	0.75	0.32	0.000	0.000	17.39	0.00	0.00	19.08
120.0	Argus LLPX310R	3	30.636	33.699	0.73	0.75	7.05	0.000	0.000	379.93	0.00	0.00	77.22
120.0	RFS APXVSP18-C-	3	30.636	33.699	0.69	0.75	12.45	0.000	0.000	671.35	0.00	0.00	153.90
120.0	Alcatel-Lucent 1900	3	30.636	33.699	0.67	0.75	3.50	0.000	0.000	188.58	0.00	0.00	162.00
120.0	Alcatel-Lucent 800 M	3	30.636	33.699	0.67	0.75	3.11	0.000	0.000	167.44	0.00	0.00	172.80
131.0	Flat Platform w/ Han	1	31.413	34.555	0.90	1.00	38.16	0.000	0.000	2,109.76	0.00	0.00	1,800.00
131.0	Powerwave 7770	6	31.413	34.555	0.65	0.75	16.12	0.000	0.000	891.05	0.00	0.00	189.00
131.0	Powerwave LGP21401	6	31.413	34.555	0.50	0.75	2.48	0.000	0.000	136.84	0.00	0.00	76.14
131.0	Powerwave LGP219nn	6	31.413	34.555	0.50	0.75	0.52	0.000	0.000	28.61	0.00	0.00	29.70
131.0	Powerwave P65-16-	3	31.413	34.555	0.67	0.75	12.26	0.000	0.000	677.60	0.00	0.00	143.10
131.0	Ericsson RRUS 11	6	31.413	34.555	0.67	0.75	7.75	0.000	0.000	428.40	0.00	0.00	237.60
131.0	Raycap DC6-48-60-18-	1	31.413	34.555	0.50	0.75	0.48	0.000	0.000	26.54	0.00	0.00	28.62
136.0	Kathrein 742-218 / A	3	31.751	34.926	0.73	0.80	6.75	0.000	0.000	376.94	0.00	0.00	60.75
136.0	Stand-Offs	3	31.751	34.926	0.67	1.00	6.03	0.000	0.000	336.97	0.00	0.00	135.00
136.0	Generic RCU	3	31.751	34.926	0.50	0.80	0.19	0.000	0.000	10.73	0.00	0.00	2.70
										21,487.81			12,123.76

Pole : 302511
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 Height : 142.0 (ft)
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 Topographic Category : 1
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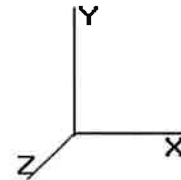
Load Case: 0.9D + 1.6W 110.00 mph with No Ice (Reduced DL) 25 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 0.90
Wind Load Factor : 1.60

Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.131	1.092	0.00	22.14
5.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	1.35
5.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	16.42
5.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	1.22
5.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	4.72
5.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.131	1.092	0.00	36.90
5.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.131	1.092	0.00	1.35
5.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.131	1.092	0.00	0.00
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.134	1.102	0.00	22.14
10.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	1.35
10.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	16.42
10.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	1.22
10.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	4.72
10.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.134	1.102	0.00	36.90
10.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.134	1.102	0.00	1.35
10.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.134	1.102	0.00	0.00
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.137	1.112	0.00	22.14
15.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	1.35
15.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	16.42
15.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	1.22
15.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	4.72
15.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.137	1.112	0.00	36.90
15.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.137	1.112	0.00	1.35
15.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.137	1.112	0.00	0.00
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.141	1.123	0.00	22.14
20.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	1.35
20.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	16.42
20.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	1.22
20.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	4.72
20.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.141	1.123	0.00	36.90
20.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.141	1.123	0.00	1.35
20.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.141	1.123	0.00	0.00
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.145	1.134	0.00	22.14
25.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	1.35
25.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	16.42
25.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	1.22
25.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	4.72
25.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.599	0.145	1.134	0.00	36.90
25.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.599	0.145	1.134	0.00	1.35
25.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.599	0.145	1.134	0.00	0.00
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.616	0.149	1.146	0.00	22.14
30.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	1.35
30.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	16.42
30.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	1.22
30.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	4.72
30.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	20.616	0.149	1.146	0.00	36.90
30.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.616	0.149	1.146	0.00	1.35
30.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	20.616	0.149	1.146	0.00	0.00
35.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	21.545	0.153	1.158	0.00	22.14
35.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	1.35
35.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	16.42

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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



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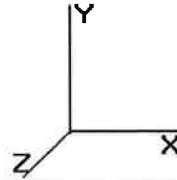
Load Case: 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

35.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	1.22
35.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	4.72
35.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	21.545	0.153	1.158	0.00	36.90
35.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.545	0.153	1.158	0.00	1.35
35.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	21.545	0.153	1.158	0.00	0.00
40.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	22.383	0.157	1.171	0.00	22.14
40.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	1.35
40.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	16.42
40.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	1.22
40.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	4.72
40.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	22.383	0.157	1.171	0.00	36.90
40.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.383	0.157	1.171	0.00	1.35
40.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	22.383	0.157	1.171	0.00	0.00
40.24	(6) 1 5/8" Coax	Yes	0.24	0.000	1.98	0.04	0.00	22.421	0.159	1.178	0.00	1.08
40.24	(2) 1/2" Coax	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.07
40.24	(1) 2" Conduit	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.80
40.24	(6) 5/16" Coax	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.06
40.24	(1) 1 1/4" Fiber	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.23
40.24	(10) 1 5/8" Coax	Yes	0.24	0.000	1.98	0.04	0.00	22.421	0.159	1.178	0.00	1.80
40.24	(2) 1/2" Coax	Yes	0.24	0.000	0.00	0.00	0.00	22.421	0.159	1.178	0.00	0.07
40.24	(4) DYWIDAG	Yes	0.24	0.000	2.06	0.04	0.00	22.421	0.159	1.178	0.00	0.00
45.00	(6) 1 5/8" Coax	Yes	4.76	0.000	1.98	0.78	0.00	23.149	0.162	1.185	0.00	21.06
45.00	(2) 1/2" Coax	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	1.28
45.00	(1) 2" Conduit	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	15.62
45.00	(6) 5/16" Coax	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	1.16
45.00	(1) 1 1/4" Fiber	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	4.49
45.00	(10) 1 5/8" Coax	Yes	4.76	0.000	1.98	0.78	0.00	23.149	0.162	1.185	0.00	35.10
45.00	(2) 1/2" Coax	Yes	4.76	0.000	0.00	0.00	0.00	23.149	0.162	1.185	0.00	1.28
45.00	(4) DYWIDAG	Yes	4.76	0.000	2.06	0.82	0.00	23.149	0.162	1.185	0.00	0.00
45.40	(6) 1 5/8" Coax	Yes	0.40	0.000	1.98	0.07	0.00	23.207	0.164	1.193	0.00	1.77
45.40	(2) 1/2" Coax	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	0.11
45.40	(1) 2" Conduit	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	1.31
45.40	(6) 5/16" Coax	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	0.10
45.40	(1) 1 1/4" Fiber	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	0.38
45.40	(10) 1 5/8" Coax	Yes	0.40	0.000	1.98	0.07	0.00	23.207	0.164	1.193	0.00	2.95
45.40	(2) 1/2" Coax	Yes	0.40	0.000	0.00	0.00	0.00	23.207	0.164	1.193	0.00	0.11
45.40	(4) DYWIDAG	Yes	0.40	0.000	2.06	0.07	0.00	23.207	0.164	1.193	0.00	0.00
50.00	(6) 1 5/8" Coax	Yes	4.60	0.000	1.98	0.76	0.00	23.856	0.163	1.190	0.00	20.37
50.00	(2) 1/2" Coax	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	1.24
50.00	(1) 2" Conduit	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	15.11
50.00	(6) 5/16" Coax	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	1.12
50.00	(1) 1 1/4" Fiber	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	4.35
50.00	(10) 1 5/8" Coax	Yes	4.60	0.000	1.98	0.76	0.00	23.856	0.163	1.190	0.00	33.94
50.00	(2) 1/2" Coax	Yes	4.60	0.000	0.00	0.00	0.00	23.856	0.163	1.190	0.00	1.24
50.00	(4) DYWIDAG	Yes	4.60	0.000	2.06	0.79	0.00	23.856	0.163	1.190	0.00	0.00
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	24.515	0.168	1.204	0.00	22.14
55.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	1.35
55.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	16.42
55.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	1.22
55.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	4.72
55.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	24.515	0.168	1.204	0.00	36.90
55.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	24.515	0.168	1.204	0.00	1.35
55.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	24.515	0.168	1.204	0.00	0.00
55.68	(6) 1 5/8" Coax	Yes	0.68	0.000	1.98	0.11	0.00	24.600	0.171	1.213	0.00	3.00
55.68	(2) 1/2" Coax	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	0.18
55.68	(1) 2" Conduit	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	2.22
55.68	(6) 5/16" Coax	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	0.16

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides, Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 0.9D + 1.6W 110.00 mph with No Ice (Reduced DL) 25 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

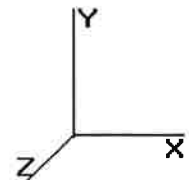
Wind Load Factor : 1.60

55.68	(1) 1 1/4" Fiber	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	0.64
55.68	(10) 1 5/8" Coax	Yes	0.68	0.000	1.98	0.11	0.00	24.600	0.171	1.213	0.00	5.00
55.68	(2) 1/2" Coax	Yes	0.68	0.000	0.00	0.00	0.00	24.600	0.171	1.213	0.00	0.18
55.68	(4) DYWIDAG	Yes	0.68	0.000	2.06	0.12	0.00	24.600	0.171	1.213	0.00	0.00
60.00	(6) 1 5/8" Coax	Yes	4.32	0.000	1.98	0.71	0.00	25.132	0.174	1.221	0.00	19.14
60.00	(2) 1/2" Coax	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	1.17
60.00	(1) 2" Conduit	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	14.20
60.00	(6) 5/16" Coax	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	1.05
60.00	(1) 1 1/4" Fiber	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	4.09
60.00	(10) 1 5/8" Coax	Yes	4.32	0.000	1.98	0.71	0.00	25.132	0.174	1.221	0.00	31.90
60.00	(2) 1/2" Coax	Yes	4.32	0.000	0.00	0.00	0.00	25.132	0.174	1.221	0.00	1.17
60.00	(4) DYWIDAG	Yes	4.32	0.000	2.06	0.74	0.00	25.132	0.174	1.221	0.00	0.00
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	25.713	0.155	1.164	0.00	22.14
65.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	1.35
65.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	16.42
65.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	1.22
65.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	4.72
65.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	25.713	0.155	1.164	0.00	36.90
65.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	25.713	0.155	1.164	0.00	1.35
65.00	(4) DYWIDAG	Yes	3.00	0.000	2.06	0.51	0.00	25.713	0.155	1.164	0.00	0.00
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	26.263	0.122	1.065	0.00	22.14
70.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	1.35
70.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	16.42
70.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	1.22
70.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	4.72
70.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	26.263	0.122	1.065	0.00	36.90
70.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.263	0.122	1.065	0.00	1.35
75.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	26.786	0.126	1.078	0.00	22.14
75.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	1.35
75.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	16.42
75.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	1.22
75.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	4.72
75.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	26.786	0.126	1.078	0.00	36.90
75.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	26.786	0.126	1.078	0.00	1.35
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	27.285	0.131	1.092	0.00	22.14
80.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	1.35
80.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	16.42
80.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	1.22
80.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	4.72
80.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	27.285	0.131	1.092	0.00	36.90
80.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	27.285	0.131	1.092	0.00	1.35
80.75	(6) 1 5/8" Coax	Yes	0.75	0.000	1.98	0.12	0.00	27.357	0.133	1.100	0.00	3.31
80.75	(2) 1/2" Coax	Yes	0.75	0.000	0.00	0.00	0.00	27.357	0.133	1.100	0.00	0.20
80.75	(1) 2" Conduit	Yes	0.75	0.000	0.00	0.00	0.00	27.357	0.133	1.100	0.00	2.46
80.75	(6) 5/16" Coax	Yes	0.75	0.000	0.00	0.00	0.00	27.357	0.133	1.100	0.00	0.18
80.75	(1) 1 1/4" Fiber	Yes	0.75	0.000	0.00	0.00	0.00	27.357	0.133	1.100	0.00	0.71
80.75	(10) 1 5/8" Coax	Yes	0.75	0.000	1.98	0.12	0.00	27.357	0.133	1.100	0.00	5.52
84.90	(6) 1 5/8" Coax	Yes	4.15	0.000	1.98	0.68	0.00	27.752	0.136	1.108	0.00	18.38
84.90	(2) 1/2" Coax	Yes	4.15	0.000	0.00	0.00	0.00	27.752	0.136	1.108	0.00	1.12
84.90	(1) 2" Conduit	Yes	4.15	0.000	0.00	0.00	0.00	27.752	0.136	1.108	0.00	13.64
84.90	(6) 5/16" Coax	Yes	4.15	0.000	0.00	0.00	0.00	27.752	0.136	1.108	0.00	1.01
84.90	(1) 1 1/4" Fiber	Yes	4.15	0.000	0.00	0.00	0.00	27.752	0.136	1.108	0.00	3.92
84.90	(10) 1 5/8" Coax	Yes	4.15	0.000	1.98	0.68	0.00	27.752	0.136	1.108	0.00	30.63
85.00	(6) 1 5/8" Coax	Yes	0.10	0.000	1.98	0.02	0.00	27.761	0.136	1.107	0.00	0.44
85.00	(2) 1/2" Coax	Yes	0.10	0.000	0.00	0.00	0.00	27.761	0.136	1.107	0.00	0.03
85.00	(1) 2" Conduit	Yes	0.10	0.000	0.00	0.00	0.00	27.761	0.136	1.107	0.00	0.33
85.00	(6) 5/16" Coax	Yes	0.10	0.000	0.00	0.00	0.00	27.761	0.136	1.107	0.00	0.02

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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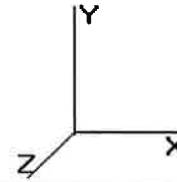
Load Case: 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

