

280 Trumbull Street  
Hartford, CT 06103-3597  
Main (860) 275-8200  
Fax (860) 275-8299  
kbaldwin@rc.com  
Direct (860) 275-8345

Also admitted in Massachusetts

January 29, 2014

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

Re: **Notice of Exempt Modification – Antenna Swap  
180 Bayberry Lane, Westport, Connecticut**

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains twelve (12) wireless telecommunications antennas at the 110-foot level of the existing 140-foot tower at the 180 Bayberry Lane in Westport (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 replace 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 110-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. Included in Attachment 1 are specifications for Cellco’s replacement antennas, RRHs and HYBRIFLEX™ cable inside the monopole.



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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, Westport’s First Selectman. The Town of Westport is the owner of the Property.

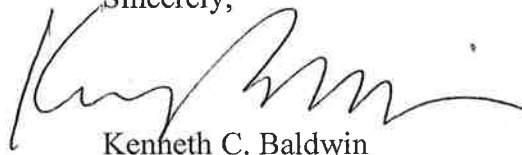
The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

Melanie A. Bachman  
January 29, 2014  
Page 2

1. The proposed modifications will not result in an increase in the height of the existing tower. The replaced antennas and RRHs will be located on Cellco's existing platform at the 110-foot level on the 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 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, First Selectman  
Sandy M. Carter



# ATTACHMENT 1

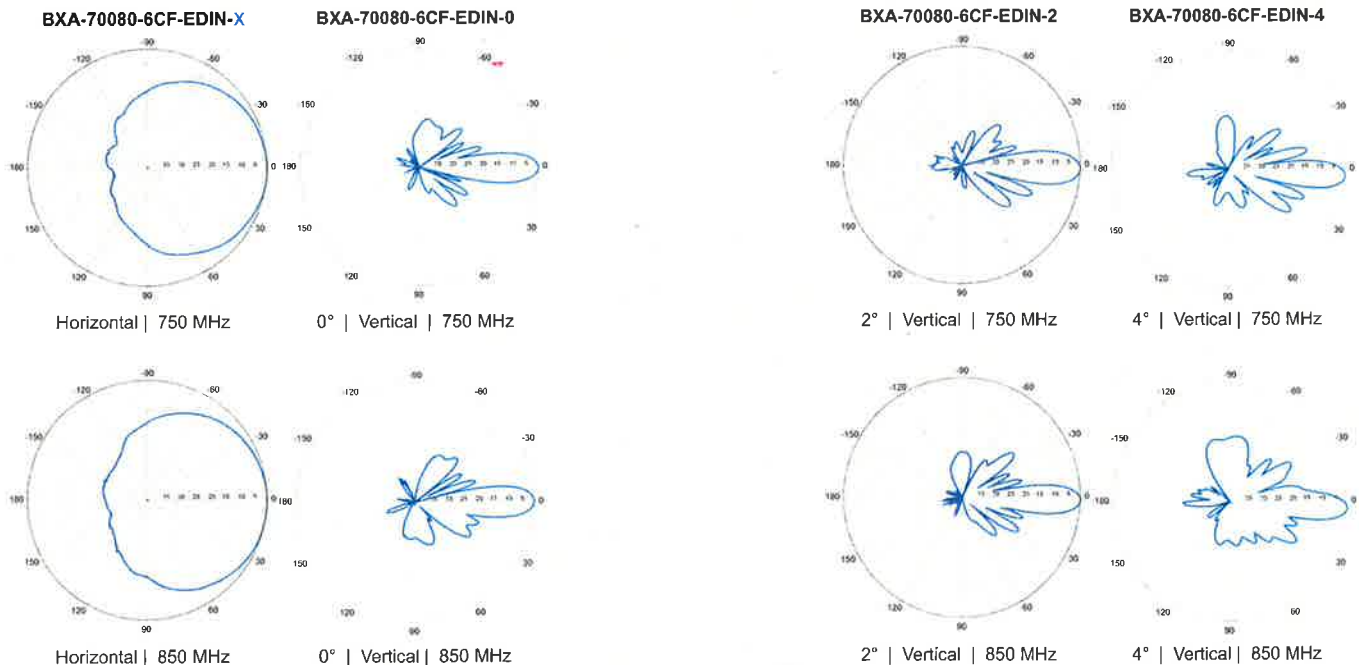
## BXA-70080-6CF-EDIN-X

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 <sup>2</sup> Side: 0.27 m <sup>2</sup>	Front: 3.9 ft <sup>2</sup> Side: 2.9 ft <sup>2</sup>	
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		

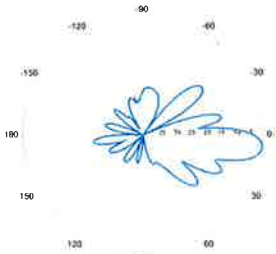


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product.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

**BXA-70080-6CF-EDIN-X**

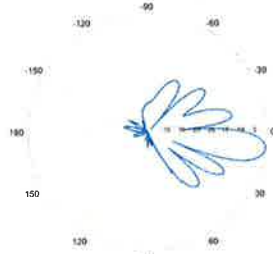
X-Pol | FET Panel | 80° | 13.5 dBd

**BXA-70080-6CF-EDIN-6**



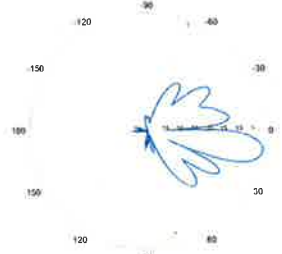
6° | Vertical | 750 MHz

**BXA-70080-6CF-EDIN-8**

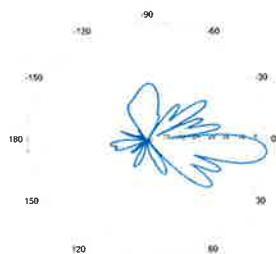


8° | Vertical | 750 MHz

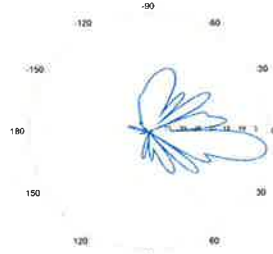
**BXA-70080-6CF-EDIN-10**



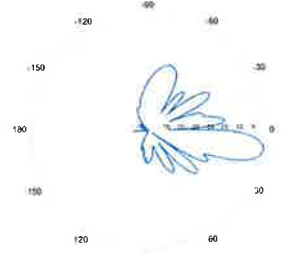
10° | Vertical | 750 MHz



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

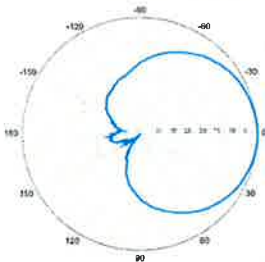
Replace 'X' with desired electrical downtilt

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

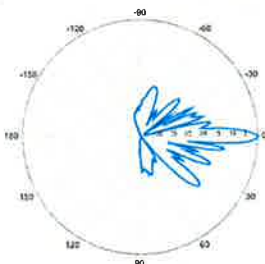
Electrical Characteristics	1710-2170 MHz				
Frequency bands	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz		
Polarization	±45°	±45°	±45°		
Horizontal beamwidth	68°	65°	60°		
Vertical beamwidth	4.5°	4.5°	4.5°		
Gain	16.1 dBd / 18.2 dBi	16.5 dBd / 18.6 dBi	16.9 dBd / 19.0 dBi		
Electrical downtilt (X)	0, 2, 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 <sup>2</sup> Side: 0.19 m <sup>2</sup>	Front: 3.1 ft <sup>2</sup> Side: 2.1 ft <sup>2</sup>			
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**

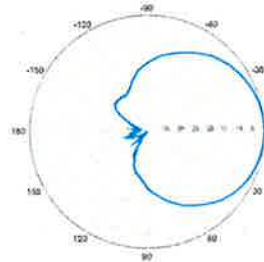


Horizontal | 1710-1880 MHz  
**BXA-171063-12CF-EDIN-0**

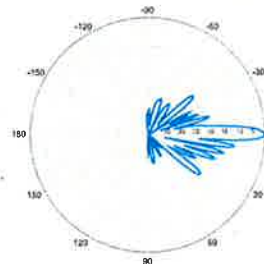


0° | Vertical | 1710-1880 MHz

**BXA-171063-12CF-EDIN-X**

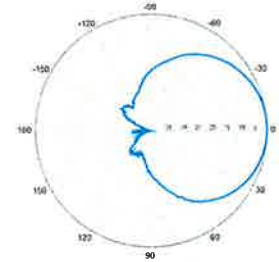


Horizontal | 1850-1990 MHz  
**BXA-171063-12CF-EDIN-0**

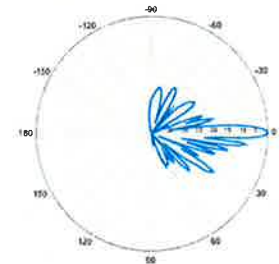


0° | Vertical | 1850-1990 MHz

**BXA-171063-12CF-EDIN-X**



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



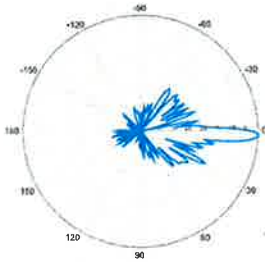
0° | Vertical | 1920-2170 MHz

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-171063-12CF-EDIN-X**

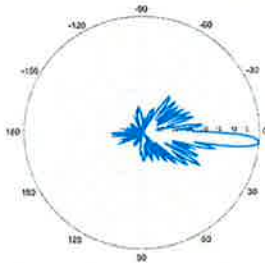
X-Pol | FET Panel | 63° | 19.0 dBi

**BXA-171063-12CF-EDIN-2**



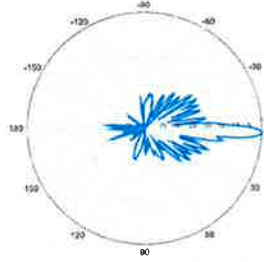
2° | Vertical | 1710-1880 MHz

**BXA-171063-12CF-EDIN-5**



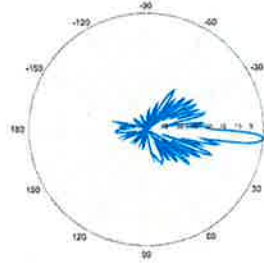
5° | Vertical | 1710-1880 MHz

**BXA-171063-12CF-EDIN-2**



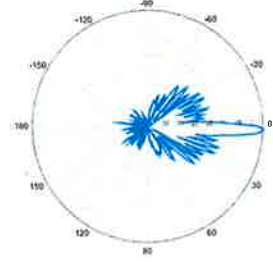
2° | Vertical | 1850-1990 MHz

**BXA-171063-12CF-EDIN-5**



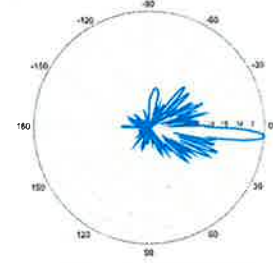
5° | Vertical | 1850-1990 MHz

**BXA-171063-12CF-EDIN-2**



2° | Vertical | 1920-2170 MHz

**BXA-171063-12CF-EDIN-5**



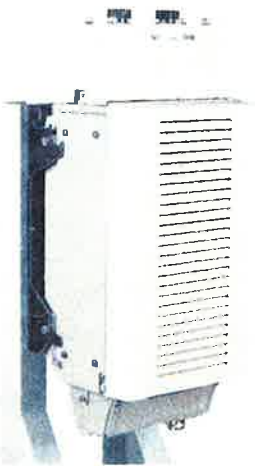
5° | Vertical | 1920-2170 MHz

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.

## 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.

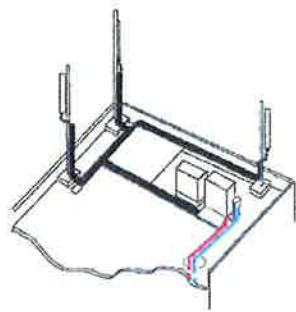
#### Fast, low-cost installation and deployment

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

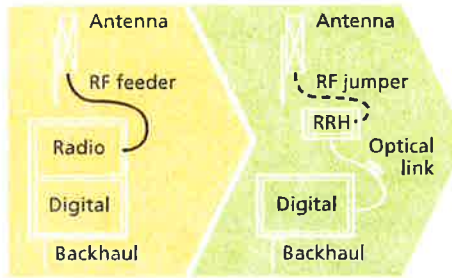
Because of its small size and weight, the Alcatel-Lucent RRH2x40-AWS can be installed close to the antenna. Operators can therefore locate the Alcatel-Lucent RRH2x40-AWS where RF engineering is deemed ideal, minimizing trade-offs between available sites and RF optimum sites. The RF feeder cost and installation 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.



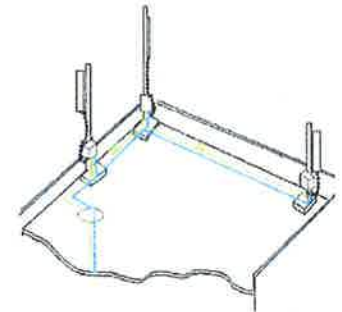
Macro

## 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: 170 mm (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 (0.205)
DC-Resistance Power Cable 3.4mm <sup>2</sup> (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 Ro-S Compliant

Size (Power)	(mm (AWG))	3.4 (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-L5 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

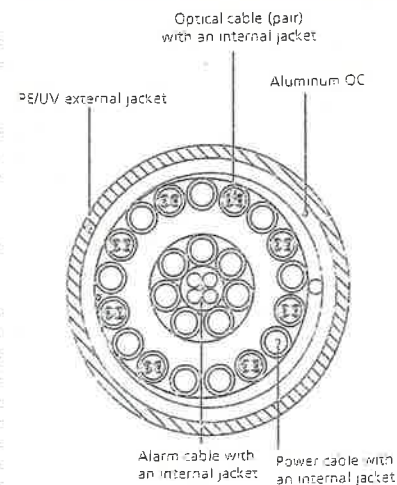


Figure 3: Construction Detail

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

# ATTACHMENT 2

		General		Power		Density								
Site Name: Westport 2														
Tower Height: Verizon @ 110ft														
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total						
*T-Mobile LTE	2	24	87	0.0023	2100	1.0000	0.23%							
*T-Mobile GSM/UMTS	2	12	87	0.0011	1950	1.0000	0.11%							
*T-Mobile UMTS	2	12	87	0.0011	2100	1.0000	0.11%							
*Enertrac			110	Receive only - no RF emissions										
*Westport Fire Dept			140	0.0011	10.5 GHz	1.0000	0.11%							
*AT&T UMTS	1	500	100	0.0180	880	0.5867	3.06%							
*AT&T UMTS	1	500	100	0.0180	1900	1.0000	1.80%							
*AT&T GSM	7	296	100	0.0745	880	0.5867	12.70%							
*AT&T LTE	1	500	100	0.0180	740	0.4933	3.64%							
*Sprint CDMA/LTE	2	778	130.4	0.0329	1900	1.0000	3.29%							
*Sprint CDMA/LTE	1	438	130.4	0.0093	850	0.5667	1.63%							
*Nextel	4	50	120	0.0050	851	0.5673	0.88%							
*FBI	1	238.86	145	0.0041	167.6875	0.2000	2.04%							
*Westport Fire	1	562.34	145	0.0096	460.575	0.3071	3.13%							
*Westport Fire	1	1068.45	145	0.0183	460.625	0.3071	5.95%							
*Westport Fire Low Band	1	50	145	0.0009	46.22	0.2000	0.43%							
*Westport Police	1	1000	145	0.0171	855.712	0.5705	3.00%							
*Westport Police	1	398.11	145	0.0068	866.925	0.5780	1.18%							
*Westport Townwide	1	56.25	145	0.0010	453.775	0.3025	0.32%							
<b>Verizon</b>	<b>15</b>	<b>307</b>	<b>110</b>	<b>0.1368</b>	<b>1970</b>	<b>1.0000</b>	<b>13.68%</b>							
<b>Verizon</b>	<b>9</b>	<b>323</b>	<b>110</b>	<b>0.0864</b>	<b>869</b>	<b>0.5793</b>	<b>14.91%</b>							
<b>Verizon</b>	<b>1</b>	<b>1750</b>	<b>110</b>	<b>0.0520</b>	<b>2145</b>	<b>1.0000</b>	<b>5.20%</b>							
<b>Verizon</b>	<b>1</b>	<b>840</b>	<b>110</b>	<b>0.0250</b>	<b>698</b>	<b>0.4653</b>	<b>5.36%</b>							
								<b>82.78%</b>						
* Source: Siting Council														

# ATTACHMENT 3



**AMERICAN TOWER®**  
CORPORATION

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## Structural Analysis Report

**Structure** : 140 ft Monopole  
**ATC Site Name** : WSPT-Westport Rebuild CT, CT  
**ATC Site Number** : 310968  
**Engineering Number** : 54953221  
**Proposed Carrier** : Verizon  
**Carrier Site Name** : Westport 2  
**Carrier Site Number** : N/A  
**Site Location** : 180A Bayberry Lane  
Westport, CT 06880-2844  
41.171667,-73.328467  
**County** : Fairfield  
**Date** : November 22, 2013  
**Max Usage** : 84%  
**Result** : Pass

A. Weston Collins, E.I.



Nov 25 2013 7:55 AM



Eng. Number 54953221  
November 22, 2013

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Deflection, Twist, and Sway.....	3
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## Introduction

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

## Supporting Documents

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

## Analysis

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

<b>Basic Wind Speed:</b>	110 mph (3-Second Gust)
<b>Basic Wind Speed w/ Ice:</b>	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
<b>Code:</b>	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
<b>Structure Class:</b>	II
<b>Exposure Category:</b>	B
<b>Topographic Category:</b>	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](mailto: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. <sup>1</sup> (ft)	Qty.	Antenna	Mount Type	Lines	Carrier
138.0	1	6' Dipole	Platform w/ Handrails	(5) 7/8" Coax (3) 1 5/8" Coax (1) EW90	Town of Westport
	1	6' FM Antenna			
	2	6' Omni			
	2	8' Omni			
	1	Andrew VHLP2.5-10W		(2) 7/8" Coax	US Treasury
	3	8' Omni			
	1	8' Omni (inverted)			
	1	Decibel DB589			
130.0	3	Alcatel-Lucent 4x40W RRH	Low Profile Platform	(6) 1 5/8" Coax (3) 1 1/4" Hybriflex	Sprint Nextel
	3	Alcatel-Lucent 800 MHz 2X50W RRH w/Filter			
	6	Decibel DB980F650E-M			
	3	RFS APXVSP18-C-A20			
120.0	12	48" x 8" Panels	Low Profile Platform	(12) 1 1/4" Coax	
110.0	3	Antel BXA-171063-8BF-EDIN-X	Low Profile Platform	(12) 1 5/8" Coax	Verizon
	1	Antel BXA-70063/6CF			
	2	Powerwave P65-16-XL-2			
	6	RFS FD9R6004/2C-3L		(2) 1/2" Coax	Enertrac
	2	Diamond X50A			
100.0	6	Ericsson RRUS 11 (Band 12)	Low Profile Platform	(12) 1 5/8" Coax (2) 0.74" 8 AWG 7 (1) 3/8" Coax (1) 0.28" RG6	AT&T Mobility
	6	Powerwave 7770.00			
	6	Powerwave LGP21401			
	6	Powerwave LGP21901			
	3	Powerwave P65-16-XLH-RR			
	1	Raycap DC6-48-60-18-8F			
87.0	3	Ericsson AIR 21, 1.3M, B2A B4P	Low Profile Platform	(12) 1 5/8" Coax (1) 1 1/4" Fiber	T-Mobile
	3	Ericsson AIR 21, 1.3M, B4A B2P			
	3	RFS ATMAP1412D-1A20			

**Proposed Equipment**

Elevation <sup>1</sup> (ft)		Qty.	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
110.0	110.0	3	Alcatel-Lucent RRH2x40-AWS	Low Profile Platform	(1) 1 5/8" Hybriflex	Verizon
		3	Antel BXA-171063/12CF-EDIN-X			
		3	Antel BXA-70080/6CF			
		1	RFS DB-T1-6Z-8AB-OZ			

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

Install proposed coax inside the pole shaft.



**Structure Usages**

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	77%	Pass
Shaft	84%	Pass
Base Plate	41%	Pass

**Foundations**

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	3,550.0	4,792.5	3,440.1	72%
Shear (Kips)	35.0	47.3	33.1	70%

\* The design reactions are factored by 1.35 per ANSI/TIA-222-G, Sec. 15.5.1

The structure base reactions resulting from this analysis are acceptable when compared to those shown on the original structure drawings, therefore no modification or reinforcement of the foundation will be required.