85.00	(1) 1 1/4" Fiber	Yes	0.10	0.000	0.00	0.00	0.00	27.761	0.136	1.107	0.00	0.09
85.00	(10) 1 5/8" Coax	Yes	0.10	0.000	1.98	0.02	0.00	27.761	0.136	1.107	0.00	0.74
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	28.219	0.138	1.115	0.00	22.14
90.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	28.219	0.138	1.115	0.00	1.35
90.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	28.219	0.138	1.115	0.00	16.42
90.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	28.219	0.138	1.115	0.00	1.22
90.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	28.219	0.138	1.115	0.00	4.72
90.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	28.219	0.138	1.115	0.00	36.90
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	28.658	0.072	0.000	0.00	22.14
95.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	28.658	0.072	0.000	0.00	1.35
95.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	28.658	0.072	0.000	0.00	16.42
95.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	28.658	0.072	0.000	0.00	1.22
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	29.081	0.075	0.000	0.00	22.14
100.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.081	0.075	0.000	0.00	1.35
100.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	29.081	0.075	0.000	0.00	16.42
100.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.081	0.075	0.000	0.00	1.22
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	29.489	0.078	0.000	0.00	22.14
105.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.489	0.078	0.000	0.00	1.35
105.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	29.489	0.078	0.000	0.00	16.42
105.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.489	0.078	0.000	0.00	1.22
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	29.884	0.082	0.000	0.00	22.14
110.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.884	0.082	0.000	0.00	1.35
110.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	29.884	0.082	0.000	0.00	16.42
110.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	29.884	0.082	0.000	0.00	1.22
115.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	30.266	0.086	0.000	0.00	22.14
115.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	30.266	0.086	0.000	0.00	1.35
115.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	30.266	0.086	0.000	0.00	16.42
115.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	30.266	0.086	0.000	0.00	1.22
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	30.636	0.090	0.000	0.00	22.14
120.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	30.636	0.090	0.000	0.00	1.35
120.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	30.636	0.090	0.000	0.00	16.42
120.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	30.636	0.090	0.000	0.00	1.22
125.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	30.995	0.095	0.000	0.00	22.14
125.8	(6) 1 5/8" Coax	Yes	0.80	0.000	1.98	0.13	0.00	31.052	0.098	0.000	0.00	3.54
130.0	(6) 1 5/8" Coax	Yes	4.20	0.000	1.98	0.69	0.00	31.345	0.184	1.253	0.00	18.59
131.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	31.413	0.184	1.253	0.00	4.43
135.0	(6) 1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	31.684	0.184	1.253	0.00	17.71
136.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	31.751	0.184	1.253	0.00	4.43
Totals:											0.00	1,828.66

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 0.9D + 1.6W 110.00 mph with No Ice (Reduced DL) 25 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

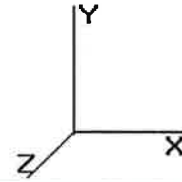
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	695.43	1,584.78	0.00	0.00
10.00	678.81	1,561.85	0.00	0.00
15.00	662.18	1,538.91	0.00	0.00
20.00	645.55	1,515.98	0.00	0.00
25.00	628.93	1,493.04	0.00	0.00
30.00	612.82	1,470.11	0.00	0.00
35.00	623.02	1,447.17	0.00	0.00
40.00	629.18	1,424.24	0.00	0.00
40.24	30.25	68.82	0.00	0.00
45.00	613.34	1,971.17	0.00	0.00
45.40	50.93	163.97	0.00	0.00
50.00	593.32	1,183.52	0.00	0.00
55.00	643.71	1,267.54	0.00	0.00
55.68	85.94	170.11	0.00	0.00
60.00	551.83	788.99	0.00	0.00
65.00	633.67	894.22	0.00	0.00
70.00	676.41	902.10	0.00	0.00
75.00	616.87	854.23	0.00	0.00
80.00	1,003.08	928.71	0.00	304.16
80.75	89.11	123.04	0.00	0.00
84.90	500.95	964.89	0.00	0.00
85.00	11.93	12.92	0.00	0.00
90.00	3,915.59	3,002.27	0.00	0.00
95.00	578.32	567.14	0.00	0.00
100.0	4,824.49	2,749.17	0.00	0.00
105.0	547.49	490.80	0.00	0.00
110.0	4,388.30	2,642.20	0.00	0.00
115.0	513.05	420.32	0.00	0.00
120.0	5,069.78	2,981.39	0.00	0.00
125.0	475.38	339.48	0.00	0.00
125.8	73.92	53.13	0.00	0.00
130.0	124.52	235.76	0.00	0.00
131.0	4,328.52	2,560.30	0.00	0.00
135.0	119.89	167.73	0.00	0.00
136.0	754.67	240.38	0.00	0.00
140.0	121.15	149.73	0.00	0.00
142.0	60.82	74.86	0.00	0.00
Totals:	37,173.16	39,005.00	0.00	304.16

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 0.9D + 1.6W 110.00 mph with No Ice (Reduced DL) 25 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

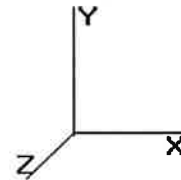
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-38.93	-37.25	0.00	-3,512.28	0.00	3,512.28	4,350.13	2,175.06	7,987.32	3,944.64	0.00	0.00	0.636
5.00	-37.21	-36.69	0.00	-3,326.04	0.00	3,326.04	4,285.51	2,142.75	7,679.11	3,792.42	0.12	-0.22	0.621
10.00	-35.52	-36.14	0.00	-3,142.59	0.00	3,142.59	4,218.97	2,109.49	7,373.27	3,641.38	0.46	-0.43	0.605
15.00	-33.85	-35.59	0.00	-2,961.90	0.00	2,961.90	4,150.52	2,075.26	7,070.06	3,491.64	1.03	-0.65	0.588
20.00	-32.20	-35.05	0.00	-2,783.94	0.00	2,783.94	4,080.16	2,040.08	6,769.73	3,343.32	1.83	-0.87	0.571
25.00	-30.59	-34.51	0.00	-2,608.69	0.00	2,608.69	4,007.88	2,003.94	6,472.54	3,196.54	2.87	-1.09	0.553
30.00	-29.00	-33.98	0.00	-2,436.12	0.00	2,436.12	3,933.69	1,966.85	6,178.73	3,051.44	4.13	-1.32	0.535
35.00	-27.44	-33.43	0.00	-2,266.20	0.00	2,266.20	3,854.52	1,927.26	5,883.88	2,905.83	5.63	-1.54	0.516
40.00	-25.97	-32.81	0.00	-2,099.05	0.00	2,099.05	3,744.12	1,872.06	5,549.75	2,740.81	7.36	-1.76	0.500
40.24	-25.84	-32.83	0.00	-2,091.06	0.00	2,091.06	3,738.74	1,869.37	5,533.72	2,732.90	7.45	-1.77	0.499
45.00	-23.83	-32.20	0.00	-1,934.91	0.00	1,934.91	3,633.72	1,816.86	5,225.39	2,580.62	9.32	-1.98	0.476
45.40	-23.60	-32.19	0.00	-1,922.03	0.00	1,922.03	3,063.79	1,531.89	4,506.32	2,225.50	9.48	-2.00	0.530
50.00	-22.32	-31.63	0.00	-1,773.96	0.00	1,773.96	3,008.67	1,504.34	4,302.82	2,125.00	11.51	-2.19	0.505
55.00	-21.02	-30.99	0.00	-1,615.79	0.00	1,615.79	2,946.93	1,473.46	4,084.17	2,017.02	13.93	-2.42	0.476
55.68	-20.79	-30.93	0.00	-1,594.81	0.00	1,594.81	2,938.42	1,469.21	4,054.78	2,002.51	14.27	-2.45	0.473
55.68	-20.79	-30.93	0.00	-1,594.81	0.00	1,594.81	2,938.42	1,469.21	4,054.78	2,002.51	14.27	-2.45	0.804
60.00	-19.88	-30.45	0.00	-1,461.08	0.00	1,461.08	2,883.27	1,441.64	3,868.42	1,910.47	16.58	-2.64	0.772
65.00	-18.82	-29.89	0.00	-1,308.86	0.00	1,308.86	2,808.41	1,404.21	3,643.77	1,799.52	19.54	-3.01	0.734
70.00	-17.78	-29.28	0.00	-1,159.41	0.00	1,159.41	2,713.79	1,356.89	3,400.96	1,679.60	22.88	-3.37	0.697
75.00	-16.79	-28.71	0.00	-1,013.04	0.00	1,013.04	2,619.16	1,309.58	3,166.52	1,563.83	26.60	-3.72	0.655
80.00	-15.84	-27.70	0.00	-869.19	0.00	869.19	2,524.53	1,262.26	2,940.46	1,452.18	30.68	-4.06	0.605
80.75	-15.64	-27.65	0.00	-848.46	0.00	848.46	2,510.36	1,255.18	2,907.34	1,435.82	31.32	-4.12	0.598
84.90	-14.65	-27.11	0.00	-733.70	0.00	733.70	1,500.18	750.09	1,728.96	853.87	35.02	-4.39	0.870
85.00	-14.54	-27.15	0.00	-730.98	0.00	730.98	1,499.54	749.77	1,726.89	852.85	35.11	-4.39	0.868
90.00	-11.70	-23.09	0.00	-595.21	0.00	595.21	1,466.64	733.32	1,624.12	802.09	39.94	-4.81	0.751
95.00	-11.04	-22.54	0.00	-479.76	0.00	479.76	1,431.82	715.91	1,522.23	751.77	45.19	-5.20	0.647
100.00	-8.66	-17.52	0.00	-367.08	0.00	367.08	1,395.09	697.54	1,421.47	702.01	50.81	-5.54	0.530
105.00	-8.14	-16.97	0.00	-279.46	0.00	279.46	1,356.44	678.22	1,322.10	652.93	56.77	-5.84	0.435
110.00	-5.93	-12.35	0.00	-194.62	0.00	194.62	1,315.88	657.94	1,224.36	604.67	63.01	-6.08	0.327
115.00	-5.53	-11.81	0.00	-132.86	0.00	132.86	1,273.40	636.70	1,128.51	557.33	69.48	-6.28	0.243
120.00	-3.11	-6.45	0.00	-73.79	0.00	73.79	1,215.41	607.71	1,023.36	505.40	76.13	-6.42	0.149
125.00	-2.83	-5.94	0.00	-41.54	0.00	41.54	1,152.33	576.16	919.28	454.00	82.89	-6.51	0.094
125.80	-2.78	-5.86	0.00	-36.78	0.00	36.78	1,142.23	571.11	903.13	446.02	83.98	-6.53	0.085
125.80	-2.78	-5.86	0.00	-36.78	0.00	36.78	385.02	192.51	160.54	106.00	83.98	-6.53	0.355
130.00	-2.56	-5.72	0.00	-12.15	0.00	12.15	385.02	192.51	160.54	106.00	89.73	-6.57	0.122
131.00	-0.51	-1.12	0.00	-6.44	0.00	6.44	385.02	192.51	160.54	106.00	91.10	-6.58	0.062
135.00	-0.35	-0.98	0.00	-1.95	0.00	1.95	385.02	192.51	160.54	106.00	96.62	-6.61	0.019
136.00	-0.20	-0.21	0.00	-0.96	0.00	0.96	385.02	192.51	160.54	106.00	98.00	-6.61	0.010
140.00	-0.07	-0.07	0.00	-0.14	0.00	0.14	385.02	192.51	160.54	106.00	103.53	-6.62	0.001
142.00	0.00	-0.06	0.00	0.00	0.00	0.00	385.02	192.51	160.54	106.00	106.30	-6.62	0.000

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

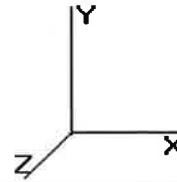
Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.242	5.00	20.217	24.26	113.6	363.4	1,963.8
10.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.331	5.00	19.833	23.80	111.4	381.0	1,950.9
15.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.386	5.00	19.420	23.30	109.1	387.7	1,927.0
20.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.427	5.00	18.995	22.79	106.7	389.6	1,898.3
25.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.459	5.00	18.563	22.28	104.3	388.6	1,866.7
30.00		1.00	0.70	4.260	4.686	0.000	1.200	* 1.486	5.00	18.127	21.75	101.9	385.8	1,833.3
35.00		1.00	0.73	4.451	4.897	0.000	1.200	* 1.509	5.00	17.688	21.23	103.9	381.6	1,798.5
40.00		1.00	0.76	4.625	5.087	0.000	1.200	* 1.529	5.00	17.246	20.70	105.3	376.4	1,762.7
40.24	Bot - Section 2	1.00	0.76	4.633	5.096	0.000	1.200	* 1.530	0.24	0.829	0.99	5.1	18.3	85.1
45.00		1.00	0.78	4.783	5.261	0.000	1.200	* 1.547	4.76	16.281	19.54	102.8	359.4	2,500.0
45.40	Top - Section 1	1.00	0.78	4.795	5.274	0.000	1.200	* 1.549	0.40	1.350	1.62	8.5	30.2	207.8
50.00		1.00	0.81	4.929	5.422	0.000	1.200	* 1.564	4.60	15.330	18.40	99.7	341.6	1,448.0
55.00		1.00	0.83	5.065	5.572	0.000	1.200	* 1.579	5.00	16.235	19.48	108.5	364.1	1,541.5
55.68	Reinf. Top	1.00	0.83	5.083	5.591	0.000	1.200	* 1.581	0.68	2.163	2.60	14.5	49.2	206.6
60.00		1.00	0.85	5.193	5.712	0.000	1.200	* 1.592	4.32	13.623	16.35	93.4	308.2	1,013.2
65.00		1.00	0.87	5.313	5.844	0.000	1.200	* 1.605	5.00	15.340	18.41	107.6	348.3	1,139.3
70.00	Appertunance(s)	1.00	0.89	5.426	5.969	0.000	1.200	* 1.617	5.00	14.891	17.87	106.7	339.9	1,104.7
75.00		1.00	0.91	5.534	6.088	0.000	1.200	* 1.628	5.00	14.442	17.33	105.5	331.2	1,069.7
80.00	Appertunance(s)	1.00	0.92	5.637	6.201	0.000	1.200	* 1.639	5.00	13.992	16.79	104.1	322.1	1,034.5
80.75	Bot - Section 3	1.00	0.93	5.652	6.218	0.000	1.200	* 1.640	0.75	2.055	2.47	15.3	48.0	152.4
84.90	Top - Section 2	1.00	0.94	5.734	6.307	0.000	1.200	* 1.649	4.15	11.397	13.68	86.3	264.3	1,219.9
85.00		1.00	0.94	5.736	6.309	0.000	1.200	* 1.649	0.10	0.272	0.33	2.1	6.4	15.6
90.00	Appertunance(s)	1.00	0.95	5.830	6.413	0.000	1.200	* 1.658	5.00	13.307	15.97	102.4	308.7	758.9
95.00		1.00	0.97	5.921	6.513	0.000	1.200	* 1.667	5.00	12.856	15.43	100.5	298.9	731.7
100.0	Appertunance(s)	1.00	0.98	6.008	6.609	0.000	1.200	* 1.676	5.00	12.404	14.88	98.4	289.0	704.3
105.0		1.00	1.00	6.093	6.702	0.000	1.200	* 1.684	5.00	11.952	14.34	96.1	278.9	676.7
110.0	Appertunance(s)	1.00	1.01	6.174	6.792	0.000	1.200	* 1.692	5.00	11.500	13.80	93.7	268.6	649.0
115.0		1.00	1.02	6.253	6.879	0.000	1.200	* 1.699	5.00	11.048	13.26	91.2	258.2	621.1
120.0	Appertunance(s)	1.00	1.04	6.330	6.963	0.000	1.200	* 1.707	5.00	10.595	12.71	88.5	247.6	593.0
125.0		1.00	1.05	6.404	7.044	0.000	1.200	* 1.714	5.00	10.142	12.17	85.7	236.9	564.8
125.8	Top - Section 3	1.00	1.05	6.416	7.057	0.000	1.200	* 1.715	0.80	1.581	1.90	13.4	37.6	88.5
130.0		1.00	1.06	6.476	7.124	0.000	1.200	* 1.720	4.20	4.966	5.96	42.5	110.0	319.6
131.0	Appertunance(s)	1.00	1.06	6.490	7.139	0.000	1.200	* 1.722	1.00	1.183	1.42	10.1	26.2	76.1
135.0		1.00	1.07	6.546	7.201	0.000	1.200	* 1.727	4.00	4.735	5.68	40.9	105.2	304.9
136.0	Appertunance(s)	1.00	1.07	6.560	7.216	0.000	1.200	* 1.728	1.00	1.184	1.42	10.3	26.3	76.2
140.0		1.00	1.08	6.615	7.276	0.000	1.200	* 1.733	4.00	4.739	5.69	41.4	105.7	305.3
142.0		1.00	1.09	6.642	7.306	0.000	1.200	* 1.736	2.00	2.370	2.84	20.8	52.9	152.7
* = Cf Adjusted By Linear Load Ra Effect								Totals:	142.00			2,752.2	8,836.1	34,362.3

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides, Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 23 Iterations

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

Dead Load Factor : 1.20 Ice Importance Factor : 1.00

Wind Load Factor : 1.00

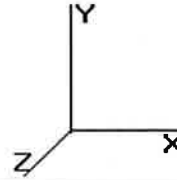
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
70.00	PCTEL GPS-TMG-HR-	1	5.426	5.969	1.00	1.00	0.26	0.000	0.000	1.54	0.00	0.00	10.11
70.00	Stand-Off	1	5.426	5.969	1.00	1.00	1.49	0.000	0.000	8.86	0.00	0.00	29.58
80.00	Diamond X50A	2	5.693	6.262	1.00	1.00	4.86	0.000	2.800	30.45	0.00	85.26	115.34
80.00	Stand-Offs	2	5.637	6.201	1.00	1.00	8.95	0.000	0.000	55.50	0.00	0.00	265.89
90.00	Flat Platform w/ Han	1	5.830	6.413	0.90	1.00	56.13	0.000	0.000	359.99	0.00	0.00	3,303.16
90.00	RFS ATMAA1412D-	4	5.830	6.413	0.50	0.75	2.11	0.000	0.000	13.55	0.00	0.00	193.63
90.00	Ericsson AIR 21, 1.3	4	5.830	6.413	0.86	0.75	18.29	0.000	0.000	117.32	0.00	0.00	1,034.70
90.00	Ericsson AIR 21, 1.3	3	5.830	6.413	0.85	0.75	13.65	0.000	0.000	87.51	0.00	0.00	770.49
100.0	Flat Platform w/ Han	1	6.008	6.609	0.90	1.00	56.32	0.000	0.000	372.25	0.00	0.00	3,317.50
100.0	Rymsa MGD3-800TX	3	6.008	6.609	0.82	0.75	7.82	0.000	0.000	51.67	0.00	0.00	303.27
100.0	Allgon P65-16-XL-2	3	6.008	6.609	0.75	0.75	15.82	0.000	0.000	104.55	0.00	0.00	638.08
100.0	RFS FD9R6004/1C-3L	6	6.008	6.609	0.50	0.75	1.28	0.000	0.000	8.46	0.00	0.00	96.35
100.0	Alcatel-Lucent RRH2x	3	6.008	6.609	0.67	0.75	4.18	0.000	0.000	27.66	0.00	0.00	368.03
100.0	RFS DB-T1-6Z-8AB-0Z	1	6.008	6.609	0.50	0.75	2.11	0.000	0.000	13.97	0.00	0.00	184.26
100.0	Antel BXA-70080/6CF	3	6.008	6.609	0.88	0.75	13.91	0.000	0.000	91.95	0.00	0.00	496.25
100.0	Antel BXA-171063/12C	3	6.008	6.609	0.72	0.75	9.63	0.000	0.000	63.68	0.00	0.00	396.78
110.0	Flat Platform w/ Han	1	6.174	6.792	0.90	1.00	56.50	0.000	0.000	383.71	0.00	0.00	3,330.59
110.0	72" x 12" Panel	3	6.174	6.792	0.67	0.75	14.15	0.000	0.000	96.11	0.00	0.00	716.01
110.0	48" x 12" Panel	9	6.174	6.792	0.67	0.75	27.22	0.000	0.000	184.90	0.00	0.00	1,479.51
120.0	Flat Platform w/ Han	1	6.330	6.963	0.90	1.00	56.66	0.000	0.000	394.48	0.00	0.00	3,342.66
120.0	Decibel DB980H80E-M	6	6.330	6.963	0.79	0.75	17.16	0.000	0.000	119.47	0.00	0.00	590.79
120.0	NextNet BTS-2500	3	6.330	6.963	0.50	0.75	2.68	0.000	0.000	18.67	0.00	0.00	294.60
120.0	DragonWave A-ANT-	2	6.330	6.963	0.67	0.75	5.97	0.000	0.000	41.56	0.00	0.00	200.30
120.0	DragonWave Horizon	2	6.330	6.963	0.50	0.75	0.49	0.000	0.000	3.41	0.00	0.00	84.11
120.0	Argus LLPX310R	3	6.330	6.963	0.73	0.75	8.49	0.000	0.000	59.10	0.00	0.00	417.68
120.0	RFS APXVSP18-C-	3	6.330	6.963	0.69	0.75	14.41	0.000	0.000	100.36	0.00	0.00	788.54
120.0	Alcatel-Lucent 1900	3	6.330	6.963	0.67	0.75	4.49	0.000	0.000	31.25	0.00	0.00	493.83
120.0	Alcatel-Lucent 800 M	3	6.330	6.963	0.67	0.75	3.98	0.000	0.000	27.72	0.00	0.00	495.48
131.0	Flat Platform w/ Han	1	6.490	7.139	0.90	1.00	56.82	0.000	0.000	405.65	0.00	0.00	3,354.92
131.0	Powerwave 7770	6	6.490	7.139	0.65	0.75	19.14	0.000	0.000	136.67	0.00	0.00	1,049.16
131.0	Powerwave LGP21401	6	6.490	7.139	0.50	0.75	3.50	0.000	0.000	25.01	0.00	0.00	299.65
131.0	Powerwave LGP219nn	6	6.490	7.139	0.50	0.75	0.96	0.000	0.000	6.83	0.00	0.00	113.67
131.0	Powerwave P65-16-	3	6.490	7.139	0.67	0.75	14.19	0.000	0.000	101.28	0.00	0.00	756.51
131.0	Ericsson RRUS 11	6	6.490	7.139	0.67	0.75	9.66	0.000	0.000	68.99	0.00	0.00	796.92
131.0	Raycap DC6-48-60-18-	1	6.490	7.139	0.50	0.75	1.07	0.000	0.000	7.61	0.00	0.00	129.58
136.0	Kathrein 742-218 / A	3	6.560	7.216	0.73	0.80	8.34	0.000	0.000	60.21	0.00	0.00	345.16
136.0	Stand-Offs	3	6.560	7.216	0.67	1.00	9.16	0.000	0.000	66.07	0.00	0.00	-1,637.42
136.0	Generic RCU	3	6.560	7.216	0.50	0.80	0.43	0.000	0.000	3.11	0.00	0.00	33.65
										3,751.08			28,999.31

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides, Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 23 Iterations

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

Dead Load Factor : 1.20 Ice Importance Factor : 1.00

Wind Load Factor : 1.00

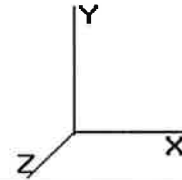
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	1.86	0.00	4.256	0.131	1.092	0.00	106.14
5.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.131	1.092	0.00	17.64
5.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.131	1.092	0.00	45.18
5.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.131	1.092	0.00	20.42
5.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.131	1.092	0.00	22.41
5.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	1.86	0.00	4.256	0.131	1.092	0.00	170.61
5.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.131	1.092	0.00	17.64
5.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	1.89	0.00	4.256	0.131	1.092	0.00	68.16
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	1.93	0.00	4.256	0.134	1.102	0.00	111.66
10.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.134	1.102	0.00	19.48
10.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.134	1.102	0.00	47.41
10.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.134	1.102	0.00	22.48
10.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.134	1.102	0.00	24.25
10.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	1.93	0.00	4.256	0.134	1.102	0.00	178.88
10.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.134	1.102	0.00	19.48
10.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	1.97	0.00	4.256	0.134	1.102	0.00	73.03
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	1.98	0.00	4.256	0.137	1.112	0.00	115.12
15.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.137	1.112	0.00	20.66
15.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.137	1.112	0.00	48.83
15.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.137	1.112	0.00	23.80
15.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.137	1.112	0.00	25.43
15.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	1.98	0.00	4.256	0.137	1.112	0.00	184.04
15.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.137	1.112	0.00	20.66
15.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	2.01	0.00	4.256	0.137	1.112	0.00	76.08
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.01	0.00	4.256	0.141	1.123	0.00	117.68
20.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.141	1.123	0.00	21.56
20.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.141	1.123	0.00	49.90
20.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.141	1.123	0.00	24.79
20.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.141	1.123	0.00	26.32
20.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.01	0.00	4.256	0.141	1.123	0.00	187.85
20.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.141	1.123	0.00	21.56
20.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	2.05	0.00	4.256	0.141	1.123	0.00	78.35
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.04	0.00	4.256	0.145	1.134	0.00	119.74
25.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.145	1.134	0.00	22.28
25.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.145	1.134	0.00	50.77
25.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.145	1.134	0.00	25.59
25.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.145	1.134	0.00	27.05
25.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.04	0.00	4.256	0.145	1.134	0.00	190.89
25.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.145	1.134	0.00	22.28
25.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	2.07	0.00	4.256	0.145	1.134	0.00	80.17
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.06	0.00	4.260	0.149	1.146	0.00	121.46
30.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.149	1.146	0.00	22.90
30.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.149	1.146	0.00	51.50
30.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.149	1.146	0.00	26.27
30.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.149	1.146	0.00	27.66
30.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.06	0.00	4.260	0.149	1.146	0.00	193.44
30.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.149	1.146	0.00	22.90
30.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	2.10	0.00	4.260	0.149	1.146	0.00	81.70
35.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.08	0.00	4.451	0.153	1.158	0.00	122.95
35.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.451	0.153	1.158	0.00	23.43
35.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	4.451	0.153	1.158	0.00	52.14

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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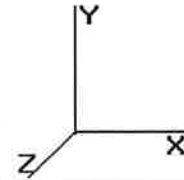
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