**Deflection and Sway\***

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
110.0	0.970	1.023

\*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:

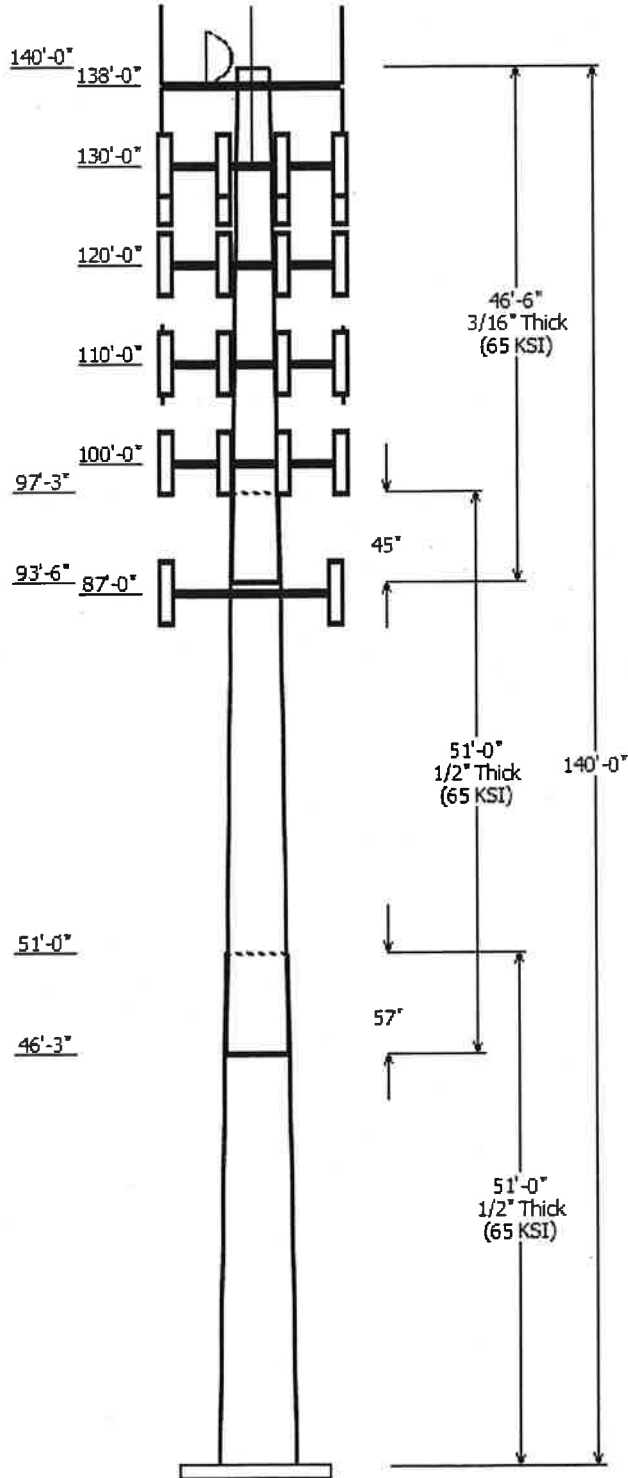
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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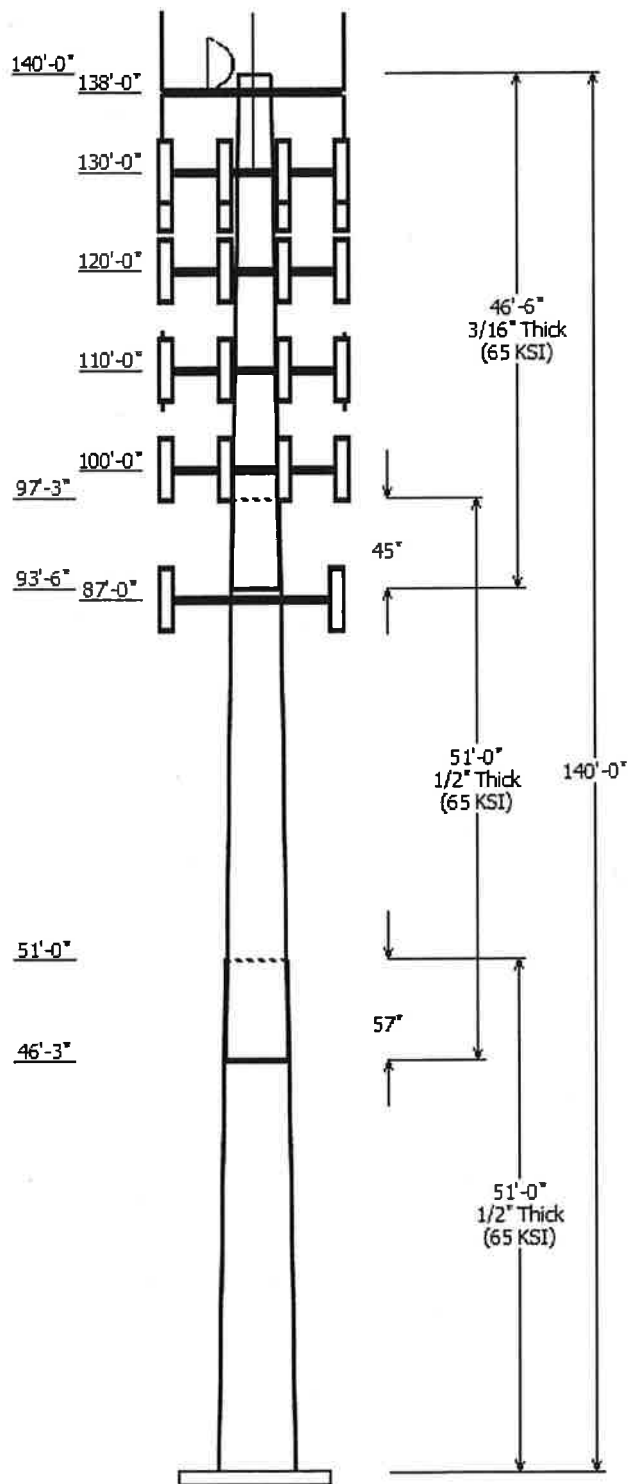


Job Information	
Pole : 310968	Code: ANSI/TIA-222 Rev G
Description : 140 ft Summit Monopole	
Client : Verizon Wireless	Struct Class : II
Location : WSPT-Westport Rebuild CT, CT	
Shape : 18 Sides	Exposure : B
Height : 140.00 (ft)	Topo : 1
Base Elev (ft): 0.00	
Taper: 0.20003(in/ft)	

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

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
138.000	144.800	1	Decibel DB589	
138.000	134.000	1	8' Omni (inverted)	
138.000	141.000	1	Andrew VHLP2.5-10W	
138.000	138.000	1	Flat Platform w/ Handrails	
138.000	142.000	2	6' Omni	
138.000	142.000	2	8' Omni	
138.000	144.000	3	8' Omni	
138.000	143.000	1	6' FM Antenna	
138.000	142.000	1	6' Dipole	
130.000	128.000	3	Alcatel-Lucent 4x40W RRH	
130.000	128.000	3	Alcatel-Lucent 800 MHz 2X50W	
130.000	130.000	3	RFS APXVSP18-C-A20	
130.000	130.000	1	Flat Low Profile Platform	
130.000	130.000	6	Decibel DB980F650E-M	
120.000	120.000	1	Flat Low Profile Platform	
120.000	120.000	12	48" x 8" Panels	
110.000	110.000	3	Alcatel-Lucent RRH2x40-AWS	
110.000	110.000	1	RFS DB-T1-6Z-8AB-0Z	
110.000	110.000	3	Antel BXA-70080/6CF	
110.000	110.000	3	Antel BXA-171063/12CF-EDIN-X	
110.000	110.000	3	Antel BXA-171063-8BF-EDIN-X	
110.000	110.000	1	Antel BXA-70063/6CF	
110.000	110.000	6	RFS FD9R6004/2C-3L	
110.000	110.000	2	Powerwave P65-16-XL-2	
110.000	110.000	1	Flat Low Profile Platform	
110.000	110.000	2	Diamond X50A	
100.000	100.000	6	Powerwave LGP21401	
100.000	100.000	6	Powerwave 7770.00	
100.000	100.000	1	Raycap DC6-48-60-18-8F	
100.000	100.000	3	Powerwave P65-16-XLH-RR	
100.000	100.000	6	Ericsson RRUS 11 (Band 12)	
100.000	100.000	6	Powerwave LGP21901	
100.000	100.000	1	Round Low Profile Platform	
87.000	87.000	3	RFS ATMAP1412D-1A20	
87.000	87.000	3	Ericsson AIR 21, 1.3M, B2A B4P	
87.000	87.000	3	Ericsson AIR 21, 1.3M, B4A B2P	
87.000	87.000	1	Flat Low Profile Platform	

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
5.000	87.000	1 1/4" (1.25"),	No
5.000	87.000	1 5/8" Coax	No

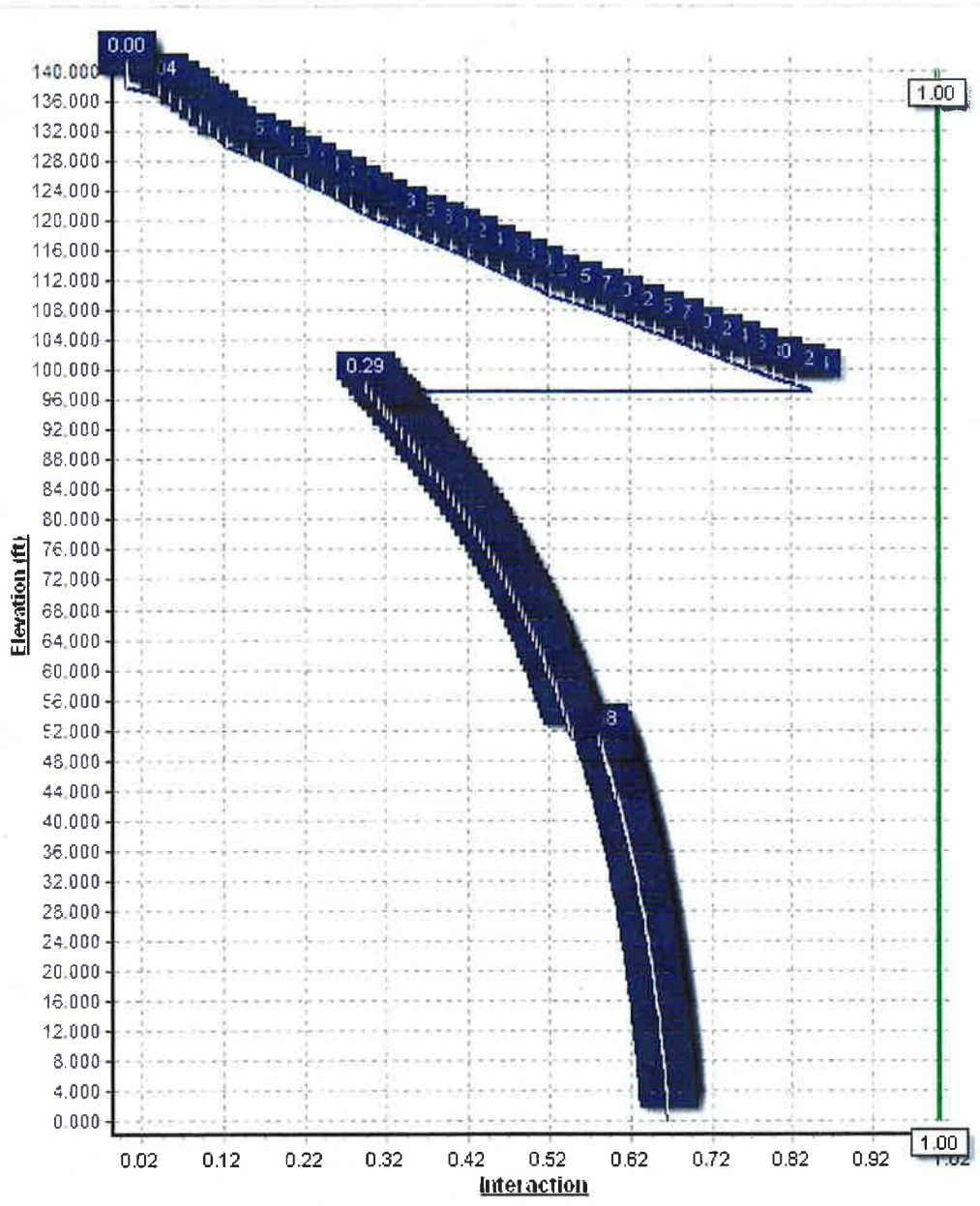


5.000	100.0	1 5/8" Coax	No
5.000	100.0	3/8" Coax	No
5.000	100.0	8 AWG 7	No
5.000	100.0	RG6	No
5.000	110.0	1 5/8" Coax	No
5.000	110.0	1 5/8" Hybriflex	No
5.000	110.0	1/2" Coax	No
5.000	120.0	1 1/4" Coax	No
5.000	130.0	1 1/4" Hybriflex	No
5.000	130.0	1 5/8" Coax	No
5.000	138.0	1 1/4" Coax	No
5.000	138.0	1 5/8" Coax	No
5.000	138.0	7/8" Coax	No
5.000	138.0	7/8" Coax	No
5.000	138.0	EW90	No

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	3440.13	33.13	49.49
0.9D + 1.6W	3401.59	33.13	37.11
1.2D + 1.0Di + 1.0Wi	737.36	7.09	71.66
1.0D + 1.0W	635.72	6.16	41.25

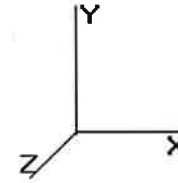
Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	138.00	18.261	1.185



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

Code: 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)	Slip		Weight (lb)	Bottom						Top						Taper (in/ft)	
				Joint Type	Joint Len (in)		Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio		
1-18	51.000	0.5000	65		0.00	11,437	47.13	0.00	74.00	20328.7	14.86	94.26	36.92	51.00	57.81	9692.3	11.26	73.86	0.200036	
2-18	51.000	0.5000	65	Slip	57.00	9,165	38.87	46.25	60.90	11333.7	11.95	77.76	28.67	97.25	44.71	4485.1	8.35	57.35	0.200036	
3-18	46.500	0.1875	65	Slip	45.00	2,351	29.80	93.50	17.62	1952.7	26.26	158.94	20.50	140.00	12.09	630.1	17.52	109.33	0.200036	
Shaft Weight						22,952														

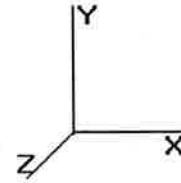
**Discrete Appurtenance Properties**

Attach Elev (ft)	Description	Qty	No Ice			Ice			Distance From Face (ft)	Vert Ecc (ft)
			Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor		
138.00	6' Dipole	1	20.00	2.220	1.00	86.96	4.896	1.00	0.000	4.000
138.00	6' FM Antenna	1	30.00	13.450	1.00	50.77	22.761	1.00	0.000	5.000
138.00	6' Omni	2	25.00	1.760	1.00	106.10	3.061	1.00	0.000	4.000
138.00	8' Omni	3	40.00	2.400	1.00	146.57	4.403	1.00	0.000	6.000
138.00	8' Omni	2	40.00	2.400	1.00	146.57	4.403	1.00	0.000	4.000
138.00	8' Omni (inverted)	1	40.00	2.400	1.00	146.57	4.403	1.00	0.000	-4.000
138.00	Andrew VHLP2.5-10W	1	47.60	8.430	1.00	218.86	10.122	1.00	0.000	3.000
138.00	Decibel DB589	1	11.50	1.380	1.00	94.28	4.529	1.00	0.000	6.800
138.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	3,412.26	63.241	1.00	0.000	0.000
130.00	Alcatel-Lucent 4x40W RRH	3	91.00	3.290	0.67	214.81	3.126	0.67	0.000	-2.000
130.00	Alcatel-Lucent 800 MHz	3	64.00	2.060	0.67	191.55	4.147	0.67	0.000	-2.000
130.00	Decibel DB980F650E-M	6	9.50	3.750	0.81	99.52	4.786	0.81	0.000	0.000
130.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	2,140.00	44.959	1.00	0.000	0.000
130.00	RFS APXVSP18-C-A20	3	57.00	8.020	0.83	253.31	9.295	0.83	0.000	0.000
120.00	48" x 8" Panels	12	14.00	3.610	0.90	121.63	4.486	0.90	0.000	0.000
120.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	2,134.89	44.809	1.00	0.000	0.000
110.00	Alcatel-Lucent RRH2x40-AWS	3	44.00	2.160	0.67	114.72	2.783	0.67	0.000	0.000
110.00	Antel BXA-171063-8BF-EDIN-X	3	10.50	2.940	0.87	90.50	3.779	0.87	0.000	0.000
110.00	Antel BXA-171063/12CF-EDIN-	3	15.00	4.790	0.88	130.67	5.960	0.88	0.000	0.000
110.00	Antel BXA-70063/6CF	1	17.00	7.580	1.00	178.03	8.778	1.00	0.000	0.000
110.00	Antel BXA-70080/6CF	3	18.08	5.840	0.88	163.50	7.038	0.88	0.000	0.000
110.00	Diamond X50A	2	2.30	1.120	1.00	59.89	2.470	1.00	0.000	0.000
110.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	2,129.39	44.647	1.00	0.000	0.000
110.00	Powerwave P65-16-XL-2	2	33.00	8.130	0.81	208.09	9.387	0.81	0.000	0.000
110.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	4.800	0.67	182.58	5.645	0.67	0.000	0.000
110.00	RFS FD9R6004/2C-3L	6	2.60	0.370	0.50	15.08	0.569	0.50	0.000	0.000
100.00	Ericsson RRUS 11 (Band 12)	6	55.00	2.520	0.67	131.48	3.137	0.67	0.000	0.000
100.00	Powerwave 7770.00	6	35.00	5.510	0.77	163.63	6.520	0.77	0.000	0.000
100.00	Powerwave LGP21401	6	14.10	1.100	0.50	45.91	1.543	0.50	0.000	0.000
100.00	Powerwave LGP21901	6	5.50	0.230	0.50	17.32	0.417	0.50	0.000	0.000
100.00	Powerwave P65-16-XLH-RR	3	53.00	8.130	0.79	235.58	9.374	0.79	0.000	0.000
100.00	Raycap DC6-48-60-18-8F	1	31.80	1.280	1.00	120.26	2.825	1.00	0.000	0.000
100.00	Round Low Profile Platform	1	1500.00	21.700	1.00	2,123.42	40.174	1.00	0.000	0.000
87.00	Ericsson AIR 21, 1.3M, B2A	3	83.00	6.050	0.86	241.44	7.086	0.86	0.000	0.000
87.00	Ericsson AIR 21, 1.3M, B4A	3	81.50	6.090	0.85	239.89	7.131	0.85	0.000	0.000
87.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	2,114.80	44.217	1.00	0.000	0.000
87.00	RFS ATMAP1412D-1A20	3	13.00	1.170	0.50	45.88	1.418	0.50	0.000	0.000
Totals		106	12550.94			26,676.82			Number of Loadings : 37	

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

Code: 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

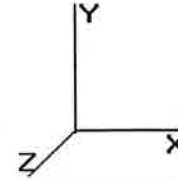
Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
5.00	138.00	(1) 1 1/4" Coax	0.00	N
5.00	138.00	(3) 1 5/8" Coax	0.00	N
5.00	138.00	(5) 7/8" Coax	0.00	N
5.00	138.00	(2) 7/8" Coax	0.00	N
5.00	138.00	(1) EW90	0.00	N
5.00	130.00	(3) 1 1/4" Hybriflex	0.00	N
5.00	130.00	(6) 1 5/8" Coax	0.00	N
5.00	120.00	(12) 1 1/4" Coax	0.00	N
5.00	110.00	(12) 1 5/8" Coax	0.00	N
5.00	110.00	(1) 1 5/8" Hybriflex	0.00	N
5.00	110.00	(2) 1/2" Coax	0.00	N
5.00	100.00	(12) 1 5/8" Coax	0.00	N
5.00	100.00	(1) 3/8" Coax	0.00	N
5.00	100.00	(2) 8 AWG 7	0.00	N
5.00	100.00	(1) RG6	0.00	N
5.00	87.00	1 1/4" (1.25", 31.8m)	0.00	N
5.00	87.00	(12) 1 5/8" Coax	0.00	N



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

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

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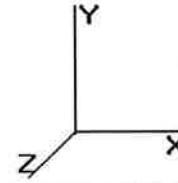
**Segment Properties** (Max Len : 1 ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in3)	Weight (lb)
0.00		0.5000	47.130	73.999	20,328.7	14.86	94.26	82.6	849.6	0.0
1.00		0.5000	46.930	73.682	20,068.2	14.79	93.86	82.6	842.2	251.3
2.00		0.5000	46.730	73.364	19,810.0	14.72	93.46	82.6	835.0	250.2
3.00		0.5000	46.530	73.047	19,553.9	14.65	93.06	82.6	827.7	249.1
4.00		0.5000	46.330	72.729	19,300.1	14.58	92.66	82.6	820.5	248.0
5.00		0.5000	46.130	72.412	19,048.5	14.50	92.26	82.6	813.3	246.9
6.00		0.5000	45.930	72.094	18,799.1	14.43	91.86	82.6	806.2	245.9
7.00		0.5000	45.730	71.777	18,551.8	14.36	91.46	82.6	799.0	244.8
8.00		0.5000	45.530	71.460	18,306.8	14.29	91.06	82.6	792.0	243.7
9.00		0.5000	45.330	71.142	18,063.9	14.22	90.66	82.6	784.9	242.6
10.00		0.5000	45.130	70.825	17,823.2	14.15	90.26	82.6	777.9	241.5
11.00		0.5000	44.930	70.507	17,584.6	14.08	89.86	82.6	770.9	240.5
12.00		0.5000	44.730	70.190	17,348.1	14.01	89.46	82.6	763.9	239.4
13.00		0.5000	44.530	69.872	17,113.8	13.94	89.06	82.6	757.0	238.3
14.00		0.5000	44.330	69.555	16,881.6	13.87	88.66	82.6	750.1	237.2
15.00		0.5000	44.129	69.237	16,651.5	13.80	88.26	82.6	743.2	236.1
16.00		0.5000	43.929	68.920	16,423.5	13.73	87.86	82.6	736.4	235.1
17.00		0.5000	43.729	68.603	16,197.6	13.66	87.46	82.6	729.6	234.0
18.00		0.5000	43.529	68.285	15,973.8	13.59	87.06	82.6	722.8	232.9
19.00		0.5000	43.329	67.968	15,752.1	13.52	86.66	82.6	716.0	231.8
20.00		0.5000	43.129	67.650	15,532.4	13.45	86.26	82.6	709.3	230.7
21.00		0.5000	42.929	67.333	15,314.8	13.38	85.86	82.6	702.6	229.7
22.00		0.5000	42.729	67.015	15,099.2	13.31	85.46	82.6	696.0	228.6
23.00		0.5000	42.529	66.698	14,885.6	13.23	85.06	82.6	689.4	227.5
24.00		0.5000	42.329	66.380	14,674.1	13.16	84.66	82.6	682.8	226.4
25.00		0.5000	42.129	66.063	14,464.6	13.09	84.26	82.6	676.2	225.3
26.00		0.5000	41.929	65.746	14,257.1	13.02	83.86	82.6	669.7	224.3
27.00		0.5000	41.729	65.428	14,051.5	12.95	83.46	82.6	663.2	223.2
28.00		0.5000	41.529	65.111	13,848.0	12.88	83.06	82.6	656.8	222.1
29.00		0.5000	41.329	64.793	13,646.4	12.81	82.66	82.6	650.3	221.0
30.00		0.5000	41.129	64.476	13,446.8	12.74	82.26	82.6	644.0	219.9
31.00		0.5000	40.929	64.158	13,249.2	12.67	81.86	82.6	637.6	218.9
32.00		0.5000	40.729	63.841	13,053.5	12.60	81.46	82.6	631.3	217.8
33.00		0.5000	40.529	63.523	12,859.8	12.53	81.06	82.6	625.0	216.7
34.00		0.5000	40.329	63.206	12,667.9	12.46	80.66	82.6	618.7	215.6
35.00		0.5000	40.129	62.889	12,478.0	12.39	80.26	82.6	612.5	214.5
36.00		0.5000	39.929	62.571	12,290.0	12.32	79.86	82.6	606.2	213.5
37.00		0.5000	39.729	62.254	12,103.9	12.25	79.46	82.6	600.1	212.4
38.00		0.5000	39.529	61.936	11,919.7	12.18	79.06	82.6	593.9	211.3
39.00		0.5000	39.329	61.619	11,737.3	12.11	78.66	82.6	587.8	210.2
40.00		0.5000	39.129	61.301	11,556.9	12.04	78.26	82.6	581.7	209.1
41.00		0.5000	38.929	60.984	11,378.3	11.97	77.86	82.6	575.7	208.1
42.00		0.5000	38.729	60.666	11,201.5	11.89	77.46	82.6	569.7	207.0
43.00		0.5000	38.528	60.349	11,026.6	11.82	77.06	82.6	563.7	205.9
44.00		0.5000	38.328	60.032	10,853.5	11.75	76.66	82.6	557.7	204.8
45.00		0.5000	38.128	59.714	10,682.2	11.68	76.26	82.6	551.8	203.7
46.00		0.5000	37.928	59.397	10,512.8	11.61	75.86	82.6	545.9	202.7
46.25	Bot - Section 2	0.5000	37.878	59.317	10,470.7	11.59	75.76	82.6	544.5	50.5
47.00		0.5000	37.728	59.079	10,345.1	11.54	75.46	82.6	540.1	306.2
48.00		0.5000	37.528	58.762	10,179.2	11.47	75.06	82.6	534.2	406.4
49.00		0.5000	37.328	58.444	10,015.2	11.40	74.66	82.6	528.4	404.2
50.00		0.5000	37.128	58.127	9,852.8	11.33	74.26	82.6	522.7	402.1
51.00	Top - Section 1	0.5000	37.928	59.396	10,512.6	11.61	75.86	82.6	545.9	399.9
52.00		0.5000	37.728	59.079	10,345.0	11.54	75.46	82.6	540.1	201.6
53.00		0.5000	37.528	58.761	10,179.1	11.47	75.06	82.6	534.2	200.5
54.00		0.5000	37.328	58.444	10,015.0	11.40	74.66	82.6	528.4	199.4
55.00		0.5000	37.128	58.127	9,852.7	11.33	74.26	82.6	522.7	198.3
56.00		0.5000	36.928	57.809	9,692.2	11.26	73.86	82.6	516.9	197.3

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

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

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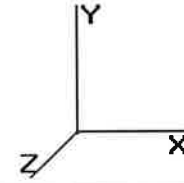


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57.00	0.5000	36.728	57.492	9,533.4	11.19	73.46	82.6	511.2	196.2	
58.00	0.5000	36.528	57.174	9,376.3	11.12	73.06	82.6	505.6	195.1	
59.00	0.5000	36.328	56.857	9,221.0	11.05	72.66	82.6	499.9	194.0	
60.00	0.5000	36.128	56.539	9,067.4	10.98	72.26	82.6	494.3	192.9	
61.00	0.5000	35.928	56.222	8,915.5	10.91	71.86	82.6	488.8	191.9	
62.00	0.5000	35.728	55.904	8,765.4	10.84	71.46	82.6	483.2	190.8	
63.00	0.5000	35.528	55.587	8,616.9	10.77	71.06	82.6	477.7	189.7	
64.00	0.5000	35.328	55.270	8,470.1	10.70	70.66	82.6	472.2	188.6	
65.00	0.5000	35.128	54.952	8,325.0	10.62	70.26	82.6	466.8	187.5	
66.00	0.5000	34.928	54.635	8,181.6	10.55	69.86	82.6	461.4	186.4	
67.00	0.5000	34.728	54.317	8,039.8	10.48	69.46	82.6	456.0	185.4	
68.00	0.5000	34.528	54.000	7,899.6	10.41	69.06	82.6	450.6	184.3	
69.00	0.5000	34.328	53.682	7,761.1	10.34	68.66	82.6	445.3	183.2	
70.00	0.5000	34.128	53.365	7,624.3	10.27	68.26	82.6	440.0	182.1	
71.00	0.5000	33.927	53.047	7,489.0	10.20	67.85	82.6	434.8	181.0	
72.00	0.5000	33.727	52.730	7,355.4	10.13	67.45	82.6	429.5	180.0	
73.00	0.5000	33.527	52.413	7,223.3	10.06	67.05	82.6	424.3	178.9	
74.00	0.5000	33.327	52.095	7,092.9	9.99	66.65	82.6	419.2	177.8	
75.00	0.5000	33.127	51.778	6,964.0	9.92	66.25	82.6	414.1	176.7	
76.00	0.5000	32.927	51.460	6,836.7	9.85	65.85	82.6	409.0	175.6	
77.00	0.5000	32.727	51.143	6,711.0	9.78	65.45	82.6	403.9	174.6	
78.00	0.5000	32.527	50.825	6,586.8	9.71	65.05	82.6	398.8	173.5	
79.00	0.5000	32.327	50.508	6,464.1	9.64	64.65	82.6	393.8	172.4	
80.00	0.5000	32.127	50.190	6,343.0	9.57	64.25	82.6	388.9	171.3	
81.00	0.5000	31.927	49.873	6,223.4	9.50	63.85	82.6	383.9	170.2	
82.00	0.5000	31.727	49.556	6,105.3	9.43	63.45	82.6	379.0	169.2	
83.00	0.5000	31.527	49.238	5,988.7	9.35	63.05	82.6	374.1	168.1	
84.00	0.5000	31.327	48.921	5,873.7	9.28	62.65	82.6	369.3	167.0	
85.00	0.5000	31.127	48.603	5,760.0	9.21	62.25	82.6	364.5	165.9	
86.00	0.5000	30.927	48.286	5,647.9	9.14	61.85	82.6	359.7	164.8	
87.00	0.5000	30.727	47.968	5,537.3	9.07	61.45	82.6	354.9	163.8	
88.00	0.5000	30.527	47.651	5,428.1	9.00	61.05	82.6	350.2	162.7	
89.00	0.5000	30.327	47.333	5,320.3	8.93	60.65	82.6	345.5	161.6	
90.00	0.5000	30.127	47.016	5,214.0	8.86	60.25	82.6	340.9	160.5	
91.00	0.5000	29.927	46.699	5,109.1	8.79	59.85	82.6	336.3	159.4	
92.00	0.5000	29.727	46.381	5,005.6	8.72	59.45	82.6	331.7	158.4	
93.00	0.5000	29.527	46.064	4,903.5	8.65	59.05	82.6	327.1	157.3	
93.50	Bot - Section 3	0.5000	29.427	45.905	4,853.0	8.61	58.85	82.6	324.8	78.2
94.00		0.5000	29.327	45.746	4,802.8	8.58	58.65	82.6	322.6	107.9
95.00		0.5000	29.127	45.429	4,703.5	8.51	58.25	82.6	318.1	214.7
96.00		0.5000	28.927	45.111	4,605.6	8.44	57.85	82.6	313.6	213.2
97.00		0.5000	28.727	44.794	4,509.1	8.37	57.45	82.6	309.2	211.7
97.25	Top - Section 2	0.1875	29.052	17.177	1,808.1	25.56	154.94	71.3	122.6	52.7
98.00		0.1875	28.902	17.088	1,780.0	25.42	154.14	71.5	121.3	43.7
99.00		0.1875	28.701	16.969	1,743.1	25.23	153.07	71.7	119.6	57.9
100.0		0.1875	28.501	16.850	1,706.7	25.04	152.01	71.9	117.9	57.5
101.0		0.1875	28.301	16.731	1,670.7	24.85	150.94	72.2	116.3	57.1
102.0		0.1875	28.101	16.612	1,635.3	24.66	149.87	72.4	114.6	56.7
103.0		0.1875	27.901	16.493	1,600.4	24.48	148.81	72.6	113.0	56.3
104.0		0.1875	27.701	16.374	1,566.0	24.29	147.74	72.8	111.3	55.9
105.0		0.1875	27.501	16.255	1,532.1	24.10	146.67	73.1	109.7	55.5
106.0		0.1875	27.301	16.135	1,498.7	23.91	145.61	73.3	108.1	55.1
107.0		0.1875	27.101	16.016	1,465.8	23.72	144.54	73.5	106.5	54.7
108.0		0.1875	26.901	15.897	1,433.3	23.53	143.47	73.7	104.9	54.3
109.0		0.1875	26.701	15.778	1,401.4	23.35	142.41	73.9	103.4	53.9
110.0		0.1875	26.501	15.659	1,369.9	23.16	141.34	74.2	101.8	53.5
111.0		0.1875	26.301	15.540	1,338.9	22.97	140.27	74.4	100.3	53.1
112.0		0.1875	26.101	15.421	1,308.3	22.78	139.21	74.6	98.7	52.7
113.0		0.1875	25.901	15.302	1,278.3	22.59	138.14	74.8	97.2	52.3
114.0		0.1875	25.701	15.183	1,248.7	22.41	137.07	75.0	95.7	51.9
115.0		0.1875	25.501	15.064	1,219.5	22.22	136.00	75.3	94.2	51.5
116.0		0.1875	25.301	14.945	1,190.9	22.03	134.94	75.5	92.7	51.1
117.0		0.1875	25.101	14.826	1,162.6	21.84	133.87	75.7	91.2	50.7
118.0		0.1875	24.901	14.707	1,134.8	21.65	132.80	75.9	89.8	50.2

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

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



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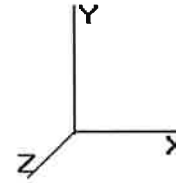
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119.0	0.1875	24.701	14.588	1,107.5	21.47	131.74	76.2	88.3	49.8
120.0	0.1875	24.501	14.469	1,080.6	21.28	130.67	76.4	86.9	49.4
121.0	0.1875	24.301	14.350	1,054.2	21.09	129.60	76.6	85.4	49.0
122.0	0.1875	24.101	14.231	1,028.1	20.90	128.54	76.8	84.0	48.6
123.0	0.1875	23.901	14.112	1,002.6	20.71	127.47	77.0	82.6	48.2
124.0	0.1875	23.701	13.993	977.4	20.52	126.40	77.3	81.2	47.8
125.0	0.1875	23.501	13.874	952.7	20.34	125.34	77.5	79.8	47.4
126.0	0.1875	23.300	13.755	928.4	20.15	124.27	77.7	78.5	47.0
127.0	0.1875	23.100	13.636	904.5	19.96	123.20	77.9	77.1	46.6
128.0	0.1875	22.900	13.517	881.0	19.77	122.14	78.1	75.8	46.2
129.0	0.1875	22.700	13.398	857.9	19.58	121.07	78.4	74.4	45.8
130.0	0.1875	22.500	13.278	835.2	19.40	120.00	78.6	73.1	45.4
131.0	0.1875	22.300	13.159	813.0	19.21	118.94	78.8	71.8	45.0
132.0	0.1875	22.100	13.040	791.1	19.02	117.87	79.0	70.5	44.6
133.0	0.1875	21.900	12.921	769.6	18.83	116.80	79.3	69.2	44.2
134.0	0.1875	21.700	12.802	748.6	18.64	115.73	79.5	67.9	43.8
135.0	0.1875	21.500	12.683	727.9	18.46	114.67	79.7	66.7	43.4
136.0	0.1875	21.300	12.564	707.6	18.27	113.60	79.9	65.4	43.0
137.0	0.1875	21.100	12.445	687.7	18.08	112.53	80.1	64.2	42.6
138.0	0.1875	20.900	12.326	668.1	17.89	111.47	80.4	63.0	42.1
139.0	0.1875	20.700	12.207	648.9	17.70	110.40	80.6	61.7	41.7
140.0	0.1875	20.500	12.088	630.1	17.52	109.33	80.8	60.5	41.3
									22,952.4

Pole : 310968  
 Location : WSPT-Westport Rebuild CT, CT  
 Height : 140.0 (ft)  
 Base Dia : 47.13 (in)  
 Top Dia : 20.50 (in)  
 Shape : 18 Sides  
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Code: ANSI/TIA-222 Rev G  
 Struct Class : II  
 Exposure Category : B  
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 Base Elev : 0.000 (ft)

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<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

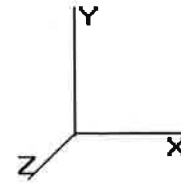
**Shaft Segment Forces (Factored)**

Seg Top			Ice				Wind		Dead		Tot Dead			
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Force X (lb)	Load Ice (lb)	Load (lb)
0.00		1.00	0.70	20.599	22.65	367.03	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	20.599	22.65	365.47	0.650	0.000	1.00	3.980	2.59	93.8	0.0	301.5
2.00		1.00	0.70	20.599	22.65	363.91	0.650	0.000	1.00	3.963	2.58	93.4	0.0	300.2
3.00		1.00	0.70	20.599	22.65	362.36	0.650	0.000	1.00	3.946	2.56	93.0	0.0	298.9
4.00		1.00	0.70	20.599	22.65	360.80	0.650	0.000	1.00	3.929	2.55	92.6	0.0	297.6
5.00		1.00	0.70	20.599	22.65	359.24	0.650	0.000	1.00	3.912	2.54	92.2	0.0	296.3
6.00		1.00	0.70	20.599	22.65	357.68	0.650	0.000	1.00	3.895	2.53	91.8	0.0	295.0
7.00		1.00	0.70	20.599	22.65	356.12	0.650	0.000	1.00	3.878	2.52	91.4	0.0	293.7
8.00		1.00	0.70	20.599	22.65	354.57	0.650	0.000	1.00	3.861	2.51	91.0	0.0	292.4
9.00		1.00	0.70	20.599	22.65	353.01	0.650	0.000	1.00	3.844	2.50	90.6	0.0	291.1
10.00		1.00	0.70	20.599	22.65	351.45	0.650	0.000	1.00	3.827	2.49	90.2	0.0	289.8
11.00		1.00	0.70	20.599	22.65	349.89	0.650	0.000	1.00	3.810	2.48	89.8	0.0	288.6
12.00		1.00	0.70	20.599	22.65	348.34	0.650	0.000	1.00	3.793	2.47	89.4	0.0	287.3
13.00		1.00	0.70	20.599	22.65	346.78	0.650	0.000	1.00	3.777	2.45	89.0	0.0	286.0
14.00		1.00	0.70	20.599	22.65	345.22	0.650	0.000	1.00	3.760	2.44	88.6	0.0	284.7
15.00		1.00	0.70	20.599	22.65	343.66	0.650	0.000	1.00	3.743	2.43	88.2	0.0	283.4
16.00		1.00	0.70	20.599	22.65	342.10	0.650	0.000	1.00	3.726	2.42	87.8	0.0	282.1
17.00		1.00	0.70	20.599	22.65	340.55	0.650	0.000	1.00	3.709	2.41	87.4	0.0	280.8
18.00		1.00	0.70	20.599	22.65	338.99	0.650	0.000	1.00	3.692	2.40	87.0	0.0	279.5
19.00		1.00	0.70	20.599	22.65	337.43	0.650	0.000	1.00	3.675	2.39	86.6	0.0	278.2
20.00		1.00	0.70	20.599	22.65	335.87	0.650	0.000	1.00	3.658	2.38	86.2	0.0	276.9
21.00		1.00	0.70	20.599	22.65	334.32	0.650	0.000	1.00	3.641	2.37	85.8	0.0	275.6
22.00		1.00	0.70	20.599	22.65	332.76	0.650	0.000	1.00	3.624	2.36	85.4	0.0	274.3
23.00		1.00	0.70	20.599	22.65	331.20	0.650	0.000	1.00	3.607	2.34	85.0	0.0	273.0
24.00		1.00	0.70	20.599	22.65	329.64	0.650	0.000	1.00	3.590	2.33	84.6	0.0	271.7
25.00		1.00	0.70	20.599	22.65	328.08	0.650	0.000	1.00	3.573	2.32	84.2	0.0	270.4
26.00		1.00	0.70	20.599	22.65	326.53	0.650	0.000	1.00	3.556	2.31	83.8	0.0	269.1
27.00		1.00	0.70	20.599	22.65	324.97	0.650	0.000	1.00	3.540	2.30	83.4	0.0	267.8
28.00		1.00	0.70	20.599	22.65	323.41	0.650	0.000	1.00	3.523	2.29	83.0	0.0	266.5
29.00		1.00	0.70	20.599	22.65	321.85	0.650	0.000	1.00	3.506	2.28	82.6	0.0	265.2
30.00		1.00	0.70	20.616	22.67	320.43	0.650	0.000	1.00	3.489	2.27	82.3	0.0	263.9
31.00		1.00	0.70	20.810	22.89	320.37	0.650	0.000	1.00	3.472	2.26	82.7	0.0	262.6
32.00		1.00	0.71	21.000	23.10	320.25	0.650	0.000	1.00	3.455	2.25	83.0	0.0	261.3
33.00		1.00	0.72	21.186	23.30	320.08	0.650	0.000	1.00	3.438	2.23	83.3	0.0	260.0
34.00		1.00	0.72	21.367	23.50	319.86	0.650	0.000	1.00	3.421	2.22	83.6	0.0	258.7
35.00		1.00	0.73	21.545	23.69	319.60	0.650	0.000	1.00	3.404	2.21	83.9	0.0	257.4
36.00		1.00	0.73	21.719	23.89	319.29	0.650	0.000	1.00	3.387	2.20	84.2	0.0	256.1
37.00		1.00	0.74	21.890	24.07	318.93	0.650	0.000	1.00	3.370	2.19	84.4	0.0	254.9
38.00		1.00	0.75	22.057	24.26	318.54	0.650	0.000	1.00	3.353	2.18	84.6	0.0	253.6
39.00		1.00	0.75	22.221	24.44	318.11	0.650	0.000	1.00	3.336	2.17	84.8	0.0	252.3
40.00		1.00	0.76	22.383	24.62	317.64	0.650	0.000	1.00	3.319	2.16	85.0	0.0	251.0
41.00		1.00	0.76	22.541	24.79	317.13	0.650	0.000	1.00	3.303	2.15	85.2	0.0	249.7
42.00		1.00	0.77	22.697	24.96	316.59	0.650	0.000	1.00	3.286	2.14	85.3	0.0	248.4
43.00		1.00	0.77	22.850	25.13	316.01	0.650	0.000	1.00	3.269	2.12	85.4	0.0	247.1
44.00		1.00	0.78	23.000	25.30	315.41	0.650	0.000	1.00	3.252	2.11	85.6	0.0	245.8
45.00		1.00	0.78	23.149	25.46	314.77	0.650	0.000	1.00	3.235	2.10	85.7	0.0	244.5
46.00		1.00	0.79	23.294	25.62	314.10	0.650	0.000	1.00	3.218	2.09	85.8	0.0	243.2
46.25	Bot - Section 2	1.00	0.79	23.331	25.66	313.93	0.650	0.000	0.25	0.802	0.52	21.4	0.0	60.6
47.00		1.00	0.79	23.438	25.78	313.41	0.650	0.000	0.75	2.463	1.60	66.0	0.0	367.4
48.00		1.00	0.80	23.579	25.93	312.68	0.650	0.000	1.00	3.269	2.12	88.2	0.0	487.7
49.00		1.00	0.80	23.719	26.09	311.93	0.650	0.000	1.00	3.252	2.11	88.2	0.0	485.1

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

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

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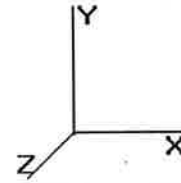
<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