35.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.451	0.153	1.158	0.00	26.87
35.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	4.451	0.153	1.158	0.00	28.19
35.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.08	0.00	4.451	0.153	1.158	0.00	195.64
35.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.451	0.153	1.158	0.00	23.43
35.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	2.12	0.00	4.451	0.153	1.158	0.00	83.02
40.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.10	0.00	4.625	0.157	1.171	0.00	124.26
40.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.625	0.157	1.171	0.00	23.91
40.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	4.625	0.157	1.171	0.00	52.70
40.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.625	0.157	1.171	0.00	27.39
40.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	4.625	0.157	1.171	0.00	28.67
40.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.10	0.00	4.625	0.157	1.171	0.00	197.58
40.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.625	0.157	1.171	0.00	23.91
40.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	2.13	0.00	4.625	0.157	1.171	0.00	84.18
40.24	(6) 1 5/8" Coax	Yes	0.24	0.000	1.98	0.10	0.00	4.633	0.159	1.178	0.00	6.06
40.24	(2) 1/2" Coax	Yes	0.24	0.000	0.00	0.00	0.00	4.633	0.159	1.178	0.00	1.17
40.24	(1) 2" Conduit	Yes	0.24	0.000	0.00	0.00	0.00	4.633	0.159	1.178	0.00	2.57
40.24	(6) 5/16" Coax	Yes	0.24	0.000	0.00	0.00	0.00	4.633	0.159	1.178	0.00	1.34
40.24	(1) 1 1/4" Fiber	Yes	0.24	0.000	0.00	0.00	0.00	4.633	0.159	1.178	0.00	1.40
40.24	(10) 1 5/8" Coax	Yes	0.24	0.000	1.98	0.10	0.00	4.633	0.159	1.178	0.00	9.63
40.24	(2) 1/2" Coax	Yes	0.24	0.000	0.00	0.00	0.00	4.633	0.159	1.178	0.00	1.17
40.24	(4) DYWIDAG	Yes	0.24	0.000	2.06	0.10	0.00	4.633	0.159	1.178	0.00	4.10
45.00	(6) 1 5/8" Coax	Yes	4.76	0.000	1.98	2.01	0.00	4.783	0.162	1.185	0.00	119.33
45.00	(2) 1/2" Coax	Yes	4.76	0.000	0.00	0.00	0.00	4.783	0.162	1.185	0.00	23.15
45.00	(1) 2" Conduit	Yes	4.76	0.000	0.00	0.00	0.00	4.783	0.162	1.185	0.00	50.62
45.00	(6) 5/16" Coax	Yes	4.76	0.000	0.00	0.00	0.00	4.783	0.162	1.185	0.00	26.51
45.00	(1) 1 1/4" Fiber	Yes	4.76	0.000	0.00	0.00	0.00	4.783	0.162	1.185	0.00	27.68
45.00	(10) 1 5/8" Coax	Yes	4.76	0.000	1.98	2.01	0.00	4.783	0.162	1.185	0.00	189.60
45.00	(2) 1/2" Coax	Yes	4.76	0.000	0.00	0.00	0.00	4.783	0.162	1.185	0.00	23.15
45.00	(4) DYWIDAG	Yes	4.76	0.000	2.06	2.04	0.00	4.783	0.162	1.185	0.00	81.07
45.40	(6) 1 5/8" Coax	Yes	0.40	0.000	1.98	0.17	0.00	4.795	0.164	1.193	0.00	10.04
45.40	(2) 1/2" Coax	Yes	0.40	0.000	0.00	0.00	0.00	4.795	0.164	1.193	0.00	1.95
45.40	(1) 2" Conduit	Yes	0.40	0.000	0.00	0.00	0.00	4.795	0.164	1.193	0.00	4.26
45.40	(6) 5/16" Coax	Yes	0.40	0.000	0.00	0.00	0.00	4.795	0.164	1.193	0.00	2.23
45.40	(1) 1 1/4" Fiber	Yes	0.40	0.000	0.00	0.00	0.00	4.795	0.164	1.193	0.00	2.33
45.40	(10) 1 5/8" Coax	Yes	0.40	0.000	1.98	0.17	0.00	4.795	0.164	1.193	0.00	15.95
45.40	(2) 1/2" Coax	Yes	0.40	0.000	0.00	0.00	0.00	4.795	0.164	1.193	0.00	1.95
45.40	(4) DYWIDAG	Yes	0.40	0.000	2.06	0.17	0.00	4.795	0.164	1.193	0.00	6.82
50.00	(6) 1 5/8" Coax	Yes	4.60	0.000	1.98	1.96	0.00	4.929	0.163	1.190	0.00	116.39
50.00	(2) 1/2" Coax	Yes	4.60	0.000	0.00	0.00	0.00	4.929	0.163	1.190	0.00	22.75
50.00	(1) 2" Conduit	Yes	4.60	0.000	0.00	0.00	0.00	4.929	0.163	1.190	0.00	49.38
50.00	(6) 5/16" Coax	Yes	4.60	0.000	0.00	0.00	0.00	4.929	0.163	1.190	0.00	26.03
50.00	(1) 1 1/4" Fiber	Yes	4.60	0.000	0.00	0.00	0.00	4.929	0.163	1.190	0.00	27.13
50.00	(10) 1 5/8" Coax	Yes	4.60	0.000	1.98	1.96	0.00	4.929	0.163	1.190	0.00	184.82
50.00	(2) 1/2" Coax	Yes	4.60	0.000	0.00	0.00	0.00	4.929	0.163	1.190	0.00	22.75
50.00	(4) DYWIDAG	Yes	4.60	0.000	2.06	1.99	0.00	4.929	0.163	1.190	0.00	79.28
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.14	0.00	5.065	0.168	1.204	0.00	127.49
55.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.168	1.204	0.00	25.09
55.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.168	1.204	0.00	54.10
55.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.168	1.204	0.00	28.69
55.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.168	1.204	0.00	29.85
55.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.14	0.00	5.065	0.168	1.204	0.00	202.33
55.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.168	1.204	0.00	25.09
55.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	2.17	0.00	5.065	0.168	1.204	0.00	87.05
55.68	(6) 1 5/8" Coax	Yes	0.68	0.000	1.98	0.29	0.00	5.083	0.171	1.213	0.00	17.28
55.68	(2) 1/2" Coax	Yes	0.68	0.000	0.00	0.00	0.00	5.083	0.171	1.213	0.00	3.40
55.68	(1) 2" Conduit	Yes	0.68	0.000	0.00	0.00	0.00	5.083	0.171	1.213	0.00	7.33
55.68	(6) 5/16" Coax	Yes	0.68	0.000	0.00	0.00	0.00	5.083	0.171	1.213	0.00	3.89

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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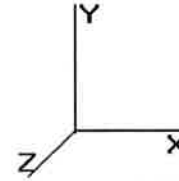
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

55.68	(1) 1 1/4" Fiber	Yes	0.68	0.000	0.00	0.00	0.00	5.083	0.171	1.213	0.00	4.05
55.68	(10) 1 5/8" Coax	Yes	0.68	0.000	1.98	0.29	0.00	5.083	0.171	1.213	0.00	27.42
55.68	(2) 1/2" Coax	Yes	0.68	0.000	0.00	0.00	0.00	5.083	0.171	1.213	0.00	3.40
55.68	(4) DYWIDAG	Yes	0.68	0.000	2.06	0.29	0.00	5.083	0.171	1.213	0.00	11.80
60.00	(6) 1 5/8" Coax	Yes	4.32	0.000	1.98	1.86	0.00	5.193	0.174	1.221	0.00	111.01
60.00	(2) 1/2" Coax	Yes	4.32	0.000	0.00	0.00	0.00	5.193	0.174	1.221	0.00	21.98
60.00	(1) 2" Conduit	Yes	4.32	0.000	0.00	0.00	0.00	5.193	0.174	1.221	0.00	47.11
60.00	(6) 5/16" Coax	Yes	4.32	0.000	0.00	0.00	0.00	5.193	0.174	1.221	0.00	25.13
60.00	(1) 1 1/4" Fiber	Yes	4.32	0.000	0.00	0.00	0.00	5.193	0.174	1.221	0.00	26.10
60.00	(10) 1 5/8" Coax	Yes	4.32	0.000	1.98	1.86	0.00	5.193	0.174	1.221	0.00	176.08
60.00	(2) 1/2" Coax	Yes	4.32	0.000	0.00	0.00	0.00	5.193	0.174	1.221	0.00	21.98
60.00	(4) DYWIDAG	Yes	4.32	0.000	2.06	1.89	0.00	5.193	0.174	1.221	0.00	75.95
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.16	0.00	5.313	0.155	1.164	0.00	129.23
65.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.155	1.164	0.00	25.74
65.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.155	1.164	0.00	54.86
65.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.155	1.164	0.00	29.41
65.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.155	1.164	0.00	30.50
65.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.16	0.00	5.313	0.155	1.164	0.00	204.89
65.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.155	1.164	0.00	25.74
65.00	(4) DYWIDAG	Yes	3.00	0.000	2.06	1.32	0.00	5.313	0.155	1.164	0.00	53.16
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.17	0.00	5.426	0.122	1.065	0.00	130.02
70.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.122	1.065	0.00	26.03
70.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.122	1.065	0.00	55.21
70.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.122	1.065	0.00	29.73
70.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.122	1.065	0.00	30.79
70.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.17	0.00	5.426	0.122	1.065	0.00	206.05
70.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.122	1.065	0.00	26.03
75.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.18	0.00	5.534	0.126	1.078	0.00	130.76
75.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.534	0.126	1.078	0.00	26.31
75.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	5.534	0.126	1.078	0.00	55.53
75.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.534	0.126	1.078	0.00	30.03
75.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	5.534	0.126	1.078	0.00	31.06
75.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.18	0.00	5.534	0.126	1.078	0.00	207.13
75.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.534	0.126	1.078	0.00	26.31
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.19	0.00	5.637	0.131	1.092	0.00	131.46
80.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.131	1.092	0.00	26.57
80.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.131	1.092	0.00	55.84
80.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.131	1.092	0.00	30.32
80.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.131	1.092	0.00	31.33
80.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.19	0.00	5.637	0.131	1.092	0.00	208.15
80.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.131	1.092	0.00	26.57
80.75	(6) 1 5/8" Coax	Yes	0.75	0.000	1.98	0.33	0.00	5.652	0.133	1.100	0.00	19.69
80.75	(2) 1/2" Coax	Yes	0.75	0.000	0.00	0.00	0.00	5.652	0.133	1.100	0.00	3.98
80.75	(1) 2" Conduit	Yes	0.75	0.000	0.00	0.00	0.00	5.652	0.133	1.100	0.00	8.37
80.75	(6) 5/16" Coax	Yes	0.75	0.000	0.00	0.00	0.00	5.652	0.133	1.100	0.00	4.55
80.75	(1) 1 1/4" Fiber	Yes	0.75	0.000	0.00	0.00	0.00	5.652	0.133	1.100	0.00	4.70
80.75	(10) 1 5/8" Coax	Yes	0.75	0.000	1.98	0.33	0.00	5.652	0.133	1.100	0.00	31.18
84.90	(6) 1 5/8" Coax	Yes	4.15	0.000	1.98	1.83	0.00	5.734	0.136	1.108	0.00	109.67
84.90	(2) 1/2" Coax	Yes	4.15	0.000	0.00	0.00	0.00	5.734	0.136	1.108	0.00	22.26
84.90	(1) 2" Conduit	Yes	4.15	0.000	0.00	0.00	0.00	5.734	0.136	1.108	0.00	46.60
84.90	(6) 5/16" Coax	Yes	4.15	0.000	0.00	0.00	0.00	5.734	0.136	1.108	0.00	25.40
84.90	(1) 1 1/4" Fiber	Yes	4.15	0.000	0.00	0.00	0.00	5.734	0.136	1.108	0.00	26.21
84.90	(10) 1 5/8" Coax	Yes	4.15	0.000	1.98	1.83	0.00	5.734	0.136	1.108	0.00	173.60
85.00	(6) 1 5/8" Coax	Yes	0.10	0.000	1.98	0.04	0.00	5.736	0.136	1.107	0.00	2.65
85.00	(2) 1/2" Coax	Yes	0.10	0.000	0.00	0.00	0.00	5.736	0.136	1.107	0.00	0.54
85.00	(1) 2" Conduit	Yes	0.10	0.000	0.00	0.00	0.00	5.736	0.136	1.107	0.00	1.13
85.00	(6) 5/16" Coax	Yes	0.10	0.000	0.00	0.00	0.00	5.736	0.136	1.107	0.00	0.61

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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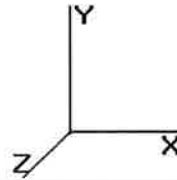
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

85.00	(1) 1 1/4" Fiber	Yes	0.10	0.000	0.00	0.00	0.00	5.736	0.136	1.107	0.00	0.63
85.00	(10) 1 5/8" Coax	Yes	0.10	0.000	1.98	0.04	0.00	5.736	0.136	1.107	0.00	4.20
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.21	0.00	5.830	0.138	1.115	0.00	132.74
90.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.830	0.138	1.115	0.00	27.05
90.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	5.830	0.138	1.115	0.00	56.41
90.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.830	0.138	1.115	0.00	30.86
90.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	5.830	0.138	1.115	0.00	31.81
90.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.21	0.00	5.830	0.138	1.115	0.00	210.04
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.21	0.00	5.921	0.072	0.000	0.00	133.34
95.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.921	0.072	0.000	0.00	27.28
95.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	5.921	0.072	0.000	0.00	56.68
95.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.921	0.072	0.000	0.00	31.10
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.22	0.00	6.008	0.075	0.000	0.00	133.91
100.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.008	0.075	0.000	0.00	27.50
100.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.008	0.075	0.000	0.00	56.93
100.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.008	0.075	0.000	0.00	31.34
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.23	0.00	6.093	0.078	0.000	0.00	134.46
105.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.093	0.078	0.000	0.00	27.71
105.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.093	0.078	0.000	0.00	57.18
105.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.093	0.078	0.000	0.00	31.57
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.23	0.00	6.174	0.082	0.000	0.00	134.98
110.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.174	0.082	0.000	0.00	27.91
110.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.174	0.082	0.000	0.00	57.41
110.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.174	0.082	0.000	0.00	31.79
115.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.24	0.00	6.253	0.086	0.000	0.00	135.49
115.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.253	0.086	0.000	0.00	28.10
115.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.253	0.086	0.000	0.00	57.64
115.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.253	0.086	0.000	0.00	32.00
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.25	0.00	6.330	0.090	0.000	0.00	135.98
120.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.330	0.090	0.000	0.00	28.29
120.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.330	0.090	0.000	0.00	57.85
120.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.330	0.090	0.000	0.00	32.21
125.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	2.25	0.00	6.404	0.095	0.000	0.00	136.44
125.8	(6) 1 5/8" Coax	Yes	0.80	0.000	1.98	0.36	0.00	6.416	0.098	0.000	0.00	21.86
130.0	(6) 1 5/8" Coax	Yes	4.20	0.000	1.98	1.90	0.00	6.476	0.184	1.253	0.00	114.98
131.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.45	0.00	6.490	0.184	1.253	0.00	27.40
135.0	(6) 1 5/8" Coax	Yes	4.00	0.000	1.98	1.81	0.00	6.546	0.184	1.253	0.00	109.87
136.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.45	0.00	6.560	0.184	1.253	0.00	27.48
Totals:											0.00	11,514.86