50.00		1.00	0.81	23.856	26.24	311.16	0.650	0.000	1.00	3.235	2.10	88.3	0.0	482.5
51.00	Top - Section 1	1.00	0.81	23.991	26.39	310.36	0.650	0.000	1.00	3.218	2.09	88.3	0.0	479.9
52.00		1.00	0.82	24.125	26.53	317.96	0.650	0.000	1.00	3.201	2.08	88.3	0.0	241.9
53.00		1.00	0.82	24.257	26.68	317.14	0.650	0.000	1.00	3.184	2.07	88.4	0.0	240.6
54.00		1.00	0.82	24.386	26.82	316.29	0.650	0.000	1.00	3.167	2.06	88.4	0.0	239.3
55.00		1.00	0.83	24.515	26.96	315.42	0.650	0.000	1.00	3.150	2.05	88.3	0.0	238.0
56.00		1.00	0.83	24.641	27.10	314.53	0.650	0.000	1.00	3.133	2.04	88.3	0.0	236.7
57.00		1.00	0.84	24.766	27.24	313.62	0.650	0.000	1.00	3.116	2.03	88.3	0.0	235.4
58.00		1.00	0.84	24.889	27.37	312.69	0.650	0.000	1.00	3.099	2.01	88.3	0.0	234.1
59.00		1.00	0.85	25.011	27.51	311.74	0.650	0.000	1.00	3.082	2.00	88.2	0.0	232.8
60.00		1.00	0.85	25.132	27.64	310.77	0.650	0.000	1.00	3.066	1.99	88.1	0.0	231.5
61.00		1.00	0.85	25.251	27.77	309.78	0.650	0.000	1.00	3.049	1.98	88.1	0.0	230.2
62.00		1.00	0.86	25.368	27.90	308.77	0.650	0.000	1.00	3.032	1.97	88.0	0.0	228.9
63.00		1.00	0.86	25.485	28.03	307.74	0.650	0.000	1.00	3.015	1.96	87.9	0.0	227.6
64.00		1.00	0.87	25.599	28.15	306.70	0.650	0.000	1.00	2.998	1.95	87.8	0.0	226.3
65.00		1.00	0.87	25.713	28.28	305.64	0.650	0.000	1.00	2.981	1.94	87.7	0.0	225.0
66.00		1.00	0.87	25.825	28.40	304.56	0.650	0.000	1.00	2.964	1.93	87.6	0.0	223.7
67.00		1.00	0.88	25.937	28.53	303.47	0.650	0.000	1.00	2.947	1.92	87.4	0.0	222.4
68.00		1.00	0.88	26.047	28.65	302.36	0.650	0.000	1.00	2.930	1.90	87.3	0.0	221.1
69.00		1.00	0.88	26.156	28.77	301.23	0.650	0.000	1.00	2.913	1.89	87.2	0.0	219.9
70.00		1.00	0.89	26.263	28.89	300.09	0.650	0.000	1.00	2.896	1.88	87.0	0.0	218.6
71.00		1.00	0.89	26.370	29.00	298.94	0.650	0.000	1.00	2.879	1.87	86.9	0.0	217.3
72.00		1.00	0.90	26.476	29.12	297.77	0.650	0.000	1.00	2.862	1.86	86.7	0.0	216.0
73.00		1.00	0.90	26.580	29.23	296.59	0.650	0.000	1.00	2.846	1.85	86.5	0.0	214.7
74.00		1.00	0.90	26.684	29.35	295.39	0.650	0.000	1.00	2.829	1.84	86.3	0.0	213.4
75.00		1.00	0.91	26.786	29.46	294.19	0.650	0.000	1.00	2.812	1.83	86.2	0.0	212.1
76.00		1.00	0.91	26.888	29.57	292.96	0.650	0.000	1.00	2.795	1.82	86.0	0.0	210.8
77.00		1.00	0.91	26.988	29.68	291.73	0.650	0.000	1.00	2.778	1.81	85.8	0.0	209.5
78.00		1.00	0.92	27.088	29.79	290.48	0.650	0.000	1.00	2.761	1.79	85.6	0.0	208.2
79.00		1.00	0.92	27.187	29.90	289.22	0.650	0.000	1.00	2.744	1.78	85.3	0.0	206.9
80.00		1.00	0.92	27.285	30.01	287.95	0.650	0.000	1.00	2.727	1.77	85.1	0.0	205.6
81.00		1.00	0.93	27.382	30.12	286.66	0.650	0.000	1.00	2.710	1.76	84.9	0.0	204.3
82.00		1.00	0.93	27.478	30.22	285.36	0.650	0.000	1.00	2.693	1.75	84.7	0.0	203.0
83.00		1.00	0.93	27.573	30.33	284.06	0.650	0.000	1.00	2.676	1.74	84.4	0.0	201.7
84.00		1.00	0.94	27.668	30.43	282.74	0.650	0.000	1.00	2.659	1.73	84.2	0.0	200.4
85.00		1.00	0.94	27.761	30.53	281.41	0.650	0.000	1.00	2.642	1.72	83.9	0.0	199.1
86.00		1.00	0.94	27.854	30.64	280.07	0.650	0.000	1.00	2.625	1.71	83.7	0.0	197.8
87.00	Appertunance(s)	1.00	0.95	27.946	30.74	278.72	0.650	0.000	1.00	2.609	1.70	83.4	0.0	196.5
88.00		1.00	0.95	28.038	30.84	277.35	0.650	0.000	1.00	2.592	1.68	83.1	0.0	195.2
89.00		1.00	0.95	28.129	30.94	275.98	0.650	0.000	1.00	2.575	1.67	82.9	0.0	193.9
90.00		1.00	0.95	28.219	31.04	274.60	0.650	0.000	1.00	2.558	1.66	82.6	0.0	192.6
91.00		1.00	0.96	28.308	31.13	273.21	0.650	0.000	1.00	2.541	1.65	82.3	0.0	191.3
92.00		1.00	0.96	28.396	31.23	271.80	0.650	0.000	1.00	2.524	1.64	82.0	0.0	190.0
93.00		1.00	0.96	28.484	31.33	270.39	0.650	0.000	1.00	2.507	1.63	81.7	0.0	188.7
93.50	Bot - Section 3	1.00	0.96	28.528	31.38	269.68	0.650	0.000	0.50	1.247	0.81	40.7	0.0	93.9
94.00		1.00	0.97	28.571	31.42	268.97	0.650	0.000	0.50	1.259	0.82	41.1	0.0	129.5
95.00		1.00	0.97	28.658	31.52	267.54	0.650	0.000	1.00	2.505	1.63	82.1	0.0	257.6
96.00		1.00	0.97	28.744	31.61	266.10	0.650	0.000	1.00	2.488	1.62	81.8	0.0	255.8
97.00		1.00	0.98	28.829	31.71	264.65	0.650	0.000	1.00	2.471	1.61	81.5	0.0	254.1
97.25	Top - Section 2	1.00	0.98	28.850	31.73	264.29	0.650	0.000	0.25	0.615	0.40	20.3	0.0	63.2
98.00		1.00	0.98	28.913	31.80	266.65	0.650	0.000	0.75	1.839	1.20	60.8	0.0	52.5
99.00		1.00	0.98	28.997	31.89	265.19	0.650	0.000	1.00	2.437	1.58	80.8	0.0	69.5
100.0	Appertunance(s)	1.00	0.98	29.081	31.98	263.72	0.650	0.000	1.00	2.420	1.57	80.5	0.0	69.0
101.0		1.00	0.99	29.164	32.08	262.24	0.650	0.000	1.00	2.403	1.56	80.2	0.0	68.6
102.0		1.00	0.99	29.246	32.17	260.76	0.650	0.000	1.00	2.386	1.55	79.8	0.0	68.1
103.0		1.00	0.99	29.328	32.26	259.26	0.650	0.000	1.00	2.369	1.54	79.5	0.0	67.6
104.0		1.00	0.99	29.409	32.34	257.76	0.650	0.000	1.00	2.353	1.53	79.1	0.0	67.1

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

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

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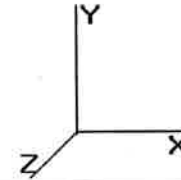
<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>30 Iterations</b>
<b>Gust Response Factor : 1.10</b>		<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 1.20</b>		
<b>Wind Load Factor : 1.60</b>		

105.0	1.00	1.00	29.489	32.43	256.25	0.650	0.000	1.00	2.336	1.52	78.8	0.0	66.6	
106.0	1.00	1.00	29.569	32.52	254.73	0.650	0.000	1.00	2.319	1.51	78.4	0.0	66.1	
107.0	1.00	1.00	29.649	32.61	253.20	0.650	0.000	1.00	2.302	1.50	78.1	0.0	65.6	
108.0	1.00	1.01	29.727	32.70	251.67	0.650	0.000	1.00	2.285	1.49	77.7	0.0	65.2	
109.0	1.00	1.01	29.806	32.78	250.13	0.650	0.000	1.00	2.268	1.47	77.3	0.0	64.7	
110.0	Appertunance(s)	1.00	1.01	29.884	32.87	248.58	0.650	0.000	1.00	2.251	1.46	77.0	0.0	64.2
111.0		1.00	1.01	29.961	32.95	247.02	0.650	0.000	1.00	2.234	1.45	76.6	0.0	63.7
112.0		1.00	1.02	30.038	33.04	245.45	0.650	0.000	1.00	2.217	1.44	76.2	0.0	63.2
113.0		1.00	1.02	30.114	33.12	243.88	0.650	0.000	1.00	2.200	1.43	75.8	0.0	62.7
114.0		1.00	1.02	30.190	33.20	242.30	0.650	0.000	1.00	2.183	1.42	75.4	0.0	62.2
115.0		1.00	1.02	30.266	33.29	240.72	0.650	0.000	1.00	2.166	1.41	75.0	0.0	61.8
116.0		1.00	1.03	30.341	33.37	239.12	0.650	0.000	1.00	2.149	1.40	74.6	0.0	61.3
117.0		1.00	1.03	30.415	33.45	237.53	0.650	0.000	1.00	2.132	1.39	74.2	0.0	60.8
118.0		1.00	1.03	30.489	33.53	235.92	0.650	0.000	1.00	2.116	1.38	73.8	0.0	60.3
119.0		1.00	1.03	30.563	33.61	234.31	0.650	0.000	1.00	2.099	1.36	73.4	0.0	59.8
120.0	Appertunance(s)	1.00	1.04	30.636	33.69	232.69	0.650	0.000	1.00	2.082	1.35	73.0	0.0	59.3
121.0		1.00	1.04	30.709	33.77	231.06	0.650	0.000	1.00	2.065	1.34	72.5	0.0	58.8
122.0		1.00	1.04	30.781	33.85	229.43	0.650	0.000	1.00	2.048	1.33	72.1	0.0	58.4
123.0		1.00	1.04	30.853	33.93	227.79	0.650	0.000	1.00	2.031	1.32	71.7	0.0	57.9
124.0		1.00	1.05	30.924	34.01	226.14	0.650	0.000	1.00	2.014	1.31	71.2	0.0	57.4
125.0		1.00	1.05	30.995	34.09	224.49	0.650	0.000	1.00	1.997	1.30	70.8	0.0	56.9
126.0		1.00	1.05	31.066	34.17	222.84	0.650	0.000	1.00	1.980	1.29	70.4	0.0	56.4
127.0		1.00	1.05	31.136	34.25	221.17	0.650	0.000	1.00	1.963	1.28	69.9	0.0	55.9
128.0		1.00	1.06	31.206	34.32	219.50	0.650	0.000	1.00	1.946	1.27	69.5	0.0	55.4
129.0		1.00	1.06	31.276	34.40	217.83	0.650	0.000	1.00	1.929	1.25	69.0	0.0	54.9
130.0	Appertunance(s)	1.00	1.06	31.345	34.47	216.15	0.650	0.000	1.00	1.912	1.24	68.6	0.0	54.5
131.0		1.00	1.06	31.413	34.55	214.46	0.650	0.000	1.00	1.895	1.23	68.1	0.0	54.0
132.0		1.00	1.07	31.482	34.63	212.77	0.650	0.000	1.00	1.879	1.22	67.7	0.0	53.5
133.0		1.00	1.07	31.550	34.70	211.07	0.650	0.000	1.00	1.862	1.21	67.2	0.0	53.0
134.0		1.00	1.07	31.617	34.77	209.36	0.650	0.000	1.00	1.845	1.20	66.7	0.0	52.5
135.0		1.00	1.07	31.684	34.85	207.65	0.650	0.000	1.00	1.828	1.19	66.3	0.0	52.0
136.0		1.00	1.07	31.751	34.92	205.94	0.650	0.000	1.00	1.811	1.18	65.8	0.0	51.5
137.0		1.00	1.08	31.818	35.00	204.22	0.650	0.000	1.00	1.794	1.17	65.3	0.0	51.1
138.0	Appertunance(s)	1.00	1.08	31.884	35.07	202.49	0.650	0.000	1.00	1.777	1.16	64.8	0.0	50.6
139.0		1.00	1.08	31.950	35.14	200.76	0.650	0.000	1.00	1.760	1.14	64.3	0.0	50.1
140.0		1.00	1.08	32.015	35.21	199.03	0.650	0.000	1.00	1.743	1.13	63.8	0.0	49.6
<b>Totals:</b>								<b>140.00</b>			<b>11,516.7</b>	<b>0.0</b>	<b>27,542.9</b>	

Pole : 310968  
 Location : WSPT-Westport Rebuild CT  
 Height : 140.0 (ft)  
 Base Dia : 47.13 (in)  
 Top Dia : 20.50 (in)  
 Shape : 18 Sides  
 Taper : 0.200036 (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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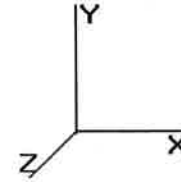
**Load Case:** 1.2D + 1.6W      110.00 mph with No Ice      30 Iterations  
**Gust Response Factor :** 1.10      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 1.20  
**Wind Load Factor :** 1.60

**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Ericsson AIR 21, 1.3	3	27.946	30.741	0.86	0.80	12.49	0.000	0.000	614.19	0.00	0.00	298.80
87.00	Ericsson AIR 21, 1.3	3	27.946	30.741	0.85	0.80	12.42	0.000	0.000	611.07	0.00	0.00	293.40
87.00	Flat Low Profile Pla	1	27.946	30.741	1.00	1.00	26.10	0.000	0.000	1,283.75	0.00	0.00	1,800.00
87.00	RFS ATMAP1412D-	3	27.946	30.741	0.50	0.80	1.40	0.000	0.000	69.06	0.00	0.00	46.80
100.0	Ericsson RRUS 11 (Ba	6	29.081	31.989	0.67	0.80	8.10	0.000	0.000	414.80	0.00	0.00	396.00
100.0	Powerwave 7770.00	6	29.081	31.989	0.77	0.80	20.36	0.000	0.000	1,042.33	0.00	0.00	252.00
100.0	Powerwave LGP21401	6	29.081	31.989	0.50	0.80	2.64	0.000	0.000	135.12	0.00	0.00	101.52
100.0	Powerwave LGP21901	6	29.081	31.989	0.50	0.80	0.55	0.000	0.000	28.25	0.00	0.00	39.60
100.0	Powerwave P65-16-	3	29.081	31.989	0.79	0.80	15.41	0.000	0.000	788.95	0.00	0.00	190.80
100.0	Raycap DC6-48-60-18-	1	29.081	31.989	1.00	0.80	1.02	0.000	0.000	52.41	0.00	0.00	38.16
100.0	Round Low Profile PI	1	29.081	31.989	1.00	1.00	21.70	0.000	0.000	1,110.65	0.00	0.00	1,800.00
110.0	Alcatel-Lucent RRH2x	3	29.884	32.872	0.67	0.80	3.47	0.000	0.000	182.68	0.00	0.00	158.40
110.0	Antel BXA-171063-8BF	3	29.884	32.872	0.87	0.80	6.14	0.000	0.000	322.87	0.00	0.00	37.80
110.0	Antel BXA-171063/12C	3	29.884	32.872	0.88	0.80	10.12	0.000	0.000	532.08	0.00	0.00	54.00
110.0	Antel BXA-70063/6CF	1	29.884	32.872	1.00	0.80	6.06	0.000	0.000	318.94	0.00	0.00	20.40
110.0	Antel BXA-70080/6CF	3	29.884	32.872	0.88	0.80	12.33	0.000	0.000	648.71	0.00	0.00	65.09
110.0	Diamond X50A	2	29.884	32.872	1.00	0.80	1.79	0.000	0.000	94.25	0.00	0.00	5.52
110.0	Flat Low Profile Pla	1	29.884	32.872	1.00	1.00	26.10	0.000	0.000	1,372.74	0.00	0.00	1,800.00
110.0	Powerwave P65-16-	2	29.884	32.872	0.81	0.80	10.54	0.000	0.000	554.17	0.00	0.00	79.20
110.0	RFS DB-T1-6Z-8AB-0Z	1	29.884	32.872	0.67	0.80	2.57	0.000	0.000	135.32	0.00	0.00	52.80
110.0	RFS FD9R6004/2C-3L	6	29.884	32.872	0.50	0.80	0.89	0.000	0.000	46.70	0.00	0.00	18.72
120.0	48" x 8" Panels	12	30.636	33.699	0.90	0.80	31.19	0.000	0.000	1,681.76	0.00	0.00	201.60
120.0	Flat Low Profile Pla	1	30.636	33.699	1.00	1.00	26.10	0.000	0.000	1,407.29	0.00	0.00	1,800.00
130.0	Alcatel-Lucent 4x40W	3	31.206	34.327	0.67	0.80	5.29	0.000	-2.000	290.56	0.00	-581.12	327.60
130.0	Alcatel-Lucent 800 M	3	31.206	34.327	0.67	0.80	3.31	0.000	-2.000	181.93	0.00	-363.86	230.40
130.0	Decibel DB980F650E-	6	31.345	34.479	0.81	0.80	14.58	0.000	0.000	804.33	0.00	0.00	68.40
130.0	Flat Low Profile Pla	1	31.345	34.479	1.00	1.00	26.10	0.000	0.000	1,439.85	0.00	0.00	1,800.00
130.0	RFS APXVSPP18-C-	3	31.345	34.479	0.83	0.80	15.98	0.000	0.000	881.33	0.00	0.00	205.20
138.0	6' Dipole	1	32.145	35.360	1.00	0.75	1.66	0.000	4.000	94.20	0.00	376.80	24.00
138.0	6' FM Antenna	1	32.210	35.431	1.00	1.00	13.45	0.000	5.000	762.47	0.00	3,812.33	36.00
138.0	6' Omni	2	32.145	35.360	1.00	0.75	2.64	0.000	4.000	149.36	0.00	597.44	60.00
138.0	8' Omni	3	32.274	35.501	1.00	0.75	5.40	0.000	6.000	306.73	0.00	1,840.40	144.00
138.0	8' Omni	2	32.145	35.360	1.00	0.75	3.60	0.000	4.000	203.67	0.00	814.69	96.00
138.0	8' Omni (inverted)	1	31.617	34.779	1.00	0.75	1.80	0.000	-4.000	100.16	0.00	-400.65	48.00
138.0	Andrew VHLP2.5-10W	1	32.081	35.289	1.00	1.00	8.43	0.000	3.000	475.97	0.00	1,427.92	57.12
138.0	Decibel DB589	1	32.325	35.558	1.00	1.00	1.38	0.000	6.800	78.51	0.00	533.88	13.80
138.0	Flat Platform w/ Han	1	31.884	35.072	1.00	1.00	42.40	0.000	0.000	2,379.31	0.00	0.00	2,400.00
										<b>21,596.46</b>			<b>15,061.13</b>

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

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



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<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

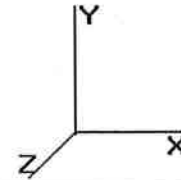
**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	93.78	301.52	0.00	0.00
2.00	93.38	300.22	0.00	0.00
3.00	92.98	298.92	0.00	0.00
4.00	92.58	297.63	0.00	0.00
5.00	92.19	296.33	0.00	0.00
6.00	91.79	360.32	0.00	0.00
7.00	91.39	359.02	0.00	0.00
8.00	90.99	357.73	0.00	0.00
9.00	90.59	356.43	0.00	0.00
10.00	90.19	355.13	0.00	0.00
11.00	89.79	353.84	0.00	0.00
12.00	89.39	352.54	0.00	0.00
13.00	88.99	351.24	0.00	0.00
14.00	88.60	349.95	0.00	0.00
15.00	88.20	348.65	0.00	0.00
16.00	87.80	347.36	0.00	0.00
17.00	87.40	346.06	0.00	0.00
18.00	87.00	344.76	0.00	0.00
19.00	86.60	343.47	0.00	0.00
20.00	86.20	342.17	0.00	0.00
21.00	85.80	340.87	0.00	0.00
22.00	85.40	339.58	0.00	0.00
23.00	85.01	338.28	0.00	0.00
24.00	84.61	336.99	0.00	0.00
25.00	84.21	335.69	0.00	0.00
26.00	83.81	334.39	0.00	0.00
27.00	83.41	333.10	0.00	0.00
28.00	83.01	331.80	0.00	0.00
29.00	82.61	330.50	0.00	0.00
30.00	82.28	329.21	0.00	0.00
31.00	82.65	327.91	0.00	0.00
32.00	83.00	326.62	0.00	0.00
33.00	83.32	325.32	0.00	0.00
34.00	83.62	324.02	0.00	0.00
35.00	83.90	322.73	0.00	0.00
36.00	84.16	321.43	0.00	0.00
37.00	84.40	320.13	0.00	0.00
38.00	84.62	318.84	0.00	0.00
39.00	84.82	317.54	0.00	0.00
40.00	85.00	316.25	0.00	0.00
41.00	85.16	314.95	0.00	0.00
42.00	85.31	313.65	0.00	0.00
43.00	85.44	312.36	0.00	0.00
44.00	85.56	311.06	0.00	0.00
45.00	85.67	309.76	0.00	0.00
46.00	85.75	308.47	0.00	0.00
46.25	21.40	76.91	0.00	0.00
47.00	66.03	416.41	0.00	0.00
48.00	88.17	552.95	0.00	0.00



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

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



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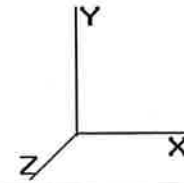
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<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

49.00	88.23	550.36	0.00	0.00
50.00	88.28	547.76	0.00	0.00
51.00	88.32	545.17	0.00	0.00
52.00	88.34	307.17	0.00	0.00
53.00	88.36	305.88	0.00	0.00
54.00	88.36	304.58	0.00	0.00
55.00	88.35	303.28	0.00	0.00
56.00	88.33	301.99	0.00	0.00
57.00	88.29	300.69	0.00	0.00
58.00	88.25	299.39	0.00	0.00
59.00	88.20	298.10	0.00	0.00
60.00	88.14	296.80	0.00	0.00
61.00	88.07	295.51	0.00	0.00
62.00	87.98	294.21	0.00	0.00
63.00	87.89	292.91	0.00	0.00
64.00	87.79	291.62	0.00	0.00
65.00	87.69	290.32	0.00	0.00
66.00	87.57	289.02	0.00	0.00
67.00	87.44	287.73	0.00	0.00
68.00	87.31	286.43	0.00	0.00
69.00	87.17	285.14	0.00	0.00
70.00	87.02	283.84	0.00	0.00
71.00	86.86	282.54	0.00	0.00
72.00	86.70	281.25	0.00	0.00
73.00	86.53	279.95	0.00	0.00
74.00	86.35	278.65	0.00	0.00
75.00	86.16	277.36	0.00	0.00
76.00	85.96	276.06	0.00	0.00
77.00	85.76	274.77	0.00	0.00
78.00	85.56	273.47	0.00	0.00
79.00	85.34	272.17	0.00	0.00
80.00	85.12	270.88	0.00	0.00
81.00	84.89	269.58	0.00	0.00
82.00	84.66	268.28	0.00	0.00
83.00	84.42	266.99	0.00	0.00
84.00	84.17	265.69	0.00	0.00
85.00	83.92	264.40	0.00	0.00
86.00	83.66	263.10	0.00	0.00
87.00	2,661.46	2,700.80	0.00	0.00
88.00	83.13	247.50	0.00	0.00
89.00	82.85	246.20	0.00	0.00
90.00	82.57	244.91	0.00	0.00
91.00	82.28	243.61	0.00	0.00
92.00	81.99	242.32	0.00	0.00
93.00	81.69	241.02	0.00	0.00
93.50	40.70	120.02	0.00	0.00
94.00	41.14	155.62	0.00	0.00
95.00	82.12	309.90	0.00	0.00
96.00	81.81	308.12	0.00	0.00
97.00	81.49	306.34	0.00	0.00
97.25	20.30	76.31	0.00	0.00
98.00	60.83	91.68	0.00	0.00
99.00	80.85	121.81	0.00	0.00
100.0	3,653.03	2,939.40	0.00	0.00
101.0	80.18	107.72	0.00	0.00
102.0	79.84	107.24	0.00	0.00
103.0	79.50	106.75	0.00	0.00