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 23 Iterations

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

Dead Load Factor : 1.20 Ice Importance Factor : 1.00

Wind Load Factor : 1.00

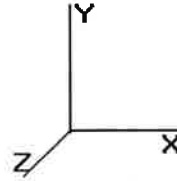
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	113.58	2,721.18	0.00	0.00
10.00	111.42	2,736.69	0.00	0.00
15.00	109.10	2,730.77	0.00	0.00
20.00	106.71	2,715.42	0.00	0.00
25.00	104.29	2,694.64	0.00	0.00
30.00	101.92	2,670.27	0.00	0.00
35.00	103.93	2,643.35	0.00	0.00
40.00	105.28	2,614.49	0.00	0.00
40.24	5.07	126.63	0.00	0.00
45.00	102.79	3,316.21	0.00	0.00
45.40	8.54	276.47	0.00	0.00
50.00	99.74	2,242.53	0.00	0.00
55.00	108.54	2,410.33	0.00	0.00
55.68	14.51	324.30	0.00	0.00
60.00	93.38	1,768.54	0.00	0.00
65.00	107.57	1,982.03	0.00	0.00
70.00	117.06	1,937.41	0.00	0.00
75.00	105.50	1,865.14	0.00	0.00
80.00	190.07	2,214.21	0.00	85.26
80.75	15.33	268.01	0.00	0.00
84.90	86.26	1,862.96	0.00	0.00
85.00	2.06	31.18	0.00	0.00
90.00	680.77	6,838.05	0.00	0.00
95.00	100.48	1,248.68	0.00	0.00
100.0	832.57	7,023.09	0.00	0.00
105.0	96.13	1,129.38	0.00	0.00
110.0	758.44	6,628.92	0.00	0.00
115.0	91.19	1,017.00	0.00	0.00
120.0	884.55	7,698.03	0.00	0.00
125.0	85.74	796.45	0.00	0.00
125.8	13.39	125.62	0.00	0.00
130.0	42.45	514.56	0.00	0.00
131.0	762.17	6,622.98	0.00	0.00
135.0	40.91	415.13	0.00	0.00
136.0	139.65	-1,154.79	0.00	0.00
140.0	41.38	305.32	0.00	0.00
142.0	20.78	152.74	0.00	0.00
Totals:	6,503.25	81,513.94	0.00	85.26

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

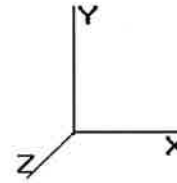
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-82.67	-6.53	0.00	-653.23	0.00	653.23	4,350.13	2,175.06	7,987.32	3,944.64	0.00	0.00	0.131
5.00	-79.94	-6.47	0.00	-620.57	0.00	620.57	4,285.51	2,142.75	7,679.11	3,792.42	0.02	-0.04	0.129
10.00	-77.20	-6.41	0.00	-588.20	0.00	588.20	4,218.97	2,109.49	7,373.27	3,641.38	0.09	-0.08	0.126
15.00	-74.46	-6.35	0.00	-556.13	0.00	556.13	4,150.52	2,075.26	7,070.06	3,491.64	0.19	-0.12	0.123
20.00	-71.74	-6.29	0.00	-524.36	0.00	524.36	4,080.16	2,040.08	6,769.73	3,343.32	0.34	-0.16	0.120
25.00	-69.05	-6.23	0.00	-492.90	0.00	492.90	4,007.88	2,003.94	6,472.54	3,196.54	0.54	-0.21	0.116
30.00	-66.37	-6.17	0.00	-461.75	0.00	461.75	3,933.69	1,966.85	6,178.73	3,051.44	0.77	-0.25	0.113
35.00	-63.72	-6.10	0.00	-430.92	0.00	430.92	3,854.52	1,927.26	5,883.88	2,905.83	1.05	-0.29	0.109
40.00	-61.11	-6.00	0.00	-400.43	0.00	400.43	3,744.12	1,872.06	5,549.75	2,740.81	1.38	-0.33	0.106
40.24	-60.98	-6.02	0.00	-398.97	0.00	398.97	3,738.74	1,869.37	5,533.72	2,732.90	1.40	-0.33	0.106
45.00	-57.66	-5.92	0.00	-370.35	0.00	370.35	3,633.72	1,816.86	5,225.39	2,580.62	1.75	-0.37	0.102
45.40	-57.38	-5.93	0.00	-367.99	0.00	367.99	3,063.79	1,531.89	4,506.32	2,225.50	1.78	-0.38	0.113
50.00	-55.14	-5.85	0.00	-340.72	0.00	340.72	3,008.67	1,504.34	4,302.82	2,125.00	2.16	-0.41	0.108
55.00	-52.73	-5.75	0.00	-311.47	0.00	311.47	2,946.93	1,473.46	4,084.17	2,017.02	2.62	-0.46	0.103
55.68	-52.40	-5.75	0.00	-307.58	0.00	307.58	2,938.42	1,469.21	4,054.78	2,002.51	2.69	-0.46	0.102
55.68	-52.40	-5.75	0.00	-307.58	0.00	307.58	2,938.42	1,469.21	4,054.78	2,002.51	2.69	-0.46	0.171
60.00	-50.63	-5.69	0.00	-282.73	0.00	282.73	2,883.27	1,441.64	3,868.42	1,910.47	3.12	-0.50	0.166
65.00	-48.64	-5.62	0.00	-254.29	0.00	254.29	2,808.41	1,404.21	3,643.77	1,799.52	3.69	-0.57	0.159
70.00	-46.70	-5.54	0.00	-226.18	0.00	226.18	2,713.79	1,356.89	3,400.96	1,679.60	4.32	-0.64	0.152
75.00	-44.82	-5.47	0.00	-198.47	0.00	198.47	2,619.16	1,309.58	3,166.52	1,563.83	5.03	-0.71	0.144
80.00	-42.61	-5.28	0.00	-171.05	0.00	171.05	2,524.53	1,262.26	2,940.46	1,452.18	5.81	-0.78	0.135
80.75	-42.34	-5.28	0.00	-167.10	0.00	167.10	2,510.36	1,255.18	2,907.34	1,435.82	5.94	-0.79	0.133
84.90	-40.48	-5.19	0.00	-145.18	0.00	145.18	1,500.18	750.09	1,728.96	853.87	6.65	-0.84	0.197
85.00	-40.44	-5.22	0.00	-144.66	0.00	144.66	1,499.54	749.77	1,726.89	852.85	6.66	-0.84	0.197
90.00	-33.61	-4.48	0.00	-118.57	0.00	118.57	1,466.64	733.32	1,624.12	802.09	7.59	-0.93	0.171
95.00	-32.35	-4.40	0.00	-96.19	0.00	96.19	1,431.82	715.91	1,522.23	751.77	8.61	-1.00	0.151
100.00	-25.34	-3.47	0.00	-74.21	0.00	74.21	1,395.09	697.54	1,421.47	702.01	9.70	-1.07	0.124
105.00	-24.21	-3.37	0.00	-56.88	0.00	56.88	1,356.44	678.22	1,322.10	652.93	10.85	-1.13	0.105
110.00	-17.60	-2.49	0.00	-40.03	0.00	40.03	1,315.88	657.94	1,224.36	604.67	12.07	-1.18	0.080
115.00	-16.58	-2.39	0.00	-27.57	0.00	27.57	1,273.40	636.70	1,128.51	557.33	13.33	-1.22	0.063
120.00	-8.91	-1.34	0.00	-15.62	0.00	15.62	1,215.41	607.71	1,023.36	505.40	14.63	-1.25	0.038
125.00	-8.11	-1.24	0.00	-8.91	0.00	8.91	1,152.33	576.16	919.28	454.00	15.95	-1.27	0.027
125.80	-7.99	-1.23	0.00	-7.92	0.00	7.92	1,142.23	571.11	903.13	446.02	16.16	-1.28	0.025
125.80	-7.99	-1.23	0.00	-7.92	0.00	7.92	385.02	192.51	160.54	106.00	16.16	-1.28	0.095
130.00	-7.47	-1.17	0.00	-2.77	0.00	2.77	385.02	192.51	160.54	106.00	17.29	-1.28	0.046
131.00	-0.87	-0.26	0.00	-1.60	0.00	1.60	385.02	192.51	160.54	106.00	17.56	-1.29	0.017
135.00	-0.45	-0.21	0.00	-0.55	0.00	0.55	385.02	192.51	160.54	106.00	18.64	-1.30	0.006
136.00	-0.46	-0.07	0.00	-0.34	0.00	0.34	385.02	192.51	160.54	106.00	18.91	-1.30	0.004
140.00	-0.15	-0.02	0.00	-0.05	0.00	0.05	385.02	192.51	160.54	106.00	20.00	-1.30	0.001
142.00	0.00	-0.02	0.00	0.00	0.00	0.00	385.02	192.51	160.54	106.00	20.54	-1.30	0.000

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 23 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.00
Wind Load Factor: 1.00

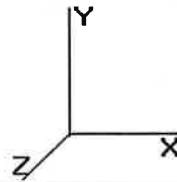
Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.742	194.88	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.742	190.28	1.000	* 0.000	5.00	19.182	19.18	129.3	0.0	1,389.3
10.00		1.00	0.70	6.129	6.742	185.68	1.000	* 0.000	5.00	18.723	18.72	126.2	0.0	1,363.9
15.00		1.00	0.70	6.129	6.742	181.07	1.000	* 0.000	5.00	18.265	18.26	123.1	0.0	1,338.4
20.00		1.00	0.70	6.129	6.742	176.47	1.000	* 0.000	5.00	17.806	17.81	120.0	0.0	1,312.9
25.00		1.00	0.70	6.129	6.742	171.86	1.000	* 0.000	5.00	17.348	17.35	116.9	0.0	1,287.4
30.00		1.00	0.70	6.134	6.747	167.33	1.000	* 0.000	5.00	16.889	16.89	114.0	0.0	1,261.9
35.00		1.00	0.73	6.410	7.051	166.34	1.000	* 0.000	5.00	16.430	16.43	115.9	0.0	1,236.4
40.00		1.00	0.76	6.659	7.325	164.75	1.000	* 0.000	5.00	15.972	15.97	117.0	0.0	1,211.0
40.24	Bot - Section 2	1.00	0.76	6.671	7.338	164.66	1.000	* 0.000	0.24	0.767	0.77	5.6	0.0	58.4
45.00		1.00	0.78	6.887	7.576	162.66	1.000	* 0.000	4.76	15.054	15.05	114.1	0.0	1,836.8
45.40	Top - Section 1	1.00	0.78	6.905	7.595	162.48	1.000	* 0.000	0.40	1.247	1.25	9.5	0.0	152.5
50.00		1.00	0.81	7.098	7.807	163.67	1.000	* 0.000	4.60	14.131	14.13	110.3	0.0	973.2
55.00		1.00	0.83	7.294	8.023	160.89	1.000	* 0.000	5.00	14.919	14.92	119.7	0.0	1,036.8
55.68	Reinf. Top	1.00	0.83	7.319	8.051	160.49	1.000	* 0.000	0.68	1.985	1.98	16.0	0.0	138.7
60.00		1.00	0.85	7.477	8.225	157.82	1.000	* 0.000	4.32	12.476	12.48	102.6	0.0	587.5
65.00		1.00	0.87	7.650	8.415	154.49	1.000	* 0.000	5.00	14.002	14.00	117.8	0.0	659.2
70.00	Appertunance(s)	1.00	0.89	7.814	8.595	150.93	1.000	* 0.000	5.00	13.544	13.54	116.4	0.0	637.3
75.00		1.00	0.91	7.969	8.766	147.18	1.000	* 0.000	5.00	13.085	13.08	114.7	0.0	615.5
80.00	Appertunance(s)	1.00	0.92	8.118	8.930	143.24	1.000	* 0.000	5.00	12.626	12.63	112.7	0.0	593.6
80.75	Bot - Section 3	1.00	0.93	8.139	8.953	142.64	1.000	* 0.000	0.75	1.851	1.85	16.6	0.0	87.0
84.90	Top - Section 2	1.00	0.94	8.257	9.082	139.23	1.000	* 0.000	4.15	10.256	10.26	93.2	0.0	796.3
85.00		1.00	0.94	8.260	9.086	141.66	1.000	* 0.000	0.10	0.244	0.24	2.2	0.0	7.7
90.00	Appertunance(s)	1.00	0.95	8.396	9.235	137.43	1.000	* 0.000	5.00	11.925	11.92	110.1	0.0	375.2
95.00		1.00	0.97	8.526	9.379	133.06	1.000	0.000	5.00	11.466	11.47	107.5	0.0	360.6
100.0	Appertunance(s)	1.00	0.98	8.652	9.517	128.57	1.000	0.000	5.00	11.007	11.01	104.8	0.0	346.1
105.0		1.00	1.00	8.774	9.651	123.96	1.000	0.000	5.00	10.549	10.55	101.8	0.0	331.5
110.0	Appertunance(s)	1.00	1.01	8.891	9.780	119.24	1.000	0.000	5.00	10.090	10.09	98.7	0.0	316.9
115.0		1.00	1.02	9.005	9.905	114.42	1.000	0.000	5.00	9.632	9.63	95.4	0.0	302.4
120.0	Appertunance(s)	1.00	1.04	9.115	10.02	109.50	1.000	0.000	5.00	9.173	9.17	92.0	0.0	287.8
125.0		1.00	1.05	9.222	10.14	104.49	1.000	0.000	5.00	8.714	8.71	88.4	0.0	273.3
125.8	Top - Section 3	1.00	1.05	9.239	10.16	103.68	1.000	0.000	0.80	1.353	1.35	13.7	0.0	42.4
130.0		1.00	1.06	9.326	10.25	55.473	0.692	* 0.000	4.20	3.762	2.60	26.7	0.0	174.7
131.0	Appertunance(s)	1.00	1.06	9.346	10.28	55.534	0.691	* 0.000	1.00	0.896	0.62	6.4	0.0	41.6
135.0		1.00	1.07	9.427	10.36	55.773	0.689	* 0.000	4.00	3.583	2.47	25.6	0.0	166.4
136.0	Appertunance(s)	1.00	1.07	9.447	10.39	55.832	0.688	* 0.000	1.00	0.896	0.62	6.4	0.0	41.6
140.0		1.00	1.08	9.525	10.47	56.064	0.685	0.000	4.00	3.583	2.45	25.7	0.0	166.4
142.0		1.00	1.09	9.564	10.52	56.178	0.684	0.000	2.00	1.792	1.22	12.9	0.0	83.2
* = Cf Adjusted By Linear Load Ra Effect								Totals:	142.00			2,930.0	0.0	21,891.7