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

Code: 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

30 Iterations

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

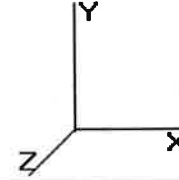
Wind Importance Factor : 1.00

104.0	79.15	106.27	0.00	0.00
105.0	78.79	105.78	0.00	0.00
106.0	78.43	105.29	0.00	0.00
107.0	78.07	104.81	0.00	0.00
108.0	77.70	104.32	0.00	0.00
109.0	77.33	103.84	0.00	0.00
110.0	4,285.41	2,395.28	0.00	0.00
111.0	76.57	89.14	0.00	0.00
112.0	76.19	88.65	0.00	0.00
113.0	75.80	88.16	0.00	0.00
114.0	75.40	87.68	0.00	0.00
115.0	75.01	87.19	0.00	0.00
116.0	74.60	86.71	0.00	0.00
117.0	74.20	86.22	0.00	0.00
118.0	73.79	85.73	0.00	0.00
119.0	73.38	85.25	0.00	0.00
120.0	3,162.01	2,086.36	0.00	0.00
121.0	72.54	75.21	0.00	0.00
122.0	72.11	74.72	0.00	0.00
123.0	71.68	74.23	0.00	0.00
124.0	71.25	73.75	0.00	0.00
125.0	70.81	73.26	0.00	0.00
126.0	70.37	72.78	0.00	0.00
127.0	69.93	72.29	0.00	0.00
128.0	69.48	71.80	0.00	0.00
129.0	69.03	71.32	0.00	0.00
130.0	3,666.57	2,702.43	0.00	-944.98
131.0	68.12	60.84	0.00	0.00
132.0	67.66	60.35	0.00	0.00
133.0	67.19	59.87	0.00	0.00
134.0	66.72	59.38	0.00	0.00
135.0	66.25	58.90	0.00	0.00
136.0	65.78	58.41	0.00	0.00
137.0	65.30	57.92	0.00	0.00
138.0	4,615.20	2,936.36	0.00	9,002.80
139.0	64.33	50.09	0.00	0.00
140.0	63.84	49.60	0.00	0.00
<b>Totals:</b>	<b>33,113.19</b>	<b>49,501.51</b>	<b>0.00</b>	<b>8,057.83</b>

Pole : 310968  
 Location : WSPT-Westport Rebuild CT, CT  
 Height : 140.0 (ft)  
 Base Dia : 47.13 (in)  
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 Struct Class : II  
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<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

**Calculated Forces**

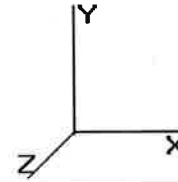
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-49.49	-33.13	0.00	-3,440.13	0.00	3,440.13	5,497.77	2,748.88	10,504.0	5,259.85	0.00	0.00	0.663
1.00	-49.16	-33.08	0.00	-3,407.00	0.00	3,407.00	5,474.18	2,737.09	10,413.6	5,214.58	0.01	-0.05	0.662
2.00	-48.83	-33.03	0.00	-3,373.92	0.00	3,373.92	5,450.60	2,725.30	10,323.6	5,169.50	0.02	-0.10	0.662
3.00	-48.50	-32.98	0.00	-3,340.89	0.00	3,340.89	5,427.01	2,713.51	10,234.0	5,124.62	0.05	-0.14	0.661
4.00	-48.18	-32.92	0.00	-3,307.92	0.00	3,307.92	5,403.43	2,701.71	10,144.8	5,079.94	0.08	-0.19	0.660
5.00	-47.85	-32.87	0.00	-3,275.00	0.00	3,275.00	5,379.84	2,689.92	10,055.9	5,035.45	0.13	-0.24	0.659
6.00	-47.47	-32.82	0.00	-3,242.13	0.00	3,242.13	5,356.26	2,678.13	9,967.51	4,991.16	0.18	-0.29	0.659
7.00	-47.08	-32.76	0.00	-3,209.31	0.00	3,209.31	5,332.67	2,666.34	9,879.45	4,947.07	0.25	-0.34	0.658
8.00	-46.69	-32.71	0.00	-3,176.55	0.00	3,176.55	5,309.09	2,654.55	9,791.78	4,903.17	0.33	-0.39	0.657
9.00	-46.31	-32.66	0.00	-3,143.84	0.00	3,143.84	5,285.51	2,642.75	9,704.50	4,859.47	0.41	-0.44	0.656
10.00	-45.93	-32.60	0.00	-3,111.18	0.00	3,111.18	5,261.92	2,630.96	9,617.62	4,815.96	0.51	-0.49	0.655
11.00	-45.55	-32.55	0.00	-3,078.58	0.00	3,078.58	5,238.34	2,619.17	9,531.12	4,772.64	0.62	-0.54	0.654
12.00	-45.17	-32.50	0.00	-3,046.03	0.00	3,046.03	5,214.75	2,607.38	9,445.01	4,729.53	0.74	-0.58	0.653
13.00	-44.79	-32.44	0.00	-3,013.53	0.00	3,013.53	5,191.17	2,595.58	9,359.30	4,686.60	0.86	-0.63	0.652
14.00	-44.41	-32.39	0.00	-2,981.09	0.00	2,981.09	5,167.58	2,583.79	9,273.97	4,643.88	1.00	-0.68	0.651
15.00	-44.04	-32.33	0.00	-2,948.70	0.00	2,948.70	5,144.00	2,572.00	9,189.04	4,601.35	1.15	-0.73	0.650
16.00	-43.66	-32.28	0.00	-2,916.37	0.00	2,916.37	5,120.41	2,560.21	9,104.50	4,559.01	1.31	-0.78	0.648
17.00	-43.29	-32.23	0.00	-2,884.09	0.00	2,884.09	5,096.83	2,548.41	9,020.34	4,516.88	1.48	-0.83	0.647
18.00	-42.92	-32.17	0.00	-2,851.86	0.00	2,851.86	5,073.24	2,536.62	8,936.58	4,474.93	1.66	-0.89	0.646
19.00	-42.55	-32.12	0.00	-2,819.69	0.00	2,819.69	5,049.66	2,524.83	8,853.21	4,433.19	1.85	-0.94	0.645
20.00	-42.18	-32.06	0.00	-2,787.58	0.00	2,787.58	5,026.07	2,513.04	8,770.23	4,391.63	2.05	-0.99	0.643
21.00	-41.81	-32.01	0.00	-2,755.52	0.00	2,755.52	5,002.49	2,501.25	8,687.64	4,350.28	2.27	-1.04	0.642
22.00	-41.44	-31.95	0.00	-2,723.51	0.00	2,723.51	4,978.91	2,489.45	8,605.44	4,309.12	2.49	-1.09	0.641
23.00	-41.08	-31.90	0.00	-2,691.56	0.00	2,691.56	4,955.32	2,477.66	8,523.63	4,268.15	2.72	-1.14	0.639
24.00	-40.71	-31.84	0.00	-2,659.66	0.00	2,659.66	4,931.74	2,465.87	8,442.22	4,227.38	2.97	-1.19	0.638
25.00	-40.35	-31.79	0.00	-2,627.82	0.00	2,627.82	4,908.15	2,454.08	8,361.19	4,186.81	3.22	-1.24	0.636
26.00	-39.99	-31.73	0.00	-2,596.03	0.00	2,596.03	4,884.57	2,442.28	8,280.56	4,146.43	3.49	-1.29	0.634
27.00	-39.63	-31.68	0.00	-2,564.30	0.00	2,564.30	4,860.98	2,430.49	8,200.31	4,106.25	3.76	-1.34	0.633
28.00	-39.27	-31.62	0.00	-2,532.62	0.00	2,532.62	4,837.40	2,418.70	8,120.46	4,066.26	4.05	-1.40	0.631
29.00	-38.92	-31.57	0.00	-2,501.00	0.00	2,501.00	4,813.81	2,406.91	8,040.99	4,026.47	4.35	-1.45	0.629
30.00	-38.56	-31.51	0.00	-2,469.43	0.00	2,469.43	4,790.23	2,395.11	7,961.92	3,986.88	4.66	-1.50	0.628
31.00	-38.21	-31.45	0.00	-2,437.92	0.00	2,437.92	4,766.64	2,383.32	7,883.24	3,947.48	4.98	-1.55	0.626
32.00	-37.85	-31.40	0.00	-2,406.47	0.00	2,406.47	4,743.06	2,371.53	7,804.95	3,908.28	5.31	-1.60	0.624
33.00	-37.50	-31.34	0.00	-2,375.07	0.00	2,375.07	4,719.48	2,359.74	7,727.05	3,869.27	5.65	-1.66	0.622
34.00	-37.15	-31.28	0.00	-2,343.74	0.00	2,343.74	4,695.89	2,347.95	7,649.54	3,830.45	6.00	-1.71	0.620
35.00	-36.81	-31.22	0.00	-2,312.46	0.00	2,312.46	4,672.31	2,336.15	7,572.42	3,791.84	6.37	-1.76	0.618
36.00	-36.46	-31.16	0.00	-2,281.24	0.00	2,281.24	4,648.72	2,324.36	7,495.69	3,753.42	6.74	-1.81	0.616
37.00	-36.11	-31.10	0.00	-2,250.08	0.00	2,250.08	4,625.14	2,312.57	7,419.35	3,715.19	7.13	-1.86	0.614
38.00	-35.77	-31.03	0.00	-2,218.99	0.00	2,218.99	4,601.55	2,300.78	7,343.41	3,677.16	7.52	-1.92	0.611
39.00	-35.42	-30.97	0.00	-2,187.95	0.00	2,187.95	4,577.97	2,288.98	7,267.85	3,639.33	7.93	-1.97	0.609
40.00	-35.08	-30.91	0.00	-2,156.98	0.00	2,156.98	4,554.38	2,277.19	7,192.68	3,601.69	8.35	-2.02	0.607
41.00	-34.74	-30.84	0.00	-2,126.08	0.00	2,126.08	4,530.80	2,265.40	7,117.91	3,564.25	8.78	-2.08	0.604
42.00	-34.40	-30.78	0.00	-2,095.24	0.00	2,095.24	4,507.21	2,253.61	7,043.53	3,527.00	9.22	-2.13	0.602
43.00	-34.07	-30.71	0.00	-2,064.46	0.00	2,064.46	4,483.63	2,241.81	6,969.53	3,489.95	9.67	-2.18	0.599
44.00	-33.73	-30.65	0.00	-2,033.75	0.00	2,033.75	4,460.04	2,230.02	6,895.93	3,453.09	10.13	-2.23	0.597
45.00	-33.40	-30.58	0.00	-2,003.10	0.00	2,003.10	4,436.46	2,218.23	6,822.72	3,416.43	10.61	-2.29	0.594
46.00	-33.07	-30.50	0.00	-1,972.52	0.00	1,972.52	4,412.88	2,206.44	6,749.90	3,379.97	11.09	-2.34	0.591
46.25	-32.98	-30.49	0.00	-1,964.90	0.00	1,964.90	4,406.98	2,203.49	6,731.76	3,370.88	11.21	-2.35	0.591
47.00	-32.55	-30.43	0.00	-1,942.03	0.00	1,942.03	4,389.29	2,194.65	6,677.47	3,343.70	11.59	-2.39	0.588
48.00	-31.97	-30.35	0.00	-1,911.60	0.00	1,911.60	4,365.71	2,182.85	6,605.43	3,307.63	12.09	-2.45	0.585
49.00	-31.40	-30.27	0.00	-1,881.25	0.00	1,881.25	4,342.12	2,171.06	6,533.78	3,271.75	12.61	-2.50	0.582



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

Code: 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      30 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

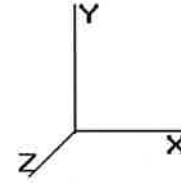
Wind Load Factor : 1.60

105.00	-10.80	-19.02	0.00	-383.19	0.00	383.19	1,068.74	534.37	1,200.66	601.22	57.37	-5.21	0.649
106.00	-10.68	-18.94	0.00	-364.18	0.00	364.18	1,064.12	532.06	1,186.66	594.21	58.47	-5.28	0.624
107.00	-10.56	-18.87	0.00	-345.24	0.00	345.24	1,059.46	529.73	1,172.69	587.21	59.58	-5.35	0.599
108.00	-10.45	-18.79	0.00	-326.37	0.00	326.37	1,054.75	527.38	1,158.74	580.23	60.71	-5.42	0.574
109.00	-10.33	-18.71	0.00	-307.58	0.00	307.58	1,050.00	525.00	1,144.81	573.26	61.85	-5.48	0.548
110.00	-8.34	-14.23	0.00	-288.87	0.00	288.87	1,045.19	522.60	1,130.92	566.30	63.00	-5.54	0.519
111.00	-8.25	-14.15	0.00	-274.64	0.00	274.64	1,040.34	520.17	1,117.05	559.36	64.17	-5.60	0.500
112.00	-8.15	-14.07	0.00	-260.49	0.00	260.49	1,035.44	517.72	1,103.21	552.43	65.35	-5.66	0.480
113.00	-8.06	-14.00	0.00	-246.41	0.00	246.41	1,030.50	515.25	1,089.41	545.51	66.53	-5.71	0.460
114.00	-7.97	-13.92	0.00	-232.42	0.00	232.42	1,025.50	512.75	1,075.63	538.62	67.73	-5.76	0.440
115.00	-7.88	-13.85	0.00	-218.50	0.00	218.50	1,020.46	510.23	1,061.89	531.74	68.95	-5.82	0.419
116.00	-7.78	-13.77	0.00	-204.65	0.00	204.65	1,015.38	507.69	1,048.19	524.87	70.17	-5.86	0.398
117.00	-7.70	-13.69	0.00	-190.88	0.00	190.88	1,010.24	505.12	1,034.52	518.03	71.40	-5.91	0.377
118.00	-7.61	-13.62	0.00	-177.19	0.00	177.19	1,005.06	502.53	1,020.89	511.20	72.64	-5.96	0.355
119.00	-7.52	-13.54	0.00	-163.57	0.00	163.57	999.83	499.91	1,007.29	504.39	73.89	-6.00	0.333
120.00	-5.77	-10.18	0.00	-150.03	0.00	150.03	994.55	497.27	993.73	497.61	75.15	-6.04	0.308
121.00	-5.70	-10.10	0.00	-139.85	0.00	139.85	989.22	494.61	980.22	490.84	76.42	-6.08	0.291
122.00	-5.62	-10.03	0.00	-129.75	0.00	129.75	983.85	491.93	966.75	484.09	77.69	-6.11	0.274
123.00	-5.55	-9.95	0.00	-119.72	0.00	119.72	978.43	489.22	953.32	477.37	78.98	-6.15	0.257
124.00	-5.48	-9.88	0.00	-109.77	0.00	109.77	972.96	486.48	939.93	470.66	80.26	-6.18	0.239
125.00	-5.41	-9.80	0.00	-99.90	0.00	99.90	967.45	483.72	926.59	463.98	81.56	-6.21	0.221
126.00	-5.34	-9.73	0.00	-90.10	0.00	90.10	961.89	480.94	913.29	457.32	82.86	-6.24	0.203
127.00	-5.27	-9.65	0.00	-80.37	0.00	80.37	956.28	478.14	900.04	450.69	84.17	-6.27	0.184
128.00	-5.21	-9.58	0.00	-70.72	0.00	70.72	950.62	475.31	886.85	444.08	85.48	-6.29	0.165
129.00	-5.14	-9.50	0.00	-61.15	0.00	61.15	944.92	472.46	873.70	437.50	86.80	-6.31	0.146
130.00	-2.86	-5.56	0.00	-51.65	0.00	51.65	939.16	469.58	860.60	430.94	88.12	-6.33	0.123
131.00	-2.80	-5.49	0.00	-46.09	0.00	46.09	933.36	466.68	847.55	424.41	89.45	-6.35	0.112
132.00	-2.75	-5.41	0.00	-40.60	0.00	40.60	927.52	463.76	834.56	417.90	90.78	-6.36	0.100
133.00	-2.69	-5.34	0.00	-35.19	0.00	35.19	921.62	460.81	821.62	411.42	92.11	-6.38	0.089
134.00	-2.64	-5.27	0.00	-29.85	0.00	29.85	915.68	457.84	808.74	404.97	93.44	-6.39	0.077
135.00	-2.59	-5.20	0.00	-24.58	0.00	24.58	909.69	454.85	795.92	398.55	94.78	-6.40	0.065
136.00	-2.54	-5.12	0.00	-19.39	0.00	19.39	903.66	451.83	783.15	392.16	96.12	-6.41	0.052
137.00	-2.49	-5.05	0.00	-14.26	0.00	14.26	897.57	448.79	770.44	385.79	97.46	-6.41	0.040
138.00	-0.08	-0.14	0.00	-0.21	0.00	0.21	891.44	445.72	757.80	379.46	98.80	-6.42	0.001
139.00	-0.04	-0.07	0.00	-0.07	0.00	0.07	885.26	442.63	745.21	373.16	100.14	-6.42	0.000
140.00	0.00	-0.06	0.00	0.00	0.00	0.00	879.04	439.52	732.69	366.89	101.48	-6.42	0.000

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

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

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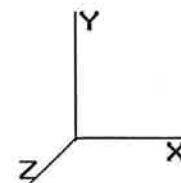
<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	20.599	22.65	367.03	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	20.599	22.65	365.47	0.650	0.000	1.00	3.980	2.59	93.8	0.0	226.1
2.00		1.00	0.70	20.599	22.65	363.91	0.650	0.000	1.00	3.963	2.58	93.4	0.0	225.2
3.00		1.00	0.70	20.599	22.65	362.36	0.650	0.000	1.00	3.946	2.56	93.0	0.0	224.2
4.00		1.00	0.70	20.599	22.65	360.80	0.650	0.000	1.00	3.929	2.55	92.6	0.0	223.2
5.00		1.00	0.70	20.599	22.65	359.24	0.650	0.000	1.00	3.912	2.54	92.2	0.0	222.2
6.00		1.00	0.70	20.599	22.65	357.68	0.650	0.000	1.00	3.895	2.53	91.8	0.0	221.3
7.00		1.00	0.70	20.599	22.65	356.12	0.650	0.000	1.00	3.878	2.52	91.4	0.0	220.3
8.00		1.00	0.70	20.599	22.65	354.57	0.650	0.000	1.00	3.861	2.51	91.0	0.0	219.3
9.00		1.00	0.70	20.599	22.65	353.01	0.650	0.000	1.00	3.844	2.50	90.6	0.0	218.4
10.00		1.00	0.70	20.599	22.65	351.45	0.650	0.000	1.00	3.827	2.49	90.2	0.0	217.4
11.00		1.00	0.70	20.599	22.65	349.89	0.650	0.000	1.00	3.810	2.48	89.8	0.0	216.4
12.00		1.00	0.70	20.599	22.65	348.34	0.650	0.000	1.00	3.793	2.47	89.4	0.0	215.4
13.00		1.00	0.70	20.599	22.65	346.78	0.650	0.000	1.00	3.777	2.45	89.0	0.0	214.5
14.00		1.00	0.70	20.599	22.65	345.22	0.650	0.000	1.00	3.760	2.44	88.6	0.0	213.5
15.00		1.00	0.70	20.599	22.65	343.66	0.650	0.000	1.00	3.743	2.43	88.2	0.0	212.5
16.00		1.00	0.70	20.599	22.65	342.10	0.650	0.000	1.00	3.726	2.42	87.8	0.0	211.6
17.00		1.00	0.70	20.599	22.65	340.55	0.650	0.000	1.00	3.709	2.41	87.4	0.0	210.6
18.00		1.00	0.70	20.599	22.65	338.99	0.650	0.000	1.00	3.692	2.40	87.0	0.0	209.6
19.00		1.00	0.70	20.599	22.65	337.43	0.650	0.000	1.00	3.675	2.39	86.6	0.0	208.6
20.00		1.00	0.70	20.599	22.65	335.87	0.650	0.000	1.00	3.658	2.38	86.2	0.0	207.7
21.00		1.00	0.70	20.599	22.65	334.32	0.650	0.000	1.00	3.641	2.37	85.8	0.0	206.7
22.00		1.00	0.70	20.599	22.65	332.76	0.650	0.000	1.00	3.624	2.36	85.4	0.0	205.7
23.00		1.00	0.70	20.599	22.65	331.20	0.650	0.000	1.00	3.607	2.34	85.0	0.0	204.7
24.00		1.00	0.70	20.599	22.65	329.64	0.650	0.000	1.00	3.590	2.33	84.6	0.0	203.8
25.00		1.00	0.70	20.599	22.65	328.08	0.650	0.000	1.00	3.573	2.32	84.2	0.0	202.8
26.00		1.00	0.70	20.599	22.65	326.53	0.650	0.000	1.00	3.556	2.31	83.8	0.0	201.8
27.00		1.00	0.70	20.599	22.65	324.97	0.650	0.000	1.00	3.540	2.30	83.4	0.0	200.9
28.00		1.00	0.70	20.599	22.65	323.41	0.650	0.000	1.00	3.523	2.29	83.0	0.0	199.9
29.00		1.00	0.70	20.599	22.65	321.85	0.650	0.000	1.00	3.506	2.28	82.6	0.0	198.9
30.00		1.00	0.70	20.616	22.67	320.43	0.650	0.000	1.00	3.489	2.27	82.3	0.0	197.9
31.00		1.00	0.70	20.810	22.89	320.37	0.650	0.000	1.00	3.472	2.26	82.7	0.0	197.0
32.00		1.00	0.71	21.000	23.10	320.25	0.650	0.000	1.00	3.455	2.25	83.0	0.0	196.0
33.00		1.00	0.72	21.186	23.30	320.08	0.650	0.000	1.00	3.438	2.23	83.3	0.0	195.0
34.00		1.00	0.72	21.367	23.50	319.86	0.650	0.000	1.00	3.421	2.22	83.6	0.0	194.1
35.00		1.00	0.73	21.545	23.69	319.60	0.650	0.000	1.00	3.404	2.21	83.9	0.0	193.1
36.00		1.00	0.73	21.719	23.89	319.29	0.650	0.000	1.00	3.387	2.20	84.2	0.0	192.1
37.00		1.00	0.74	21.890	24.07	318.93	0.650	0.000	1.00	3.370	2.19	84.4	0.0	191.1
38.00		1.00	0.75	22.057	24.26	318.54	0.650	0.000	1.00	3.353	2.18	84.6	0.0	190.2
39.00		1.00	0.75	22.221	24.44	318.11	0.650	0.000	1.00	3.336	2.17	84.8	0.0	189.2
40.00		1.00	0.76	22.383	24.62	317.64	0.650	0.000	1.00	3.319	2.16	85.0	0.0	188.2
41.00		1.00	0.76	22.541	24.79	317.13	0.650	0.000	1.00	3.303	2.15	85.2	0.0	187.2
42.00		1.00	0.77	22.697	24.96	316.59	0.650	0.000	1.00	3.286	2.14	85.3	0.0	186.3
43.00		1.00	0.77	22.850	25.13	316.01	0.650	0.000	1.00	3.269	2.12	85.4	0.0	185.3
44.00		1.00	0.78	23.000	25.30	315.41	0.650	0.000	1.00	3.252	2.11	85.6	0.0	184.3
45.00		1.00	0.78	23.149	25.46	314.77	0.650	0.000	1.00	3.235	2.10	85.7	0.0	183.4
46.00		1.00	0.79	23.294	25.62	314.10	0.650	0.000	1.00	3.218	2.09	85.8	0.0	182.4
46.25	Bot - Section 2	1.00	0.79	23.331	25.66	313.93	0.650	0.000	0.25	0.802	0.52	21.4	0.0	45.4
47.00		1.00	0.79	23.438	25.78	313.41	0.650	0.000	0.75	2.463	1.60	66.0	0.0	275.6
48.00		1.00	0.80	23.579	25.93	312.68	0.650	0.000	1.00	3.269	2.12	88.2	0.0	365.7
49.00		1.00	0.80	23.719	26.09	311.93	0.650	0.000	1.00	3.252	2.11	88.2	0.0	363.8

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

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



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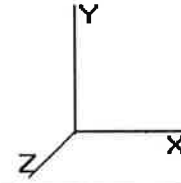
<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>30 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

50.00		1.00	0.81	23.856	26.24	311.16	0.650	0.000	1.00	3.235	2.10	88.3	0.0	361.9
51.00	Top - Section 1	1.00	0.81	23.991	26.39	310.36	0.650	0.000	1.00	3.218	2.09	88.3	0.0	359.9
52.00		1.00	0.82	24.125	26.53	317.96	0.650	0.000	1.00	3.201	2.08	88.3	0.0	181.4
53.00		1.00	0.82	24.257	26.68	317.14	0.650	0.000	1.00	3.184	2.07	88.4	0.0	180.4
54.00		1.00	0.82	24.386	26.82	316.29	0.650	0.000	1.00	3.167	2.06	88.4	0.0	179.5
55.00		1.00	0.83	24.515	26.96	315.42	0.650	0.000	1.00	3.150	2.05	88.3	0.0	178.5
56.00		1.00	0.83	24.641	27.10	314.53	0.650	0.000	1.00	3.133	2.04	88.3	0.0	177.5
57.00		1.00	0.84	24.766	27.24	313.62	0.650	0.000	1.00	3.116	2.03	88.3	0.0	176.6
58.00		1.00	0.84	24.889	27.37	312.69	0.650	0.000	1.00	3.099	2.01	88.3	0.0	175.6
59.00		1.00	0.85	25.011	27.51	311.74	0.650	0.000	1.00	3.082	2.00	88.2	0.0	174.6
60.00		1.00	0.85	25.132	27.64	310.77	0.650	0.000	1.00	3.066	1.99	88.1	0.0	173.6
61.00		1.00	0.85	25.251	27.77	309.78	0.650	0.000	1.00	3.049	1.98	88.1	0.0	172.7
62.00		1.00	0.86	25.368	27.90	308.77	0.650	0.000	1.00	3.032	1.97	88.0	0.0	171.7
63.00		1.00	0.86	25.485	28.03	307.74	0.650	0.000	1.00	3.015	1.96	87.9	0.0	170.7
64.00		1.00	0.87	25.599	28.15	306.70	0.650	0.000	1.00	2.998	1.95	87.8	0.0	169.7
65.00		1.00	0.87	25.713	28.28	305.64	0.650	0.000	1.00	2.981	1.94	87.7	0.0	168.8
66.00		1.00	0.87	25.825	28.40	304.56	0.650	0.000	1.00	2.964	1.93	87.6	0.0	167.8
67.00		1.00	0.88	25.937	28.53	303.47	0.650	0.000	1.00	2.947	1.92	87.4	0.0	166.8
68.00		1.00	0.88	26.047	28.65	302.36	0.650	0.000	1.00	2.930	1.90	87.3	0.0	165.9
69.00		1.00	0.88	26.156	28.77	301.23	0.650	0.000	1.00	2.913	1.89	87.2	0.0	164.9
70.00		1.00	0.89	26.263	28.89	300.09	0.650	0.000	1.00	2.896	1.88	87.0	0.0	163.9
71.00		1.00	0.89	26.370	29.00	298.94	0.650	0.000	1.00	2.879	1.87	86.9	0.0	162.9
72.00		1.00	0.90	26.476	29.12	297.77	0.650	0.000	1.00	2.862	1.86	86.7	0.0	162.0
73.00		1.00	0.90	26.580	29.23	296.59	0.650	0.000	1.00	2.846	1.85	86.5	0.0	161.0
74.00		1.00	0.90	26.684	29.35	295.39	0.650	0.000	1.00	2.829	1.84	86.3	0.0	160.0
75.00		1.00	0.91	26.786	29.46	294.19	0.650	0.000	1.00	2.812	1.83	86.2	0.0	159.1
76.00		1.00	0.91	26.888	29.57	292.96	0.650	0.000	1.00	2.795	1.82	86.0	0.0	158.1
77.00		1.00	0.91	26.988	29.68	291.73	0.650	0.000	1.00	2.778	1.81	85.8	0.0	157.1
78.00		1.00	0.92	27.088	29.79	290.48	0.650	0.000	1.00	2.761	1.79	85.6	0.0	156.1
79.00		1.00	0.92	27.187	29.90	289.22	0.650	0.000	1.00	2.744	1.78	85.3	0.0	155.2
80.00		1.00	0.92	27.285	30.01	287.95	0.650	0.000	1.00	2.727	1.77	85.1	0.0	154.2
81.00		1.00	0.93	27.382	30.12	286.66	0.650	0.000	1.00	2.710	1.76	84.9	0.0	153.2
82.00		1.00	0.93	27.478	30.22	285.36	0.650	0.000	1.00	2.693	1.75	84.7	0.0	152.3
83.00		1.00	0.93	27.573	30.33	284.06	0.650	0.000	1.00	2.676	1.74	84.4	0.0	151.3
84.00		1.00	0.94	27.668	30.43	282.74	0.650	0.000	1.00	2.659	1.73	84.2	0.0	150.3
85.00		1.00	0.94	27.761	30.53	281.41	0.650	0.000	1.00	2.642	1.72	83.9	0.0	149.3
86.00		1.00	0.94	27.854	30.64	280.07	0.650	0.000	1.00	2.625	1.71	83.7	0.0	148.4
87.00	Appertunance(s)	1.00	0.95	27.946	30.74	278.72	0.650	0.000	1.00	2.609	1.70	83.4	0.0	147.4
88.00		1.00	0.95	28.038	30.84	277.35	0.650	0.000	1.00	2.592	1.68	83.1	0.0	146.4
89.00		1.00	0.95	28.129	30.94	275.98	0.650	0.000	1.00	2.575	1.67	82.9	0.0	145.4
90.00		1.00	0.95	28.219	31.04	274.60	0.650	0.000	1.00	2.558	1.66	82.6	0.0	144.5
91.00		1.00	0.96	28.308	31.13	273.21	0.650	0.000	1.00	2.541	1.65	82.3	0.0	143.5
92.00		1.00	0.96	28.396	31.23	271.80	0.650	0.000	1.00	2.524	1.64	82.0	0.0	142.5
93.00		1.00	0.96	28.484	31.33	270.39	0.650	0.000	1.00	2.507	1.63	81.7	0.0	141.6
93.50	Bot - Section 3	1.00	0.96	28.528	31.38	269.68	0.650	0.000	0.50	1.247	0.81	40.7	0.0	70.4
94.00		1.00	0.97	28.571	31.42	268.97	0.650	0.000	0.50	1.259	0.82	41.1	0.0	97.1
95.00		1.00	0.97	28.658	31.52	267.54	0.650	0.000	1.00	2.505	1.63	82.1	0.0	193.2
96.00		1.00	0.97	28.744	31.61	266.10	0.650	0.000	1.00	2.488	1.62	81.8	0.0	191.9
97.00		1.00	0.98	28.829	31.71	264.65	0.650	0.000	1.00	2.471	1.61	81.5	0.0	190.5
97.25	Top - Section 2	1.00	0.98	28.850	31.73	264.29	0.650	0.000	0.25	0.615	0.40	20.3	0.0	47.4
98.00		1.00	0.98	28.913	31.80	266.65	0.650	0.000	0.75	1.839	1.20	60.8	0.0	39.4
99.00		1.00	0.98	28.997	31.89	265.19	0.650	0.000	1.00	2.437	1.58	80.8	0.0	52.1
100.0	Appertunance(s)	1.00	0.98	29.081	31.98	263.72	0.650	0.000	1.00	2.420	1.57	80.5	0.0	51.8
101.0		1.00	0.99	29.164	32.08	262.24	0.650	0.000	1.00	2.403	1.56	80.2	0.0	51.4
102.0		1.00	0.99	29.246	32.17	260.76	0.650	0.000	1.00	2.386	1.55	79.8	0.0	51.1
103.0		1.00	0.99	29.328	32.26	259.26	0.650	0.000	1.00	2.369	1.54	79.5	0.0	50.7
104.0		1.00	0.99	29.409	32.34	257.76	0.650	0.000	1.00	2.353	1.53	79.1	0.0	50.3

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

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

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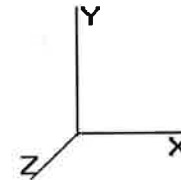
<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

105.0		1.00	1.00	29.489	32.43	256.25	0.650	0.000	1.00	2.336	1.52	78.8	0.0	50.0
106.0		1.00	1.00	29.569	32.52	254.73	0.650	0.000	1.00	2.319	1.51	78.4	0.0	49.6
107.0		1.00	1.00	29.649	32.61	253.20	0.650	0.000	1.00	2.302	1.50	78.1	0.0	49.2
108.0		1.00	1.01	29.727	32.70	251.67	0.650	0.000	1.00	2.285	1.49	77.7	0.0	48.9
109.0		1.00	1.01	29.806	32.78	250.13	0.650	0.000	1.00	2.268	1.47	77.3	0.0	48.5
110.0	Appertunance(s)	1.00	1.01	29.884	32.87	248.58	0.650	0.000	1.00	2.251	1.46	77.0	0.0	48.1
111.0		1.00	1.01	29.961	32.95	247.02	0.650	0.000	1.00	2.234	1.45	76.6	0.0	47.8
112.0		1.00	1.02	30.038	33.04	245.45	0.650	0.000	1.00	2.217	1.44	76.2	0.0	47.4
113.0		1.00	1.02	30.114	33.12	243.88	0.650	0.000	1.00	2.200	1.43	75.8	0.0	47.0
114.0		1.00	1.02	30.190	33.20	242.30	0.650	0.000	1.00	2.183	1.42	75.4	0.0	46.7
115.0		1.00	1.02	30.266	33.29	240.72	0.650	0.000	1.00	2.166	1.41	75.0	0.0	46.3
116.0		1.00	1.03	30.341	33.37	239.12	0.650	0.000	1.00	2.149	1.40	74.6	0.0	46.0
117.0		1.00	1.03	30.415	33.45	237.53	0.650	0.000	1.00	2.132	1.39	74.2	0.0	45.6
118.0		1.00	1.03	30.489	33.53	235.92	0.650	0.000	1.00	2.116	1.38	73.8	0.0	45.2
119.0		1.00	1.03	30.563	33.61	234.31	0.650	0.000	1.00	2.099	1.36	73.4	0.0	44.9
120.0	Appertunance(s)	1.00	1.04	30.636	33.69	232.69	0.650	0.000	1.00	2.082	1.35	73.0	0.0	44.5
121.0		1.00	1.04	30.709	33.77	231.06	0.650	0.000	1.00	2.065	1.34	72.5	0.0	44.1
122.0		1.00	1.04	30.781	33.85	229.43	0.650	0.000	1.00	2.048	1.33	72.1	0.0	43.8
123.0		1.00	1.04	30.853	33.93	227.79	0.650	0.000	1.00	2.031	1.32	71.7	0.0	43.4
124.0		1.00	1.05	30.924	34.01	226.14	0.650	0.000	1.00	2.014	1.31	71.2	0.0	43.0
125.0		1.00	1.05	30.995	34.09	224.49	0.650	0.000	1.00	1.997	1.30	70.8	0.0	42.7
126.0		1.00	1.05	31.066	34.17	222.84	0.650	0.000	1.00	1.980	1.29	70.4	0.0	42.3
127.0		1.00	1.05	31.136	34.25	221.17	0.650	0.000	1.00	1.963	1.28	69.9	0.0	41.9
128.0		1.00	1.06	31.206	34.32	219.50	0.650	0.000	1.00	1.946	1.27	69.5	0.0	41.6
129.0		1.00	1.06	31.276	34.40	217.83	0.650	0.000	1.00	1.929	1.25	69.0	0.0	41.2
130.0	Appertunance(s)	1.00	1.06	31.345	34.47	216.15	0.650	0.000	1.00	1.912	1.24	68.6	0.0	40.8
131.0		1.00	1.06	31.413	34.55	214.46	0.650	0.000	1.00	1.895	1.23	68.1	0.0	40.5
132.0		1.00	1.07	31.482	34.63	212.77	0.650	0.000	1.00	1.879	1.22	67.7	0.0	40.1
133.0		1.00	1.07	31.550	34.70	211.07	0.650	0.000	1.00	1.862	1.21	67.2	0.0	39.8
134.0		1.00	1.07	31.617	34.77	209.36	0.650	0.000	1.00	1.845	1.20	66.7	0.0	39.4
135.0		1.00	1.07	31.684	34.85	207.65	0.650	0.000	1.00	1.828	1.19	66.3	0.0	39.0
136.0		1.00	1.07	31.751	34.92	205.94	0.650	0.000	1.00	1.811	1.18	65.8	0.0	38.7
137.0		1.00	1.08	31.818	35.00	204.22	0.650	0.000	1.00	1.794	1.17	65.3	0.0	38.3
138.0	Appertunance(s)	1.00	1.08	31.884	35.07	202.49	0.650	0.000	1.00	1.777	1.16	64.8	0.0	37.9
139.0		1.00	1.08	31.950	35.14	200.76	0.650	0.000	1.00	1.760	1.14	64.3	0.0	37.6
140.0		1.00	1.08	32.015	35.21	199.03	0.650	0.000	1.00	1.743	1.13	63.8	0.0	37.2
<b>Totals:</b>									140.00			11,516.7	0.0	20,657.1



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

Code : 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)      30 Iterations  
**Gust Response Factor :** 1.10      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 0.90  
**Wind Load Factor :** 1.60

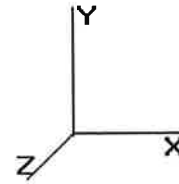
**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Ericsson AIR 21, 1.3	3	27.946	30.741	0.86	0.80	12.49	0.000	0.000	614.19	0.00	0.00	224.10
87.00	Ericsson AIR 21, 1.3	3	27.946	30.741	0.85	0.80	12.42	0.000	0.000	611.07	0.00	0.00	220.05
87.00	Flat Low Profile Pla	1	27.946	30.741	1.00	1.00	26.10	0.000	0.000	1,283.75	0.00	0.00	1,350.00
87.00	RFS ATMAP1412D-	3	27.946	30.741	0.50	0.80	1.40	0.000	0.000	69.06	0.00	0.00	35.10
100.0	Ericsson RRUS 11 (Ba	6	29.081	31.989	0.67	0.80	8.10	0.000	0.000	414.80	0.00	0.00	297.00
100.0	Powerwave 7770.00	6	29.081	31.989	0.77	0.80	20.36	0.000	0.000	1,042.33	0.00	0.00	189.00
100.0	Powerwave LGP21401	6	29.081	31.989	0.50	0.80	2.64	0.000	0.000	135.12	0.00	0.00	76.14
100.0	Powerwave LGP21901	6	29.081	31.989	0.50	0.80	0.55	0.000	0.000	28.25	0.00	0.00	29.70
100.0	Powerwave P65-16-	3	29.081	31.989	0.79	0.80	15.41	0.000	0.000	788.95	0.00	0.00	143.10
100.0	Raycap DC6-48-60-18-	1	29.081	31.989	1.00	0.80	1.02	0.000	0.000	52.41	0.00	0.00	28.62
100.0	Round Low Profile PI	1	29.081	31.989	1.00	1.00	21.70	0.000	0.000	1,110.65	0.00	0.00	1,350.00
110.0	Alcatel-Lucent RRH2x	3	29.884	32.872	0.67	0.80	3.47	0.000	0.000	182.68	0.00	0.00	118.80
110.0	Antel BXA-171063-8BF	3	29.884	32.872	0.87	0.80	6.14	0.000	0.000	322.87	0.00	0.00	28.35
110.0	Antel BXA-171063/12C	3	29.884	32.872	0.88	0.80	10.12	0.000	0.000	532.08	0.00	0.00	40.50
110.0	Antel BXA-70063/6CF	1	29.884	32.872	1.00	0.80	6.06	0.000	0.000	318.94	0.00	0.00	15.30
110.0	Antel BXA-70080/6CF	3	29.884	32.872	0.88	0.80	12.33	0.000	0.000	648.71	0.00	0.00	48.82
110.0	Diamond-X50A	2	29.884	32.872	1.00	0.80	1.79	0.000	0.000	94.25	0.00	0.00	4.14
110.0	Flat Low Profile Pla	1	29.884	32.872	1.00	1.00	26.10	0.000	0.000	1,372.74	0.00	0.00	1,350.00
110.0	Powerwave P65-16-	2	29.884	32.872	0.81	0.80	10.54	0.000	0.000	554.17	0.00	0.00	59.40
110.0	RFS DB-T1-6Z-8AB-0Z	1	29.884	32.872	0.67	0.80	2.57	0.000	0.000	135.32	0.00	0.00	39.60
110.0	RFS FD9R6004/2C-3L	6	29.884	32.872	0.50	0.80	0.89	0.000	0.000	46.70	0.00	0.00	14.04
120.0	48" x 8" Panels	12	30.636	33.699	0.90	0.80	31.19	0.000	0.000	1,681.76	0.00	0.00	151.20
120.0	Flat Low Profile Pla	1	30.636	33.699	1.00	1.00	26.10	0.000	0.000	1,407.29	0.00	0.00	1,350.00
130.0	Alcatel-Lucent 4x40W	3	31.206	34.327	0.67	0.80	5.29	0.000	-2.000	290.56	0.00	-581.12	245.70
130.0	Alcatel-Lucent 800 M	3	31.206	34.327	0.67	0.80	3.31	0.000	-2.000	181.93	0.00	-363.86	172.80
130.0	Decibel DB980F650E-	6	31.345	34.479	0.81	0.80	14.58	0.000	0.000	804.33	0.00	0.00	51.30
130.0	Flat Low Profile Pla	1	31.345	34.479	1.00	1.00	26.10	0.000	0.000	1,439.85	0.00	0.00	1,350.00
130.0	RFS APXVSPP18-C-	3	31.345	34.479	0.83	0.80	15.98	0.000	0.000	881.33	0.00	0.00	153.90
138.0	6' Dipole	1	32.145	35.360	1.00	0.75	1.66	0.000	4.000	94.20	0.00	376.80	18.00
138.0	6' FM Antenna	1	32.210	35.431	1.00	1.00	13.45	0.000	5.000	762.47	0.00	3,812.33	27.00
138.0	6' Omni	2	32.145	35.360	1.00	0.75	2.64	0.000	4.000	149.36	0.00	597.44	45.00
138.0	8' Omni	3	32.274	35.501	1.00	0.75	5.40	0.000	6.000	306.73	0.00	1,840.40	108.00
138.0	8' Omni	2	32.145	35.360	1.00	0.75	3.60	0.000	4.000	203.67	0.00	814.69	72.00
138.0	8' Omni (inverted)	1	31.617	34.779	1.00	0.75	1.80	0.000	-4.000	100.16	0.00	-400.65	36.00
138.0	Andrew VHLP2.5-10W	1	32.081	35.289	1.00	1.00	8.43	0.000	3.000	475.97	0.00	1,427.92	42.84
138.0	Decibel DB589	1	32.325	35.558	1.00	1.00	1.38	0.000	6.800	78.51	0.00	533.88	10.35
138.0	Flat Platform w/ Han	1	31.884	35.072	1.00	1.00	42.40	0.000	0.000	2,379.31	0.00	0.00	1,800.00
										<b>21,596.46</b>			<b>11,295.85</b>

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

Code: 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)