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides, Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 23 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.00
Wind Load Factor: 1.00

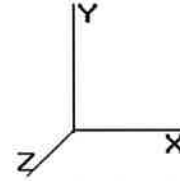
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
70.00	PCTEL GPS-TMG-HR-	1	7.814	8.595	1.00	1.00	0.09	0.000	0.000	0.77	0.00	0.00	0.60
70.00	Stand-Off	1	7.814	8.595	1.00	1.00	1.00	0.000	0.000	8.60	0.00	0.00	30.00
80.00	Diamond X50A	2	8.198	9.018	1.00	1.00	2.24	0.000	2.800	20.20	0.00	56.56	4.60
80.00	Stand-Offs	2	8.118	8.930	1.00	1.00	6.00	0.000	0.000	53.58	0.00	0.00	100.00
90.00	Flat Platform w/ Han	1	8.396	9.235	0.90	1.00	38.16	0.000	0.000	352.41	0.00	0.00	2,000.00
90.00	RFS ATMAA1412D-	4	8.396	9.235	0.50	0.75	1.50	0.000	0.000	13.85	0.00	0.00	52.00
90.00	Ericsson AIR 21, 1.3	4	8.396	9.235	0.86	0.75	15.61	0.000	0.000	144.15	0.00	0.00	332.00
90.00	Ericsson AIR 21, 1.3	3	8.396	9.235	0.85	0.75	11.65	0.000	0.000	107.56	0.00	0.00	244.50
100.0	Flat Platform w/ Han	1	8.652	9.517	0.90	1.00	38.16	0.000	0.000	363.18	0.00	0.00	2,000.00
100.0	Rymasa MGD3-800TX	3	8.652	9.517	0.82	0.75	6.16	0.000	0.000	58.65	0.00	0.00	46.20
100.0	Allgon P65-16-XL-2	3	8.652	9.517	0.75	0.75	13.72	0.000	0.000	130.57	0.00	0.00	99.00
100.0	RFS FD9R6004/1C-3L	6	8.652	9.517	0.50	0.75	0.83	0.000	0.000	7.92	0.00	0.00	18.60
100.0	Alcatel-Lucent RRH2x	3	8.652	9.517	0.67	0.75	3.26	0.000	0.000	30.99	0.00	0.00	132.00
100.0	RFS DB-T1-6Z-8AB-0Z	1	8.652	9.517	0.50	0.75	1.80	0.000	0.000	17.13	0.00	0.00	44.00
100.0	Antel BXA-70080/6CF	3	8.652	9.517	0.88	0.75	11.56	0.000	0.000	110.05	0.00	0.00	54.24
100.0	Antel BXA-171063/12C	3	8.652	9.517	0.72	0.75	7.76	0.000	0.000	73.85	0.00	0.00	45.00
110.0	Flat Platform w/ Han	1	8.891	9.780	0.90	1.00	38.16	0.000	0.000	373.21	0.00	0.00	2,000.00
110.0	72" x 12" Panel	3	8.891	9.780	0.67	0.75	12.26	0.000	0.000	119.86	0.00	0.00	135.00
110.0	48" x 12" Panel	9	8.891	9.780	0.67	0.75	22.93	0.000	0.000	224.25	0.00	0.00	270.00
120.0	Flat Platform w/ Han	1	9.115	10.026	0.90	1.00	38.16	0.000	0.000	382.60	0.00	0.00	2,000.00
120.0	Decibel DB980H80E-M	6	9.115	10.026	0.79	0.75	13.51	0.000	0.000	135.45	0.00	0.00	51.00
120.0	NextNet BTS-2500	3	9.115	10.026	0.50	0.75	2.05	0.000	0.000	20.53	0.00	0.00	105.00
120.0	DragonWave A-ANT-	2	9.115	10.026	0.67	0.75	4.71	0.000	0.000	47.26	0.00	0.00	54.20
120.0	DragonWave Horizon	2	9.115	10.026	0.50	0.75	0.32	0.000	0.000	3.23	0.00	0.00	21.20
120.0	Argus LLPX310R	3	9.115	10.026	0.73	0.75	7.05	0.000	0.000	70.65	0.00	0.00	85.80
120.0	RFS APXVSPP18-C-	3	9.115	10.026	0.69	0.75	12.45	0.000	0.000	124.84	0.00	0.00	171.00
120.0	Alcatel-Lucent 1900	3	9.115	10.026	0.67	0.75	3.50	0.000	0.000	35.07	0.00	0.00	180.00
120.0	Alcatel-Lucent 800 M	3	9.115	10.026	0.67	0.75	3.11	0.000	0.000	31.14	0.00	0.00	192.00
131.0	Flat Platform w/ Han	1	9.346	10.281	0.90	1.00	38.16	0.000	0.000	392.31	0.00	0.00	2,000.00
131.0	Powerwave 7770	6	9.346	10.281	0.65	0.75	16.12	0.000	0.000	165.69	0.00	0.00	210.00
131.0	Powerwave LGP21401	6	9.346	10.281	0.50	0.75	2.48	0.000	0.000	25.44	0.00	0.00	84.60
131.0	Powerwave LGP219nn	6	9.346	10.281	0.50	0.75	0.52	0.000	0.000	5.32	0.00	0.00	33.00
131.0	Powerwave P65-16-	3	9.346	10.281	0.67	0.75	12.26	0.000	0.000	126.00	0.00	0.00	159.00
131.0	Ericsson RRUS 11	6	9.346	10.281	0.67	0.75	7.75	0.000	0.000	79.66	0.00	0.00	264.00
131.0	Raycap DC6-48-60-18-	1	9.346	10.281	0.50	0.75	0.48	0.000	0.000	4.93	0.00	0.00	31.80
136.0	Kathrein 742-218 / A	3	9.447	10.391	0.73	0.80	6.75	0.000	0.000	70.09	0.00	0.00	67.50
136.0	Stand-Offs	3	9.447	10.391	0.67	1.00	6.03	0.000	0.000	62.66	0.00	0.00	150.00
136.0	Generic RCU	3	9.447	10.391	0.50	0.80	0.19	0.000	0.000	2.00	0.00	0.00	3.00
										3,995.67			13,470.84

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides, Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

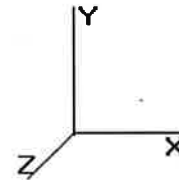
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.131	1.092	0.00	24.60
5.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.131	1.092	0.00	1.50
5.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.131	1.092	0.00	18.25
5.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.131	1.092	0.00	1.35
5.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.131	1.092	0.00	5.25
5.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.131	1.092	0.00	40.99
5.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.131	1.092	0.00	1.50
5.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	6.129	0.131	1.092	0.00	0.00
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.134	1.102	0.00	24.60
10.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.134	1.102	0.00	1.50
10.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.134	1.102	0.00	18.25
10.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.134	1.102	0.00	1.35
10.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.134	1.102	0.00	5.25
10.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.134	1.102	0.00	40.99
10.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.134	1.102	0.00	1.50
10.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	6.129	0.134	1.102	0.00	0.00
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.137	1.112	0.00	24.60
15.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.137	1.112	0.00	1.50
15.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.137	1.112	0.00	18.25
15.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.137	1.112	0.00	1.35
15.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.137	1.112	0.00	5.25
15.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.137	1.112	0.00	40.99
15.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.137	1.112	0.00	1.50
15.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	6.129	0.137	1.112	0.00	0.00
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.141	1.123	0.00	24.60
20.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.141	1.123	0.00	1.50
20.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.141	1.123	0.00	18.25
20.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.141	1.123	0.00	1.35
20.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.141	1.123	0.00	5.25
20.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.141	1.123	0.00	40.99
20.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.141	1.123	0.00	1.50
20.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	6.129	0.141	1.123	0.00	0.00
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.145	1.134	0.00	24.60
25.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.145	1.134	0.00	1.50
25.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.145	1.134	0.00	18.25
25.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.145	1.134	0.00	1.35
25.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.145	1.134	0.00	5.25
25.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.129	0.145	1.134	0.00	40.99
25.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.145	1.134	0.00	1.50
25.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	6.129	0.145	1.134	0.00	0.00
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.134	0.149	1.146	0.00	24.60
30.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.149	1.146	0.00	1.50
30.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.149	1.146	0.00	18.25
30.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.149	1.146	0.00	1.35
30.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.149	1.146	0.00	5.25
30.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.134	0.149	1.146	0.00	40.99
30.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.149	1.146	0.00	1.50
30.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	6.134	0.149	1.146	0.00	0.00
35.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.410	0.153	1.158	0.00	24.60
35.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.410	0.153	1.158	0.00	1.50
35.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.410	0.153	1.158	0.00	18.25

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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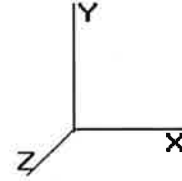
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

35.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.410	0.153	1.158	0.00	1.35
35.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	6.410	0.153	1.158	0.00	5.25
35.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.410	0.153	1.158	0.00	40.99
35.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.410	0.153	1.158	0.00	1.50
35.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	6.410	0.153	1.158	0.00	0.00
40.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.659	0.157	1.171	0.00	24.60
40.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.659	0.157	1.171	0.00	1.50
40.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	6.659	0.157	1.171	0.00	18.25
40.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.659	0.157	1.171	0.00	1.35
40.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	6.659	0.157	1.171	0.00	5.25
40.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	6.659	0.157	1.171	0.00	40.99
40.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.659	0.157	1.171	0.00	1.50
40.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	6.659	0.157	1.171	0.00	0.00
40.24	(6) 1 5/8" Coax	Yes	0.24	0.000	1.98	0.04	0.00	6.671	0.159	1.178	0.00	1.20
40.24	(2) 1/2" Coax	Yes	0.24	0.000	0.00	0.00	0.00	6.671	0.159	1.178	0.00	0.07
40.24	(1) 2" Conduit	Yes	0.24	0.000	0.00	0.00	0.00	6.671	0.159	1.178	0.00	0.89
40.24	(6) 5/16" Coax	Yes	0.24	0.000	0.00	0.00	0.00	6.671	0.159	1.178	0.00	0.07
40.24	(1) 1 1/4" Fiber	Yes	0.24	0.000	0.00	0.00	0.00	6.671	0.159	1.178	0.00	0.26
40.24	(10) 1 5/8" Coax	Yes	0.24	0.000	1.98	0.04	0.00	6.671	0.159	1.178	0.00	2.00
40.24	(2) 1/2" Coax	Yes	0.24	0.000	0.00	0.00	0.00	6.671	0.159	1.178	0.00	0.07
40.24	(4) DYWIDAG	Yes	0.24	0.000	2.06	0.04	0.00	6.671	0.159	1.178	0.00	0.00
45.00	(6) 1 5/8" Coax	Yes	4.76	0.000	1.98	0.78	0.00	6.887	0.162	1.185	0.00	23.40
45.00	(2) 1/2" Coax	Yes	4.76	0.000	0.00	0.00	0.00	6.887	0.162	1.185	0.00	1.43
45.00	(1) 2" Conduit	Yes	4.76	0.000	0.00	0.00	0.00	6.887	0.162	1.185	0.00	17.36
45.00	(6) 5/16" Coax	Yes	4.76	0.000	0.00	0.00	0.00	6.887	0.162	1.185	0.00	1.28
45.00	(1) 1 1/4" Fiber	Yes	4.76	0.000	0.00	0.00	0.00	6.887	0.162	1.185	0.00	4.99
45.00	(10) 1 5/8" Coax	Yes	4.76	0.000	1.98	0.78	0.00	6.887	0.162	1.185	0.00	39.00
45.00	(2) 1/2" Coax	Yes	4.76	0.000	0.00	0.00	0.00	6.887	0.162	1.185	0.00	1.43
45.00	(4) DYWIDAG	Yes	4.76	0.000	2.06	0.82	0.00	6.887	0.162	1.185	0.00	0.00
45.40	(6) 1 5/8" Coax	Yes	0.40	0.000	1.98	0.07	0.00	6.905	0.164	1.193	0.00	1.97
45.40	(2) 1/2" Coax	Yes	0.40	0.000	0.00	0.00	0.00	6.905	0.164	1.193	0.00	0.12
45.40	(1) 2" Conduit	Yes	0.40	0.000	0.00	0.00	0.00	6.905	0.164	1.193	0.00	1.46
45.40	(6) 5/16" Coax	Yes	0.40	0.000	0.00	0.00	0.00	6.905	0.164	1.193	0.00	0.11
45.40	(1) 1 1/4" Fiber	Yes	0.40	0.000	0.00	0.00	0.00	6.905	0.164	1.193	0.00	0.42
45.40	(10) 1 5/8" Coax	Yes	0.40	0.000	1.98	0.07	0.00	6.905	0.164	1.193	0.00	3.28
45.40	(2) 1/2" Coax	Yes	0.40	0.000	0.00	0.00	0.00	6.905	0.164	1.193	0.00	0.12
45.40	(4) DYWIDAG	Yes	0.40	0.000	2.06	0.07	0.00	6.905	0.164	1.193	0.00	0.00
50.00	(6) 1 5/8" Coax	Yes	4.60	0.000	1.98	0.76	0.00	7.098	0.163	1.190	0.00	22.63
50.00	(2) 1/2" Coax	Yes	4.60	0.000	0.00	0.00	0.00	7.098	0.163	1.190	0.00	1.38
50.00	(1) 2" Conduit	Yes	4.60	0.000	0.00	0.00	0.00	7.098	0.163	1.190	0.00	16.79
50.00	(6) 5/16" Coax	Yes	4.60	0.000	0.00	0.00	0.00	7.098	0.163	1.190	0.00	1.24
50.00	(1) 1 1/4" Fiber	Yes	4.60	0.000	0.00	0.00	0.00	7.098	0.163	1.190	0.00	4.83
50.00	(10) 1 5/8" Coax	Yes	4.60	0.000	1.98	0.76	0.00	7.098	0.163	1.190	0.00	37.72
50.00	(2) 1/2" Coax	Yes	4.60	0.000	0.00	0.00	0.00	7.098	0.163	1.190	0.00	1.38
50.00	(4) DYWIDAG	Yes	4.60	0.000	2.06	0.79	0.00	7.098	0.163	1.190	0.00	0.00
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	7.294	0.168	1.204	0.00	24.60
55.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.168	1.204	0.00	1.50
55.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.168	1.204	0.00	18.25
55.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.168	1.204	0.00	1.35
55.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.168	1.204	0.00	5.25
55.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	7.294	0.168	1.204	0.00	40.99
55.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.168	1.204	0.00	1.50
55.00	(4) DYWIDAG	Yes	5.00	0.000	2.06	0.86	0.00	7.294	0.168	1.204	0.00	0.00
55.68	(6) 1 5/8" Coax	Yes	0.68	0.000	1.98	0.11	0.00	7.319	0.171	1.213	0.00	3.33
55.68	(2) 1/2" Coax	Yes	0.68	0.000	0.00	0.00	0.00	7.319	0.171	1.213	0.00	0.20
55.68	(1) 2" Conduit	Yes	0.68	0.000	0.00	0.00	0.00	7.319	0.171	1.213	0.00	2.47
55.68	(6) 5/16" Coax	Yes	0.68	0.000	0.00	0.00	0.00	7.319	0.171	1.213	0.00	0.18