30 Iterations

Gust Response Factor : 1.10  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

Wind Importance Factor : 1.00

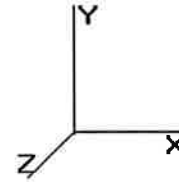
**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	93.78	226.14	0.00	0.00
2.00	93.38	225.16	0.00	0.00
3.00	92.98	224.19	0.00	0.00
4.00	92.58	223.22	0.00	0.00
5.00	92.19	222.25	0.00	0.00
6.00	91.79	270.24	0.00	0.00
7.00	91.39	269.27	0.00	0.00
8.00	90.99	268.29	0.00	0.00
9.00	90.59	267.32	0.00	0.00
10.00	90.19	266.35	0.00	0.00
11.00	89.79	265.38	0.00	0.00
12.00	89.39	264.41	0.00	0.00
13.00	88.99	263.43	0.00	0.00
14.00	88.60	262.46	0.00	0.00
15.00	88.20	261.49	0.00	0.00
16.00	87.80	260.52	0.00	0.00
17.00	87.40	259.54	0.00	0.00
18.00	87.00	258.57	0.00	0.00
19.00	86.60	257.60	0.00	0.00
20.00	86.20	256.63	0.00	0.00
21.00	85.80	255.66	0.00	0.00
22.00	85.40	254.68	0.00	0.00
23.00	85.01	253.71	0.00	0.00
24.00	84.61	252.74	0.00	0.00
25.00	84.21	251.77	0.00	0.00
26.00	83.81	250.80	0.00	0.00
27.00	83.41	249.82	0.00	0.00
28.00	83.01	248.85	0.00	0.00
29.00	82.61	247.88	0.00	0.00
30.00	82.28	246.91	0.00	0.00
31.00	82.65	245.93	0.00	0.00
32.00	83.00	244.96	0.00	0.00
33.00	83.32	243.99	0.00	0.00
34.00	83.62	243.02	0.00	0.00
35.00	83.90	242.05	0.00	0.00
36.00	84.16	241.07	0.00	0.00
37.00	84.40	240.10	0.00	0.00
38.00	84.62	239.13	0.00	0.00
39.00	84.82	238.16	0.00	0.00
40.00	85.00	237.18	0.00	0.00
41.00	85.16	236.21	0.00	0.00
42.00	85.31	235.24	0.00	0.00
43.00	85.44	234.27	0.00	0.00
44.00	85.56	233.30	0.00	0.00
45.00	85.67	232.32	0.00	0.00
46.00	85.75	231.35	0.00	0.00
46.25	21.40	57.69	0.00	0.00
47.00	66.03	312.31	0.00	0.00
48.00	88.17	414.71	0.00	0.00

Pole : 310968  
 Location : WSPT-Westport Rebuild CT, CT  
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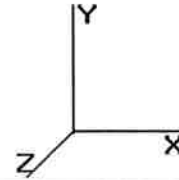
**Load Case:** 0.9D + 1.6W      110.00 mph with No Ice (Reduced DL)      30 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

49.00	88.23	412.77	0.00	0.00
50.00	88.28	410.82	0.00	0.00
51.00	88.32	408.88	0.00	0.00
52.00	88.34	230.38	0.00	0.00
53.00	88.36	229.41	0.00	0.00
54.00	88.36	228.43	0.00	0.00
55.00	88.35	227.46	0.00	0.00
56.00	88.33	226.49	0.00	0.00
57.00	88.29	225.52	0.00	0.00
58.00	88.25	224.55	0.00	0.00
59.00	88.20	223.57	0.00	0.00
60.00	88.14	222.60	0.00	0.00
61.00	88.07	221.63	0.00	0.00
62.00	87.98	220.66	0.00	0.00
63.00	87.89	219.68	0.00	0.00
64.00	87.79	218.71	0.00	0.00
65.00	87.69	217.74	0.00	0.00
66.00	87.57	216.77	0.00	0.00
67.00	87.44	215.80	0.00	0.00
68.00	87.31	214.82	0.00	0.00
69.00	87.17	213.85	0.00	0.00
70.00	87.02	212.88	0.00	0.00
71.00	86.86	211.91	0.00	0.00
72.00	86.70	210.93	0.00	0.00
73.00	86.53	209.96	0.00	0.00
74.00	86.35	208.99	0.00	0.00
75.00	86.16	208.02	0.00	0.00
76.00	85.96	207.05	0.00	0.00
77.00	85.76	206.07	0.00	0.00
78.00	85.56	205.10	0.00	0.00
79.00	85.34	204.13	0.00	0.00
80.00	85.12	203.16	0.00	0.00
81.00	84.89	202.19	0.00	0.00
82.00	84.66	201.21	0.00	0.00
83.00	84.42	200.24	0.00	0.00
84.00	84.17	199.27	0.00	0.00
85.00	83.92	198.30	0.00	0.00
86.00	83.66	197.32	0.00	0.00
87.00	2,661.46	2,025.60	0.00	0.00
88.00	83.13	185.63	0.00	0.00
89.00	82.85	184.65	0.00	0.00
90.00	82.57	183.68	0.00	0.00
91.00	82.28	182.71	0.00	0.00
92.00	81.99	181.74	0.00	0.00
93.00	81.69	180.76	0.00	0.00
93.50	40.70	90.02	0.00	0.00
94.00	41.14	116.71	0.00	0.00
95.00	82.12	232.43	0.00	0.00
96.00	81.81	231.09	0.00	0.00
97.00	81.49	229.75	0.00	0.00
97.25	20.30	57.23	0.00	0.00
98.00	60.83	68.76	0.00	0.00
99.00	80.85	91.36	0.00	0.00
100.0	3,653.03	2,204.55	0.00	0.00
101.0	80.18	80.79	0.00	0.00
102.0	79.84	80.43	0.00	0.00
103.0	79.50	80.06	0.00	0.00

Pole : 310968  
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Code: ANSI/TIA-222 Rev G  
 Struct Class : II  
 Exposure Category : B  
 Topographic Category : 1  
 Base Elev : 0.000 (ft)

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<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

104.0	79.15	79.70	0.00	0.00
105.0	78.79	79.34	0.00	0.00
106.0	78.43	78.97	0.00	0.00
107.0	78.07	78.61	0.00	0.00
108.0	77.70	78.24	0.00	0.00
109.0	77.33	77.88	0.00	0.00
110.0	4,285.41	1,796.46	0.00	0.00
111.0	76.57	66.85	0.00	0.00
112.0	76.19	66.49	0.00	0.00
113.0	75.80	66.12	0.00	0.00
114.0	75.40	65.76	0.00	0.00
115.0	75.01	65.39	0.00	0.00
116.0	74.60	65.03	0.00	0.00
117.0	74.20	64.67	0.00	0.00
118.0	73.79	64.30	0.00	0.00
119.0	73.38	63.94	0.00	0.00
120.0	3,162.01	1,564.77	0.00	0.00
121.0	72.54	56.40	0.00	0.00
122.0	72.11	56.04	0.00	0.00
123.0	71.68	55.68	0.00	0.00
124.0	71.25	55.31	0.00	0.00
125.0	70.81	54.95	0.00	0.00
126.0	70.37	54.58	0.00	0.00
127.0	69.93	54.22	0.00	0.00
128.0	69.48	53.85	0.00	0.00
129.0	69.03	53.49	0.00	0.00
130.0	3,666.57	2,026.82	0.00	-944.98
131.0	68.12	45.63	0.00	0.00
132.0	67.66	45.27	0.00	0.00
133.0	67.19	44.90	0.00	0.00
134.0	66.72	44.54	0.00	0.00
135.0	66.25	44.17	0.00	0.00
136.0	65.78	43.81	0.00	0.00
137.0	65.30	43.44	0.00	0.00
138.0	4,615.20	2,202.27	0.00	9,002.80
139.0	64.33	37.57	0.00	0.00
140.0	63.84	37.20	0.00	0.00
<b>Totals:</b>	<b>33,113.19</b>	<b>37,126.13</b>	<b>0.00</b>	<b>8,057.83</b>

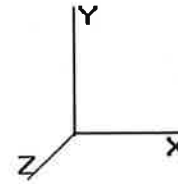




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**Load Case: 0.9D + 1.6W**      110.00 mph with No Ice (Reduced DL)      30 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

105.00	-7.72	-18.72	0.00	-376.71	0.00	376.71	1,068.74	534.37	1,200.66	601.22	56.58	-5.14	0.635
106.00	-7.62	-18.64	0.00	-357.99	0.00	357.99	1,064.12	532.06	1,186.66	594.21	57.66	-5.21	0.611
107.00	-7.53	-18.57	0.00	-339.34	0.00	339.34	1,059.46	529.73	1,172.69	587.21	58.76	-5.27	0.586
108.00	-7.44	-18.49	0.00	-320.78	0.00	320.78	1,054.75	527.38	1,158.74	580.23	59.87	-5.34	0.561
109.00	-7.35	-18.41	0.00	-302.29	0.00	302.29	1,050.00	525.00	1,144.81	573.26	60.99	-5.40	0.536
110.00	-5.95	-13.98	0.00	-283.87	0.00	283.87	1,045.19	522.60	1,130.92	566.30	62.13	-5.46	0.508
111.00	-5.88	-13.91	0.00	-269.89	0.00	269.89	1,040.34	520.17	1,117.05	559.36	63.28	-5.52	0.489
112.00	-5.81	-13.83	0.00	-255.98	0.00	255.98	1,035.44	517.72	1,103.21	552.43	64.44	-5.57	0.470
113.00	-5.74	-13.75	0.00	-242.15	0.00	242.15	1,030.50	515.25	1,089.41	545.51	65.61	-5.63	0.450
114.00	-5.67	-13.68	0.00	-228.40	0.00	228.40	1,025.50	512.75	1,075.63	538.62	66.79	-5.68	0.430
115.00	-5.60	-13.60	0.00	-214.72	0.00	214.72	1,020.46	510.23	1,061.89	531.74	67.99	-5.73	0.410
116.00	-5.53	-13.53	0.00	-201.12	0.00	201.12	1,015.38	507.69	1,048.19	524.87	69.19	-5.78	0.389
117.00	-5.46	-13.45	0.00	-187.59	0.00	187.59	1,010.24	505.12	1,034.52	518.03	70.40	-5.82	0.368
118.00	-5.39	-13.37	0.00	-174.14	0.00	174.14	1,005.06	502.53	1,020.89	511.20	71.63	-5.87	0.347
119.00	-5.33	-13.30	0.00	-160.77	0.00	160.77	999.83	499.91	1,007.29	504.39	72.86	-5.91	0.325
120.00	-4.09	-9.99	0.00	-147.47	0.00	147.47	994.55	497.27	993.73	497.61	74.10	-5.95	0.301
121.00	-4.04	-9.92	0.00	-137.48	0.00	137.48	989.22	494.61	980.22	490.84	75.35	-5.99	0.285
122.00	-3.98	-9.84	0.00	-127.56	0.00	127.56	983.85	491.93	966.75	484.09	76.60	-6.02	0.268
123.00	-3.93	-9.77	0.00	-117.72	0.00	117.72	978.43	489.22	953.32	477.37	77.87	-6.06	0.251
124.00	-3.88	-9.69	0.00	-107.95	0.00	107.95	972.96	486.48	939.93	470.66	79.14	-6.09	0.234
125.00	-3.83	-9.62	0.00	-98.26	0.00	98.26	967.45	483.72	926.59	463.98	80.41	-6.12	0.216
126.00	-3.77	-9.55	0.00	-88.64	0.00	88.64	961.89	480.94	913.29	457.32	81.69	-6.15	0.198
127.00	-3.72	-9.47	0.00	-79.09	0.00	79.09	956.28	478.14	900.04	450.69	82.98	-6.17	0.180
128.00	-3.67	-9.40	0.00	-69.62	0.00	69.62	950.62	475.31	886.85	444.08	84.28	-6.20	0.161
129.00	-3.63	-9.33	0.00	-60.22	0.00	60.22	944.92	472.46	873.70	437.50	85.57	-6.22	0.142
130.00	-2.01	-5.46	0.00	-50.90	0.00	50.90	939.16	469.58	860.60	430.94	86.88	-6.23	0.120
131.00	-1.97	-5.39	0.00	-45.44	0.00	45.44	933.36	466.68	847.55	424.41	88.18	-6.25	0.109
132.00	-1.93	-5.32	0.00	-40.05	0.00	40.05	927.52	463.76	834.56	417.90	89.49	-6.27	0.098
133.00	-1.89	-5.25	0.00	-34.73	0.00	34.73	921.62	460.81	821.62	411.42	90.80	-6.28	0.087
134.00	-1.85	-5.17	0.00	-29.49	0.00	29.49	915.68	457.84	808.74	404.97	92.12	-6.29	0.075
135.00	-1.81	-5.10	0.00	-24.31	0.00	24.31	909.69	454.85	795.92	398.55	93.43	-6.30	0.063
136.00	-1.78	-5.03	0.00	-19.21	0.00	19.21	903.66	451.83	783.15	392.16	94.75	-6.31	0.051
137.00	-1.74	-4.97	0.00	-14.17	0.00	14.17	897.57	448.79	770.44	385.79	96.07	-6.32	0.039
138.00	-0.06	-0.14	0.00	-0.20	0.00	0.20	891.44	445.72	757.80	379.46	97.39	-6.32	0.001
139.00	-0.03	-0.07	0.00	-0.07	0.00	0.07	885.26	442.63	745.21	373.16	98.71	-6.32	0.000
140.00	0.00	-0.06	0.00	0.00	0.00	0.00	879.04	439.52	732.69	366.89	100.03	-6.32	0.000

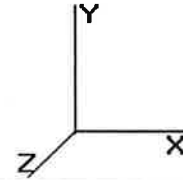




Pole : 310968  
 Location : WSPT-Westport Rebuild CT, CT  
 Height : 140.0 (ft)  
 Base Dia : 47.13 (in)  
 Top Dia : 20.50 (in)  
 Shape : 18 Sides  
 Taper : 0.200036 (in/ft)

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

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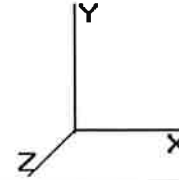
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

50.00		1.00	0.81	4.929	5.422	0.000	1.200	1.564	1.00	3.495	4.19	22.7	77.7	560.2
51.00	Top - Section 1	1.00	0.81	4.957	5.453	0.000	1.200	1.567	1.00	3.479	4.17	22.8	77.5	557.4
52.00		1.00	0.82	4.984	5.483	0.000	1.200	1.570	1.00	3.463	4.16	22.8	77.3	319.2
53.00		1.00	0.82	5.012	5.513	0.000	1.200	1.573	1.00	3.446	4.14	22.8	77.0	317.6
54.00		1.00	0.82	5.039	5.542	0.000	1.200	1.576	1.00	3.430	4.12	22.8	76.8	316.1
55.00		1.00	0.83	5.065	5.572	0.000	1.200	1.579	1.00	3.413	4.10	22.8	76.5	314.5
56.00		1.00	0.83	5.091	5.600	0.000	1.200	1.581	1.00	3.397	4.08	22.8	76.3	313.0
57.00		1.00	0.84	5.117	5.629	0.000	1.200	1.584	1.00	3.380	4.06	22.8	76.0	311.4
58.00		1.00	0.84	5.142	5.657	0.000	1.200	1.587	1.00	3.364	4.04	22.8	75.8	309.9
59.00		1.00	0.85	5.168	5.684	0.000	1.200	1.590	1.00	3.347	4.02	22.8	75.5	308.3
60.00		1.00	0.85	5.193	5.712	0.000	1.200	1.592	1.00	3.331	4.00	22.8	75.2	306.8
61.00		1.00	0.85	5.217	5.739	0.000	1.200	1.595	1.00	3.314	3.98	22.8	75.0	305.2
62.00		1.00	0.86	5.241	5.766	0.000	1.200	1.598	1.00	3.298	3.96	22.8	74.7	303.6
63.00		1.00	0.86	5.265	5.792	0.000	1.200	1.600	1.00	3.281	3.94	22.8	74.4	302.0
64.00		1.00	0.87	5.289	5.818	0.000	1.200	1.603	1.00	3.265	3.92	22.8	74.1	300.5
65.00		1.00	0.87	5.313	5.844	0.000	1.200	1.605	1.00	3.248	3.90	22.8	73.9	298.9
66.00		1.00	0.87	5.336	5.869	0.000	1.200	1.608	1.00	3.232	3.88	22.8	73.6	297.3
67.00		1.00	0.88	5.359	5.895	0.000	1.200	1.610	1.00	3.215	3.86	22.7	73.3	295.7
68.00		1.00	0.88	5.382	5.920	0.000	1.200	1.612	1.00	3.199	3.84	22.7	73.0	294.1
69.00		1.00	0.88	5.404	5.944	0.000	1.200	1.615	1.00	3.182	3.82	22.7	72.7	292.5
70.00		1.00	0.89	5.426	5.969	0.000	1.200	1.617	1.00	3.166	3.80	22.7	72.4	291.0
71.00		1.00	0.89	5.448	5.993	0.000	1.200	1.619	1.00	3.149	3.78	22.6	72.1	289.4
72.00		1.00	0.90	5.470	6.017	0.000	1.200	1.622	1.00	3.133	3.76	22.6	71.8	287.8
73.00		1.00	0.90	5.492	6.041	0.000	1.200	1.624	1.00	3.116	3.74	22.6	71.5	286.2
74.00		1.00	0.90	5.513	6.064	0.000	1.200	1.626	1.00	3.100	3.72	22.6	71.2	284.6
75.00		1.00	0.91	5.534	6.088	0.000	1.200	1.628	1.00	3.083	3.70	22.5	70.9	283.0
76.00		1.00	0.91	5.555	6.111	0.000	1.200	1.631	1.00	3.066	3.68	22.5	70.6	281.3
77.00		1.00	0.91	5.576	6.134	0.000	1.200	1.633	1.00	3.050	3.66	22.4	70.3	279.7
78.00		1.00	0.92	5.597	6.156	0.000	1.200	1.635	1.00	3.033	3.64	22.4	69.9	278.1
79.00		1.00	0.92	5.617	6.179	0.000	1.200	1.637	1.00	3.017	3.62	22.4	69.6	276.5
80.00		1.00	0.92	5.637	6.201	0.000	1.200	1.639	1.00	3.000	3.60	22.3	69.3	274.9
81.00		1.00	0.93	5.657	6.223	0.000	1.200	1.641	1.00	2.984	3.58	22.3	69.0	273.3
82.00		1.00	0.93	5.677	6.245	0.000	1.200	1.643	1.00	2.967	3.56	22.2	68.7	271.7
83.00		1.00	0.93	5.697	6.267	0.000	1.200	1.645	1.00	2.950	3.54	22.2	68.3	270.0
84.00		1.00	0.94	5.716	6.288	0.000	1.200	1.647	1.00	2.934	3.52	22.1	68.0	268.4
85.00		1.00	0.94	5.736	6.309	0.000	1.200	1.649	1.00	2.917	3.50	22.1	67.7	266.8
86.00		1.00	0.94	5.755	6.331	0.000	1.200	1.651	1.00	2.901	3.48	22.0	67.4	265.2
87.00	Appertunance(s)	1.00	0.95	5.774	6.351	0.000	1.200	1.653	1.00	2.884	3.46	22.0	67.0	263.5
88.00		1.00	0.95	5.793	6.372	0.000	1.200	1.655	1.00	2.867	3.44	21.9	66.7	261.9
89.00		1.00	0.95	5.812	6.393	0.000	1.200	1.656	1.00	2.851	3.42	21.9	66.3	260.3
90.00		1.00	0.95	5.830	6.413	0.000	1.200	1.658	1.00	2.834	3.40	21.8	66.0	258.6
91.00		1.00	0.96	5.849	6.434	0.000	1.200	1.660	1.00	2.818	3.38	21.8	65.7	257.0
92.00		1.00	0.96	5.867	6.454	0.000	1.200	1.662	1.00	2.801	3.36	21.7	65.3	255.4
93.00		1.00	0.96	5.885	6.474	0.000	1.200	1.664	1.00	2.784	3.34	21.6	65.0	253.7
93.50	Bot - Section 3	1.00	0.96	5.894	6.484	0.000	1.200	1.665	0.50	1.386	1.66	10.8	32.4	126.3
94.00		1.00	0.97	5.903	6.493	0.000	1.200	1.666	0.50	1.398	1.68	10.9	32.7	162.2
95.00		1.00	0.97	5.921	6.513	0.000	1.200	1.667	1.00	2.783	3.34	21.7	65.1	322.7
96.00		1.00	0.97	5.939	6.533	0.000	1.200	1.669	1.00	2.766	3.32	21.7	64.7	320.6
97.00		1.00	0.98	5.956	6.552	0.000	1.200	1.671	1.00	2.749	3.30	21.6	64.4	318.4
97.25	Top - Section 2	1.00	0.98	5.961	6.557	0.000	1.200	1.671	0.25	0.685	0.82	5.4	16.1	79.3
98.00		1.00	0.98	5.974	6.571	0.000	1.200	1.672	0.75	2.048	2.46	16.1	48.0	100.5
99.00		1.00	0.98	5.991	6.590	0.000	1.200	1.674	1.00	2.716	3.26	21.5	63.7	133.2
100.0	Appertunance(s)	1.00	0.98	6.008	6.609	0.000	1.200	1.676	1.00	2.700	3.24	21.4	63.3	132.4
101.0		1.00	0.99	6.026	6.628	0.000	1.200	1.678	1.00	2.683	3.22	21.3	63.0	131.5
102.0		1.00	0.99	6.043	6.647	0.000	1.200	1.679	1.00	2.666	3.20	21.3	62.6	130.7
103.0		1.00	0.99	6.059	6.665	0.000	1.200	1.681	1.00	2.650	3.18	21.2	62.3	129.9
104.0		1.00	0.99	6.076	6.684	0.000	1.200	1.682	1.00	2.633	3.16	21.1	61.9	129.0

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

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

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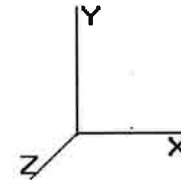
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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