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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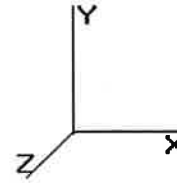
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

55.68	(1) 1 1/4" Fiber	Yes	0.68	0.000	0.00	0.00	0.00	7.319	0.171	1.213	0.00	0.71
55.68	(10) 1 5/8" Coax	Yes	0.68	0.000	1.98	0.11	0.00	7.319	0.171	1.213	0.00	5.55
55.68	(2) 1/2" Coax	Yes	0.68	0.000	0.00	0.00	0.00	7.319	0.171	1.213	0.00	0.20
55.68	(4) DYWIDAG	Yes	0.68	0.000	2.06	0.12	0.00	7.319	0.171	1.213	0.00	0.00
60.00	(6) 1 5/8" Coax	Yes	4.32	0.000	1.98	0.71	0.00	7.477	0.174	1.221	0.00	21.27
60.00	(2) 1/2" Coax	Yes	4.32	0.000	0.00	0.00	0.00	7.477	0.174	1.221	0.00	1.30
60.00	(1) 2" Conduit	Yes	4.32	0.000	0.00	0.00	0.00	7.477	0.174	1.221	0.00	15.78
60.00	(6) 5/16" Coax	Yes	4.32	0.000	0.00	0.00	0.00	7.477	0.174	1.221	0.00	1.17
60.00	(1) 1 1/4" Fiber	Yes	4.32	0.000	0.00	0.00	0.00	7.477	0.174	1.221	0.00	4.54
60.00	(10) 1 5/8" Coax	Yes	4.32	0.000	1.98	0.71	0.00	7.477	0.174	1.221	0.00	35.44
60.00	(2) 1/2" Coax	Yes	4.32	0.000	0.00	0.00	0.00	7.477	0.174	1.221	0.00	1.30
60.00	(4) DYWIDAG	Yes	4.32	0.000	2.06	0.74	0.00	7.477	0.174	1.221	0.00	0.00
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	7.650	0.155	1.164	0.00	24.60
65.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.155	1.164	0.00	1.50
65.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.155	1.164	0.00	18.25
65.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.155	1.164	0.00	1.35
65.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.155	1.164	0.00	5.25
65.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	7.650	0.155	1.164	0.00	40.99
65.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.155	1.164	0.00	1.50
65.00	(4) DYWIDAG	Yes	3.00	0.000	2.06	0.51	0.00	7.650	0.155	1.164	0.00	0.00
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	7.814	0.122	1.065	0.00	24.60
70.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.122	1.065	0.00	1.50
70.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.122	1.065	0.00	18.25
70.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.122	1.065	0.00	1.35
70.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.122	1.065	0.00	5.25
70.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	7.814	0.122	1.065	0.00	40.99
70.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.122	1.065	0.00	1.50
75.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	7.969	0.126	1.078	0.00	24.60
75.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.969	0.126	1.078	0.00	1.50
75.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	7.969	0.126	1.078	0.00	18.25
75.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.969	0.126	1.078	0.00	1.35
75.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	7.969	0.126	1.078	0.00	5.25
75.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	7.969	0.126	1.078	0.00	40.99
75.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.969	0.126	1.078	0.00	1.50
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	8.118	0.131	1.092	0.00	24.60
80.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.131	1.092	0.00	1.50
80.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.131	1.092	0.00	18.25
80.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.131	1.092	0.00	1.35
80.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.131	1.092	0.00	5.25
80.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	8.118	0.131	1.092	0.00	40.99
80.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.131	1.092	0.00	1.50
80.75	(6) 1 5/8" Coax	Yes	0.75	0.000	1.98	0.12	0.00	8.139	0.133	1.100	0.00	3.68
80.75	(2) 1/2" Coax	Yes	0.75	0.000	0.00	0.00	0.00	8.139	0.133	1.100	0.00	0.22
80.75	(1) 2" Conduit	Yes	0.75	0.000	0.00	0.00	0.00	8.139	0.133	1.100	0.00	2.73
80.75	(6) 5/16" Coax	Yes	0.75	0.000	0.00	0.00	0.00	8.139	0.133	1.100	0.00	0.20
80.75	(1) 1 1/4" Fiber	Yes	0.75	0.000	0.00	0.00	0.00	8.139	0.133	1.100	0.00	0.79
80.75	(10) 1 5/8" Coax	Yes	0.75	0.000	1.98	0.12	0.00	8.139	0.133	1.100	0.00	6.14
84.90	(6) 1 5/8" Coax	Yes	4.15	0.000	1.98	0.68	0.00	8.257	0.136	1.108	0.00	20.42
84.90	(2) 1/2" Coax	Yes	4.15	0.000	0.00	0.00	0.00	8.257	0.136	1.108	0.00	1.25
84.90	(1) 2" Conduit	Yes	4.15	0.000	0.00	0.00	0.00	8.257	0.136	1.108	0.00	15.15
84.90	(6) 5/16" Coax	Yes	4.15	0.000	0.00	0.00	0.00	8.257	0.136	1.108	0.00	1.12
84.90	(1) 1 1/4" Fiber	Yes	4.15	0.000	0.00	0.00	0.00	8.257	0.136	1.108	0.00	4.36
84.90	(10) 1 5/8" Coax	Yes	4.15	0.000	1.98	0.68	0.00	8.257	0.136	1.108	0.00	34.03
85.00	(6) 1 5/8" Coax	Yes	0.10	0.000	1.98	0.02	0.00	8.260	0.136	1.107	0.00	0.49
85.00	(2) 1/2" Coax	Yes	0.10	0.000	0.00	0.00	0.00	8.260	0.136	1.107	0.00	0.03
85.00	(1) 2" Conduit	Yes	0.10	0.000	0.00	0.00	0.00	8.260	0.136	1.107	0.00	0.37
85.00	(6) 5/16" Coax	Yes	0.10	0.000	0.00	0.00	0.00	8.260	0.136	1.107	0.00	0.03

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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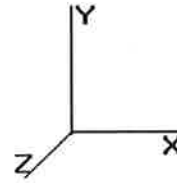
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

85.00	(1) 1 1/4" Fiber	Yes	0.10	0.000	0.00	0.00	0.00	8.260	0.136	1.107	0.00	0.11
85.00	(10) 1 5/8" Coax	Yes	0.10	0.000	1.98	0.02	0.00	8.260	0.136	1.107	0.00	0.82
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	8.396	0.138	1.115	0.00	24.60
90.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.396	0.138	1.115	0.00	1.50
90.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	8.396	0.138	1.115	0.00	18.25
90.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.396	0.138	1.115	0.00	1.35
90.00	(1) 1 1/4" Fiber	Yes	5.00	0.000	0.00	0.00	0.00	8.396	0.138	1.115	0.00	5.25
90.00	(10) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	8.396	0.138	1.115	0.00	40.99
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	8.526	0.072	0.000	0.00	24.60
95.00	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.526	0.072	0.000	0.00	1.50
95.00	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	8.526	0.072	0.000	0.00	18.25
95.00	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.526	0.072	0.000	0.00	1.35
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	8.652	0.075	0.000	0.00	24.60
100.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.652	0.075	0.000	0.00	1.50
100.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	8.652	0.075	0.000	0.00	18.25
100.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.652	0.075	0.000	0.00	1.35
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	8.774	0.078	0.000	0.00	24.60
105.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.774	0.078	0.000	0.00	1.50
105.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	8.774	0.078	0.000	0.00	18.25
105.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.774	0.078	0.000	0.00	1.35
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	8.891	0.082	0.000	0.00	24.60
110.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.891	0.082	0.000	0.00	1.50
110.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	8.891	0.082	0.000	0.00	18.25
110.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.891	0.082	0.000	0.00	1.35
115.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	9.005	0.086	0.000	0.00	24.60
115.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.005	0.086	0.000	0.00	1.50
115.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	9.005	0.086	0.000	0.00	18.25
115.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.005	0.086	0.000	0.00	1.35
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	9.115	0.090	0.000	0.00	24.60
120.0	(2) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.115	0.090	0.000	0.00	1.50
120.0	(1) 2" Conduit	Yes	5.00	0.000	0.00	0.00	0.00	9.115	0.090	0.000	0.00	18.25
120.0	(6) 5/16" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.115	0.090	0.000	0.00	1.35
125.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.98	0.82	0.00	9.222	0.095	0.000	0.00	24.60
125.8	(6) 1 5/8" Coax	Yes	0.80	0.000	1.98	0.13	0.00	9.239	0.098	0.000	0.00	3.94
130.0	(6) 1 5/8" Coax	Yes	4.20	0.000	1.98	0.69	0.00	9.326	0.184	1.253	0.00	20.66
131.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.346	0.184	1.253	0.00	4.92
135.0	(6) 1 5/8" Coax	Yes	4.00	0.000	1.98	0.66	0.00	9.427	0.184	1.253	0.00	19.68
136.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.447	0.184	1.253	0.00	4.92
Totals:											0.00	2,031.85

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 23 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

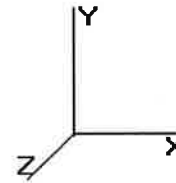
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	129.32	1,723.76	0.00	0.00
10.00	126.22	1,698.28	0.00	0.00
15.00	123.13	1,672.79	0.00	0.00
20.00	120.04	1,647.31	0.00	0.00
25.00	116.95	1,621.83	0.00	0.00
30.00	113.95	1,596.34	0.00	0.00
35.00	115.85	1,570.86	0.00	0.00
40.00	117.00	1,545.38	0.00	0.00
40.24	5.63	74.66	0.00	0.00
45.00	114.05	2,154.89	0.00	0.00
45.40	9.47	179.22	0.00	0.00
50.00	110.33	1,280.88	0.00	0.00
55.00	119.70	1,371.26	0.00	0.00
55.68	15.98	183.99	0.00	0.00
60.00	102.61	876.65	0.00	0.00
65.00	117.83	993.58	0.00	0.00
70.00	125.78	1,002.34	0.00	0.00
75.00	114.71	949.14	0.00	0.00
80.00	186.52	1,031.90	0.00	56.56
80.75	16.57	136.71	0.00	0.00
84.90	93.15	1,072.10	0.00	0.00
85.00	2.22	14.36	0.00	0.00
90.00	728.11	3,335.86	0.00	0.00
95.00	107.54	630.15	0.00	0.00
100.0	897.12	3,054.63	0.00	0.00
105.0	101.81	545.34	0.00	0.00
110.0	816.01	2,935.77	0.00	0.00
115.0	95.40	467.02	0.00	0.00
120.0	942.73	3,312.66	0.00	0.00
125.0	88.40	377.20	0.00	0.00
125.8	13.75	59.04	0.00	0.00
130.0	26.71	261.96	0.00	0.00
131.0	805.73	2,844.78	0.00	0.00
135.0	25.58	186.36	0.00	0.00
136.0	141.15	267.09	0.00	0.00
140.0	25.72	166.37	0.00	0.00
142.0	12.88	83.18	0.00	0.00
Totals:	6,925.63	42,925.64	0.00	56.56

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

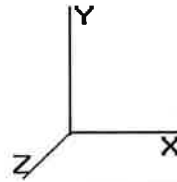
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-42.92	-6.94	0.00	-658.28	0.00	658.28	4,350.13	2,175.06	7,987.32	3,944.64	0.00	0.00	0.125
5.00	-41.19	-6.84	0.00	-623.58	0.00	623.58	4,285.51	2,142.75	7,679.11	3,792.42	0.02	-0.04	0.122
10.00	-39.49	-6.74	0.00	-589.38	0.00	589.38	4,218.97	2,109.49	7,373.27	3,641.38	0.09	-0.08	0.119
15.00	-37.81	-6.64	0.00	-555.68	0.00	555.68	4,150.52	2,075.26	7,070.06	3,491.64	0.19	-0.12	0.116
20.00	-36.16	-6.54	0.00	-522.48	0.00	522.48	4,080.16	2,040.08	6,769.73	3,343.32	0.34	-0.16	0.113
25.00	-34.54	-6.45	0.00	-489.76	0.00	489.76	4,007.88	2,003.94	6,472.54	3,196.54	0.54	-0.21	0.109
30.00	-32.94	-6.35	0.00	-457.53	0.00	457.53	3,933.69	1,966.85	6,178.73	3,051.44	0.78	-0.25	0.106
35.00	-31.36	-6.25	0.00	-425.79	0.00	425.79	3,854.52	1,927.26	5,883.88	2,905.83	1.06	-0.29	0.102
40.00	-29.81	-6.13	0.00	-394.54	0.00	394.54	3,744.12	1,872.06	5,549.75	2,740.81	1.38	-0.33	0.099
40.24	-29.74	-6.14	0.00	-393.05	0.00	393.05	3,738.74	1,869.37	5,533.72	2,732.90	1.40	-0.33	0.099
45.00	-27.58	-6.02	0.00	-363.84	0.00	363.84	3,633.72	1,816.86	5,225.39	2,580.62	1.75	-0.37	0.094
45.40	-27.40	-6.02	0.00	-361.44	0.00	361.44	3,063.79	1,531.89	4,506.32	2,225.50	1.78	-0.37	0.105
50.00	-26.12	-5.92	0.00	-333.73	0.00	333.73	3,008.67	1,504.34	4,302.82	2,125.00	2.16	-0.41	0.100
55.00	-24.74	-5.80	0.00	-304.13	0.00	304.13	2,946.93	1,473.46	4,084.17	2,017.02	2.61	-0.45	0.094
55.68	-24.56	-5.79	0.00	-300.20	0.00	300.20	2,938.42	1,469.21	4,054.78	2,002.51	2.68	-0.46	0.094
55.68	-24.56	-5.79	0.00	-300.20	0.00	300.20	2,938.42	1,469.21	4,054.78	2,002.51	2.68	-0.46	0.158
60.00	-23.68	-5.70	0.00	-275.16	0.00	275.16	2,883.27	1,441.64	3,868.42	1,910.47	3.11	-0.50	0.152
65.00	-22.68	-5.60	0.00	-246.64	0.00	246.64	2,808.41	1,404.21	3,643.77	1,799.52	3.67	-0.56	0.145
70.00	-21.67	-5.49	0.00	-218.62	0.00	218.62	2,713.79	1,356.89	3,400.96	1,679.60	4.30	-0.63	0.138
75.00	-20.72	-5.39	0.00	-191.15	0.00	191.15	2,619.16	1,309.58	3,166.52	1,563.83	5.00	-0.70	0.130
80.00	-19.68	-5.20	0.00	-164.13	0.00	164.13	2,524.53	1,262.26	2,940.46	1,452.18	5.76	-0.76	0.121
80.75	-19.54	-5.20	0.00	-160.24	0.00	160.24	2,510.36	1,255.18	2,907.34	1,435.82	5.89	-0.77	0.119
84.90	-18.47	-5.10	0.00	-138.66	0.00	138.66	1,500.18	750.09	1,728.96	853.87	6.58	-0.83	0.175
85.00	-18.45	-5.11	0.00	-138.15	0.00	138.15	1,499.54	749.77	1,726.89	852.85	6.60	-0.83	0.174
90.00	-15.12	-4.35	0.00	-112.61	0.00	112.61	1,466.64	733.32	1,624.12	802.09	7.51	-0.91	0.151
95.00	-14.49	-4.25	0.00	-90.86	0.00	90.86	1,431.82	715.91	1,522.23	751.77	8.50	-0.98	0.131
100.00	-11.45	-3.31	0.00	-69.62	0.00	69.62	1,395.09	697.54	1,421.47	702.01	9.56	-1.04	0.107
105.00	-10.90	-3.21	0.00	-53.06	0.00	53.06	1,356.44	678.22	1,322.10	652.93	10.68	-1.10	0.089
110.00	-7.98	-2.34	0.00	-37.02	0.00	37.02	1,315.88	657.94	1,224.36	604.67	11.86	-1.15	0.067
115.00	-7.51	-2.24	0.00	-25.32	0.00	25.32	1,273.40	636.70	1,128.51	557.33	13.08	-1.18	0.051
120.00	-4.22	-1.23	0.00	-14.12	0.00	14.12	1,215.41	607.71	1,023.36	505.40	14.34	-1.21	0.031
125.00	-3.85	-1.13	0.00	-7.97	0.00	7.97	1,152.33	576.16	919.28	454.00	15.62	-1.23	0.021
125.80	-3.79	-1.12	0.00	-7.07	0.00	7.07	1,142.23	571.11	903.13	446.02	15.82	-1.23	0.019
125.80	-3.79	-1.12	0.00	-7.07	0.00	7.07	385.02	192.51	160.54	106.00	15.82	-1.23	0.077
130.00	-3.53	-1.09	0.00	-2.36	0.00	2.36	385.02	192.51	160.54	106.00	16.91	-1.24	0.031
131.00	-0.70	-0.22	0.00	-1.28	0.00	1.28	385.02	192.51	160.54	106.00	17.17	-1.24	0.014
135.00	-0.51	-0.19	0.00	-0.40	0.00	0.40	385.02	192.51	160.54	106.00	18.21	-1.25	0.005
136.00	-0.25	-0.04	0.00	-0.20	0.00	0.20	385.02	192.51	160.54	106.00	18.48	-1.25	0.003
140.00	-0.08	-0.01	0.00	-0.03	0.00	0.03	385.02	192.51	160.54	106.00	19.52	-1.25	0.000
142.00	0.00	-0.01	0.00	0.00	0.00	0.00	385.02	192.51	160.54	106.00	20.05	-1.25	0.000

Pole : 302511
 Location : WSPT - South, CT
 Height : 142.0 (ft)
 Base Dia : 45.00 (in)
 Top Dia : 10.75 (in)
 Shape : 12 Sides. Sect 4: Round
 Taper : 0.212638 (in/ft)

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

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Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	38.91	0.00	50.69	0.00	0.00	3634.93	84.90	0.90
0.9D + 1.6W	37.25	0.00	38.93	0.00	0.00	3512.28	84.90	0.87
1.2D + 1.0Di + 1.0Wi	6.53	0.00	82.67	0.00	0.00	653.23	84.90	0.20
1.0D + 1.0W	6.94	0.00	42.92	0.00	0.00	658.28	84.90	0.17

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Upper Termination Connectors				Lower Termination Connectors				Max Member		
			VQ/l (lb/in)	Shear Applied (kips)	Shear phiVn (kips)	MQ/l (kips)	phiVn (kips)	Num Reqd	Num Actual	MQ/l (kips)	phiVn (kips)	Num Reqd	Num Actual	Pu (kip)	phiPn (kip)	Ratio
0.00	55.6	(4) SOL-#20 All Thre	322.3	9.7	16.8	198.6	12.0	17	22	0.0	12.0	0	0	249.6	330.5	0.755

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	45 in
	Pole Thickness	0.4375 in
	Plate Diameter	60 in
	Plate Thickness	2 in
	Plate Fy	60 ksi
	Weld Length	0.25 in
	ϕ_s Resistance	942.65 k-in
Applied	448.22 k-in	
Stiffeners	#	16 Show
	Thickness	0.5 in
	Length	4 in
	Height	10 in
	Chamfer	0 in
	Offset Angle	0°
	Fy	36 ksi

Bolts	#	16
	Bolt Circle	54 in
	(R)adial / (S)quare	R
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	18J
	Fy	75 ksi
	Fu	100 ksi
ϕ_s Resistance	259.82 k	
Applied	152.59 k	

Reinforcement	#	4
	DYW. Circle	52 in
	Offset Angle	11.25°
	Type	#20
	Diameter	2.5 in
Fu	100 ksi	

Extra Bolts	#	0
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Code Rev. **G** Date **2/20/2014**
 Engineer **William Maynard**
 Site # **302511**
 Carrier **Verizon**

Moment **3634.9 k-ft**
 Axial **50.7 k**

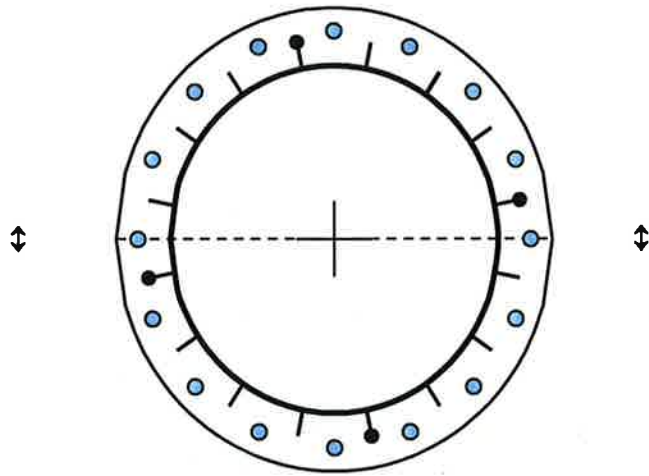
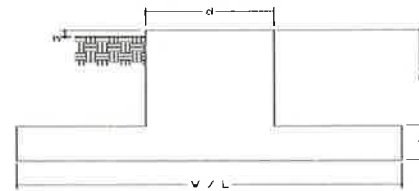


Plate Stress Ratio:
0.48 (Pass)

Bolt Stress Ratio:
0.59 (Pass)

Site Name: WSPT - South
 Site Number: 302511
 Engineering Number: 54965222
 Engineer: William Maynard
 Date: 02/20/14
 Tower Type: MP

Program Last Updated: 11/15/2012



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

Design / Analysis / Mapping:	Analysis
Compression/Leg:	0.0 k
Uplift/Leg:	0.0 k
Total Shear:	38.9 k
Moment:	3634.9 k-ft
Tower + Appurtenance Weight:	42.9 k
Depth to Base of Foundation (l + t - h):	7.70 ft
Diameter of Pier (d):	6.50 ft
Height of Pier above Ground (h):	0.50
Width of Pad (W):	18.00 ft
Length of Pad (L):	22.00 ft
Thickness of Pad (t):	3.00 ft
Tower Leg Center to Center:	0.00 ft
Number of Tower Legs:	1.0 (1 if MP or GT)
Tower Center from Mat Center:	2.00 ft
Depth Below Ground Surface to Water Table:	9.50 ft
Unit Weight of Concrete:	150.0 pcf
Unit Weight of Soil Above Water Table:	120.0 pcf
Unit Weight of Water:	62.4 pcf
Unit Weight of Soil Below Water Table:	60.0 pcf
Friction Angle of Uplift:	34.0 Degrees
Ultimate Coefficient of Shear Friction:	0.35
Ultimate Compressive Bearing Pressure:	20000.0 psf
Ultimate Passive Pressure on Pad Face:	500.0 psf
$\phi_{\text{Soil and Concrete Weight}}$:	0.9
ϕ_{Soil} :	0.75

Concrete Strength (f'_c):	4000 psi
Pad Tension Steel Depth:	32.00 in
ϕ_{Shear} :	0.75
$\phi_{\text{Flexure / Tension}}$:	0.90
$\phi_{\text{Compression}}$:	0.65
β :	0.85
Bottom Pad Rebar Size #:	9
# of Bottom Pad Rebar:	40
Pad Bottom Steel Area:	40.00 in ²
Pad Steel F_y :	60000 psi
Top Pad Rebar Size #:	9
# of Top Pad Rebar:	40
Pad Top Steel Area:	40.00 in ²
Pier Rebar Size #:	9
Pier Steel Area (Single Bar):	1.00 in ²
# of Pier Rebar:	32
Pier Steel F_y :	60000 psi
Pier Cage Diameter:	70.0 in
Rebar Strain Limit:	0.008
Steel Elastic Modulus:	29000 ksi
Tie Rebar Size #:	5
Tie Steel Area (Single Bar):	0.31 in ²
Tie Spacing:	12 in
Tie Steel F_y :	60000 psi

Overturning Moment Usage

Design OTM:	4039.8 k-ft
OTM Resistance:	3928.7 k-ft
Design OTM / OTM Resistance:	1.03 Result: Acceptable

Soil Bearing Pressure Usage

Net Bearing Pressure:	7088 psf
Factored Nominal Bearing Pressure:	15000 psf
Net Bearing Pressure/Factored Nominal Bearing Pressure:	0.47 Result: OK
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge

Sliding Factor of Safety

Total Factored Sliding Resistance:	139.0 k
Sliding Design / Sliding Resistance:	0.28 Result: OK

One Way Shear, Flexural Capacity, and Punching Shear

Factored One Way Shear (V_u):	202.5 k
One Way Shear Capacity (ϕV_c):	496.3 k - ACI11.3.1.1
$V_u / \phi V_c$:	0.41 Result: OK
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge
Lower Steel Pad Factored Moment (M_u):	1204.8 k-ft
Lower Steel Pad Moment Capacity (ϕM_n):	4686.4 k-ft - ACI10.3
$M_u / \phi M_n$:	0.26 Result: OK
Load Direction Controlling Flexural Capacity:	Diagonal to Pad Edge
Upper Steel Pad Factored Moment (M_u):	590.0 k-ft
Upper Steel Pad Moment Capacity (ϕM_n):	5555.5 k-ft
$M_u / \phi M_n$:	0.11 Result: OK
Lower Pad Flexural Reinforcement Ratio:	0.0047 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Upper Pad Flexural Reinforcement Ratio:	0.0047 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Lower Pad Reinforcement Spacing:	7 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Upper Pad Reinforcement Spacing:	7 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Factored Punching Shear (V_u):	0.0 k
Nominal Punching Shear Capacity ($\phi_c V_n$):	2098.2 k - ACI11.12.2.1
$V_u / \phi V_c$:	0.00 Result: OK
Factored Moment in Pier (M_u):	3837.3 k-ft
Pier Moment Capacity (ϕM_n):	4931.7 k-ft
$M_u / \phi M_n$:	0.78 Result: OK
Factored Shear in Pier (V_u):	38.9 k
Pier Shear Capacity (ϕV_n):	453.3 k
$V_u / \phi V_c$:	0.09 Result: OK
Pier Shear Reinforcement Ratio:	0.0008 No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0 k
Pier Tension Capacity (ϕT_n):	1728.0 k
$T_u / \phi T_n$:	0.00 Result: OK
Factored Compression in Pier (P_u):	0.0 k
Pier Compression Capacity (ϕP_n):	8391.6 k - ACI10.3.6.2
$P_u / \phi P_n$:	0.00 Result: OK
Pier Compression Reinforcement Ratio:	0.007 OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4
$M_u / \phi M_n + T_u / \phi T_n$:	0.78 Result: OK

Nominal and Design Moment Capacity and Factored Design Loads