105.0	1.00	1.00	6.093	6.702	0.000	1.200	1.684	1.00	2.616	3.14	21.0	61.5	128.2	
106.0	1.00	1.00	6.109	6.720	0.000	1.200	1.686	1.00	2.600	3.12	21.0	61.2	127.3	
107.0	1.00	1.00	6.126	6.738	0.000	1.200	1.687	1.00	2.583	3.10	20.9	60.8	126.5	
108.0	1.00	1.01	6.142	6.756	0.000	1.200	1.689	1.00	2.566	3.08	20.8	60.5	125.6	
109.0	1.00	1.01	6.158	6.774	0.000	1.200	1.690	1.00	2.550	3.06	20.7	60.1	124.8	
110.0	Appertunance(s)	1.00	1.01	6.174	6.792	0.000	1.200	1.692	1.00	2.533	3.04	20.6	59.7	123.9
111.0		1.00	1.01	6.190	6.809	0.000	1.200	1.693	1.00	2.516	3.02	20.6	59.4	123.1
112.0		1.00	1.02	6.206	6.827	0.000	1.200	1.695	1.00	2.500	3.00	20.5	59.0	122.2
113.0		1.00	1.02	6.222	6.844	0.000	1.200	1.696	1.00	2.483	2.98	20.4	58.6	121.4
114.0		1.00	1.02	6.238	6.861	0.000	1.200	1.698	1.00	2.466	2.96	20.3	58.3	120.5
115.0		1.00	1.02	6.253	6.879	0.000	1.200	1.699	1.00	2.450	2.94	20.2	57.9	119.6
116.0		1.00	1.03	6.269	6.896	0.000	1.200	1.701	1.00	2.433	2.92	20.1	57.5	118.8
117.0		1.00	1.03	6.284	6.913	0.000	1.200	1.702	1.00	2.416	2.90	20.0	57.1	117.9
118.0		1.00	1.03	6.299	6.929	0.000	1.200	1.704	1.00	2.400	2.88	20.0	56.8	117.1
119.0	Appertunance(s)	1.00	1.03	6.315	6.946	0.000	1.200	1.705	1.00	2.383	2.86	19.9	56.4	116.2
120.0		1.00	1.04	6.330	6.963	0.000	1.200	1.707	1.00	2.366	2.84	19.8	56.0	115.3
121.0		1.00	1.04	6.345	6.979	0.000	1.200	1.708	1.00	2.349	2.82	19.7	55.6	114.5
122.0		1.00	1.04	6.360	6.996	0.000	1.200	1.710	1.00	2.333	2.80	19.6	55.2	113.6
123.0		1.00	1.04	6.375	7.012	0.000	1.200	1.711	1.00	2.316	2.78	19.5	54.9	112.7
124.0		1.00	1.05	6.389	7.028	0.000	1.200	1.712	1.00	2.299	2.76	19.4	54.5	111.9
125.0		1.00	1.05	6.404	7.044	0.000	1.200	1.714	1.00	2.283	2.74	19.3	54.1	111.0
126.0		1.00	1.05	6.419	7.060	0.000	1.200	1.715	1.00	2.266	2.72	19.2	53.7	110.1
127.0		1.00	1.05	6.433	7.076	0.000	1.200	1.716	1.00	2.249	2.70	19.1	53.3	109.3
128.0		1.00	1.06	6.448	7.092	0.000	1.200	1.718	1.00	2.233	2.68	19.0	52.9	108.4
129.0		1.00	1.06	6.462	7.108	0.000	1.200	1.719	1.00	2.216	2.66	18.9	52.6	107.5
130.0	Appertunance(s)	1.00	1.06	6.476	7.124	0.000	1.200	1.720	1.00	2.199	2.64	18.8	52.2	106.6
131.0		1.00	1.06	6.490	7.139	0.000	1.200	1.722	1.00	2.182	2.62	18.7	51.8	105.8
132.0		1.00	1.07	6.504	7.155	0.000	1.200	1.723	1.00	2.166	2.60	18.6	51.4	104.9
133.0		1.00	1.07	6.519	7.170	0.000	1.200	1.724	1.00	2.149	2.58	18.5	51.0	104.0
134.0		1.00	1.07	6.532	7.186	0.000	1.200	1.726	1.00	2.132	2.56	18.4	50.6	103.1
135.0		1.00	1.07	6.546	7.201	0.000	1.200	1.727	1.00	2.116	2.54	18.3	50.2	102.2
136.0		1.00	1.07	6.560	7.216	0.000	1.200	1.728	1.00	2.099	2.52	18.2	49.8	101.4
137.0		1.00	1.08	6.574	7.231	0.000	1.200	1.729	1.00	2.082	2.50	18.1	49.4	100.5
138.0	Appertunance(s)	1.00	1.08	6.588	7.246	0.000	1.200	1.731	1.00	2.065	2.48	18.0	49.0	99.6
139.0		1.00	1.08	6.601	7.261	0.000	1.200	1.732	1.00	2.049	2.46	17.9	48.6	98.7
140.0		1.00	1.08	6.615	7.276	0.000	1.200	1.733	1.00	2.032	2.44	17.7	48.2	97.8
							<b>Totals:</b>	140.00			3,009.0	9,635.4	37,178.3	

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

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



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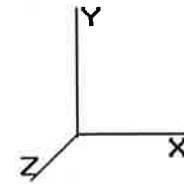
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

**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)
87.00	Ericsson AIR 21. 1.3	3	5.774	6.351	0.86	0.80	14.63	0.000	0.000	92.90	0.00	0.00	774.11
87.00	Ericsson AIR 21. 1.3	3	5.774	6.351	0.85	0.80	14.55	0.000	0.000	92.40	0.00	0.00	768.58
87.00	Flat Low Profile Pla	1	5.774	6.351	1.00	1.00	44.22	0.000	0.000	280.84	0.00	0.00	2,214.80
87.00	RFS ATMAP1412D-	3	5.774	6.351	0.50	0.80	1.70	0.000	0.000	10.81	0.00	0.00	145.44
100.0	Ericsson RRUS 11 (Ba	6	6.008	6.609	0.67	0.80	10.09	0.000	0.000	66.68	0.00	0.00	854.86
100.0	Powerwave 7770.00	6	6.008	6.609	0.77	0.80	24.10	0.000	0.000	159.27	0.00	0.00	1,023.77
100.0	Powerwave LGP21401	6	6.008	6.609	0.50	0.80	3.70	0.000	0.000	24.48	0.00	0.00	292.40
100.0	Powerwave LGP21901	6	6.008	6.609	0.50	0.80	1.00	0.000	0.000	6.62	0.00	0.00	110.51
100.0	Powerwave P65-16-	3	6.008	6.609	0.79	0.80	17.77	0.000	0.000	117.47	0.00	0.00	738.54
100.0	Raycap DC6-48-60-18-	1	6.008	6.609	1.00	0.80	2.26	0.000	0.000	14.94	0.00	0.00	126.62
100.0	Round Low Profile PI	1	6.008	6.609	1.00	1.00	40.17	0.000	0.000	265.52	0.00	0.00	2,223.42
110.0	Alcatel-Lucent RRH2x	3	6.174	6.792	0.67	0.80	4.47	0.000	0.000	30.39	0.00	0.00	370.55
110.0	Antel BXA-171063-8BF	3	6.174	6.792	0.87	0.80	7.89	0.000	0.000	53.59	0.00	0.00	277.80
110.0	Antel BXA-171063/12C	3	6.174	6.792	0.88	0.80	12.59	0.000	0.000	85.49	0.00	0.00	401.01
110.0	Antel BXA-70063/6CF	1	6.174	6.792	1.00	0.80	7.02	0.000	0.000	47.69	0.00	0.00	181.43
110.0	Antel BXA-70080/6CF	3	6.174	6.792	0.88	0.80	14.86	0.000	0.000	100.96	0.00	0.00	501.35
110.0	Diamond X50A	2	6.174	6.792	1.00	0.80	3.95	0.000	0.000	26.84	0.00	0.00	120.70
110.0	Flat Low Profile Pla	1	6.174	6.792	1.00	1.00	44.65	0.000	0.000	303.23	0.00	0.00	2,229.39
110.0	Powerwave P65-16-	2	6.174	6.792	0.81	0.80	12.17	0.000	0.000	82.63	0.00	0.00	429.37
110.0	RFS DB-T1-6Z-8AB-0Z	1	6.174	6.792	0.67	0.80	3.03	0.000	0.000	20.55	0.00	0.00	191.38
110.0	RFS FD9R6004/2C-3L	6	6.174	6.792	0.50	0.80	1.37	0.000	0.000	9.28	0.00	0.00	93.62
120.0	48" x 8" Panels	12	6.330	6.963	0.90	0.80	38.76	0.000	0.000	269.88	0.00	0.00	1,493.18
120.0	Flat Low Profile Pla	1	6.330	6.963	1.00	1.00	44.81	0.000	0.000	311.99	0.00	0.00	2,234.89
130.0	Alcatel-Lucent 4x40W	3	6.448	7.092	0.67	0.80	5.03	0.000	-2.000	35.65	0.00	-71.31	699.02
130.0	Alcatel-Lucent 800 M	3	6.448	7.092	0.67	0.80	6.67	0.000	-2.000	47.29	0.00	-94.58	613.05
130.0	Decibel DB980F650E-	6	6.476	7.124	0.81	0.80	18.61	0.000	0.000	132.56	0.00	0.00	608.50
130.0	Flat Low Profile Pla	1	6.476	7.124	1.00	1.00	44.96	0.000	0.000	320.28	0.00	0.00	2,240.00
130.0	RFS APXVSP18-C-	3	6.476	7.124	0.83	0.80	18.52	0.000	0.000	131.90	0.00	0.00	794.12
138.0	6' Dipole	1	6.642	7.306	1.00	0.75	3.67	0.000	4.000	26.83	0.00	107.30	71.66
138.0	6' FM Antenna	1	6.655	7.320	1.00	1.00	22.76	0.000	5.000	166.62	0.00	833.11	-25.93
138.0	6' Omni	2	6.642	7.306	1.00	0.75	4.59	0.000	4.000	33.54	0.00	134.17	222.20
138.0	8' Omni	3	6.668	7.335	1.00	0.75	9.91	0.000	6.000	72.66	0.00	435.97	463.72
138.0	8' Omni	2	6.642	7.306	1.00	0.75	6.60	0.000	4.000	48.25	0.00	192.99	309.15
138.0	8' Omni (inverted)	1	6.532	7.186	1.00	0.75	3.30	0.000	-4.000	23.73	0.00	-94.91	154.57
138.0	Andrew VHLP2.5-10W	1	6.628	7.291	1.00	1.00	10.12	0.000	3.000	73.80	0.00	221.41	178.98
138.0	Decibel DB589	1	6.679	7.347	1.00	1.00	4.53	0.000	6.800	33.27	0.00	226.25	96.58
138.0	Flat Platform w/ Han	1	6.588	7.246	1.00	1.00	63.24	0.000	0.000	458.26	0.00	0.00	3,362.26
										<b>4,079.08</b>			<b>27,585.61</b>

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

Code: 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      28 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

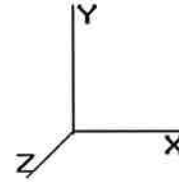
**Applied Segment Forces Summary**

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
1.00	23.35	365.09	0.00	0.00
2.00	23.32	368.18	0.00	0.00
3.00	23.27	369.47	0.00	0.00
4.00	23.21	369.98	0.00	0.00
5.00	23.14	370.04	0.00	0.00
6.00	23.07	435.11	0.00	0.00
7.00	22.99	434.68	0.00	0.00
8.00	22.91	434.10	0.00	0.00
9.00	22.83	433.41	0.00	0.00
10.00	22.75	432.62	0.00	0.00
11.00	22.66	431.75	0.00	0.00
12.00	22.58	430.81	0.00	0.00
13.00	22.50	429.82	0.00	0.00
14.00	22.41	428.78	0.00	0.00
15.00	22.32	427.70	0.00	0.00
16.00	22.24	426.58	0.00	0.00
17.00	22.15	425.43	0.00	0.00
18.00	22.06	424.25	0.00	0.00
19.00	21.97	423.04	0.00	0.00
20.00	21.89	421.81	0.00	0.00
21.00	21.80	420.55	0.00	0.00
22.00	21.71	419.28	0.00	0.00
23.00	21.62	417.99	0.00	0.00
24.00	21.53	416.68	0.00	0.00
25.00	21.44	415.35	0.00	0.00
26.00	21.35	414.01	0.00	0.00
27.00	21.26	412.66	0.00	0.00
28.00	21.17	411.29	0.00	0.00
29.00	21.08	409.91	0.00	0.00
30.00	21.01	408.52	0.00	0.00
31.00	21.11	407.12	0.00	0.00
32.00	21.21	405.71	0.00	0.00
33.00	21.31	404.29	0.00	0.00
34.00	21.40	402.86	0.00	0.00
35.00	21.48	401.42	0.00	0.00
36.00	21.56	399.98	0.00	0.00
37.00	21.63	398.53	0.00	0.00
38.00	21.70	397.06	0.00	0.00
39.00	21.76	395.60	0.00	0.00
40.00	21.82	394.12	0.00	0.00
41.00	21.87	392.64	0.00	0.00
42.00	21.92	391.15	0.00	0.00
43.00	21.97	389.66	0.00	0.00
44.00	22.01	388.16	0.00	0.00
45.00	22.05	386.66	0.00	0.00
46.00	22.09	385.15	0.00	0.00
46.25	5.51	96.07	0.00	0.00
47.00	16.98	475.22	0.00	0.00
48.00	22.69	631.14	0.00	0.00

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

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

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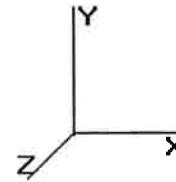
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

49.00	22.72	628.32	0.00	0.00
50.00	22.74	625.50	0.00	0.00
51.00	22.76	622.68	0.00	0.00
52.00	22.78	384.44	0.00	0.00
53.00	22.80	382.90	0.00	0.00
54.00	22.81	381.36	0.00	0.00
55.00	22.82	379.82	0.00	0.00
56.00	22.83	378.27	0.00	0.00
57.00	22.83	376.72	0.00	0.00
58.00	22.83	375.16	0.00	0.00
59.00	22.83	373.60	0.00	0.00
60.00	22.83	372.04	0.00	0.00
61.00	22.83	370.47	0.00	0.00
62.00	22.82	368.90	0.00	0.00
63.00	22.81	367.33	0.00	0.00
64.00	22.79	365.75	0.00	0.00
65.00	22.78	364.17	0.00	0.00
66.00	22.76	362.59	0.00	0.00
67.00	22.74	361.01	0.00	0.00
68.00	22.72	359.42	0.00	0.00
69.00	22.70	357.83	0.00	0.00
70.00	22.68	356.24	0.00	0.00
71.00	22.65	354.64	0.00	0.00
72.00	22.62	353.04	0.00	0.00
73.00	22.59	351.45	0.00	0.00
74.00	22.56	349.84	0.00	0.00
75.00	22.52	348.24	0.00	0.00
76.00	22.49	346.63	0.00	0.00
77.00	22.45	345.02	0.00	0.00
78.00	22.41	343.41	0.00	0.00
79.00	22.37	341.80	0.00	0.00
80.00	22.33	340.18	0.00	0.00
81.00	22.28	338.57	0.00	0.00
82.00	22.23	336.95	0.00	0.00
83.00	22.19	335.33	0.00	0.00
84.00	22.14	333.70	0.00	0.00
85.00	22.09	332.08	0.00	0.00
86.00	22.03	330.45	0.00	0.00
87.00	498.93	4,231.74	0.00	0.00
88.00	21.93	314.18	0.00	0.00
89.00	21.87	312.55	0.00	0.00
90.00	21.81	310.92	0.00	0.00
91.00	21.75	309.28	0.00	0.00
92.00	21.69	307.64	0.00	0.00
93.00	21.63	306.01	0.00	0.00
93.50	10.78	152.43	0.00	0.00
94.00	10.89	188.33	0.00	0.00
95.00	21.75	374.98	0.00	0.00
96.00	21.68	372.85	0.00	0.00
97.00	21.62	370.72	0.00	0.00
97.25	5.39	92.38	0.00	0.00
98.00	16.15	139.70	0.00	0.00
99.00	21.48	185.49	0.00	0.00
100.0	676.39	5,554.79	0.00	0.00
101.0	21.34	170.70	0.00	0.00
102.0	21.27	169.86	0.00	0.00
103.0	21.19	169.02	0.00	0.00

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

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

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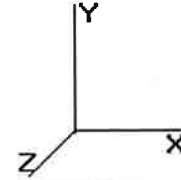
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

104.0	21.12	168.17	0.00	0.00
105.0	21.04	167.33	0.00	0.00
106.0	20.96	166.48	0.00	0.00
107.0	20.89	165.63	0.00	0.00
108.0	20.81	164.78	0.00	0.00
109.0	20.73	163.93	0.00	0.00
110.0	781.27	4,959.69	0.00	0.00
111.0	20.56	148.50	0.00	0.00
112.0	20.48	147.64	0.00	0.00
113.0	20.39	146.79	0.00	0.00
114.0	20.31	145.93	0.00	0.00
115.0	20.22	145.07	0.00	0.00
116.0	20.13	144.21	0.00	0.00
117.0	20.04	143.35	0.00	0.00
118.0	19.95	142.49	0.00	0.00
119.0	19.86	141.63	0.00	0.00
120.0	601.64	3,868.84	0.00	0.00
121.0	19.68	130.83	0.00	0.00
122.0	19.58	129.96	0.00	0.00
123.0	19.49	129.10	0.00	0.00
124.0	19.39	128.23	0.00	0.00
125.0	19.30	127.36	0.00	0.00
126.0	19.20	126.49	0.00	0.00
127.0	19.10	125.62	0.00	0.00
128.0	19.00	124.75	0.00	0.00
129.0	18.90	123.87	0.00	0.00
130.0	686.49	5,077.69	0.00	-165.89
131.0	18.70	112.62	0.00	0.00
132.0	18.59	111.75	0.00	0.00
133.0	18.49	110.87	0.00	0.00
134.0	18.39	109.99	0.00	0.00
135.0	18.28	109.11	0.00	0.00
136.0	18.18	108.23	0.00	0.00
137.0	18.07	107.35	0.00	0.00
138.0	954.93	4,939.65	0.00	2,056.29
139.0	17.85	98.73	0.00	0.00
140.0	17.74	97.84	0.00	0.00
<b>Totals:</b>	<b>7,088.11</b>	<b>71,661.38</b>	<b>0.00</b>	<b>1,890.40</b>

Pole : 310968  
 Location : WSPT-Westport Rebuild CT, CT  
 Height : 140.0 (ft)  
 Base Dia : 47.13 (in)  
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 Struct Class : II  
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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	28 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	-71.66	-7.09	0.00	-737.36	0.00	737.36	5,497.77	2,748.88	10,504.0	5,259.85	0.00	0.00	0.153
1.00	-71.29	-7.08	0.00	-730.27	0.00	730.27	5,474.18	2,737.09	10,413.6	5,214.58	0.00	-0.01	0.153
2.00	-70.92	-7.07	0.00	-723.19	0.00	723.19	5,450.60	2,725.30	10,323.6	5,169.50	0.00	-0.02	0.153
3.00	-70.55	-7.06	0.00	-716.12	0.00	716.12	5,427.01	2,713.51	10,234.0	5,124.62	0.01	-0.03	0.153
4.00	-70.18	-7.05	0.00	-709.06	0.00	709.06	5,403.43	2,701.71	10,144.8	5,079.94	0.02	-0.04	0.153
5.00	-69.81	-7.04	0.00	-702.01	0.00	702.01	5,379.84	2,689.92	10,055.9	5,035.45	0.03	-0.05	0.152
6.00	-69.38	-7.03	0.00	-694.97	0.00	694.97	5,356.26	2,678.13	9,967.51	4,991.16	0.04	-0.06	0.152
7.00	-68.94	-7.02	0.00	-687.95	0.00	687.95	5,332.67	2,666.34	9,879.45	4,947.07	0.05	-0.07	0.152
8.00	-68.50	-7.01	0.00	-680.93	0.00	680.93	5,309.09	2,654.55	9,791.78	4,903.17	0.07	-0.08	0.152
9.00	-68.07	-6.99	0.00	-673.92	0.00	673.92	5,285.51	2,642.75	9,704.50	4,859.47	0.09	-0.09	0.152
10.00	-67.64	-6.98	0.00	-666.93	0.00	666.93	5,261.92	2,630.96	9,617.62	4,815.96	0.11	-0.10	0.151
11.00	-67.20	-6.97	0.00	-659.95	0.00	659.95	5,238.34	2,619.17	9,531.12	4,772.64	0.13	-0.11	0.151
12.00	-66.77	-6.96	0.00	-652.97	0.00	652.97	5,214.75	2,607.38	9,445.01	4,729.53	0.16	-0.13	0.151
13.00	-66.34	-6.95	0.00	-646.01	0.00	646.01	5,191.17	2,595.58	9,359.30	4,686.60	0.19	-0.14	0.151
14.00	-65.91	-6.94	0.00	-639.06	0.00	639.06	5,167.58	2,583.79	9,273.97	4,643.88	0.21	-0.15	0.150
15.00	-65.48	-6.93	0.00	-632.12	0.00	632.12	5,144.00	2,572.00	9,189.04	4,601.35	0.25	-0.16	0.150
16.00	-65.05	-6.92	0.00	-625.20	0.00	625.20	5,120.41	2,560.21	9,104.50	4,559.01	0.28	-0.17	0.150
17.00	-64.63	-6.91	0.00	-618.28	0.00	618.28	5,096.83	2,548.41	9,020.34	4,516.88	0.32	-0.18	0.150
18.00	-64.20	-6.89	0.00	-611.37	0.00	611.37	5,073.24	2,536.62	8,936.58	4,474.93	0.36	-0.19	0.149
19.00	-63.78	-6.88	0.00	-604.48	0.00	604.48	5,049.66	2,524.83	8,853.21	4,433.19	0.40	-0.20	0.149
20.00	-63.35	-6.87	0.00	-597.60	0.00	597.60	5,026.07	2,513.04	8,770.23	4,391.63	0.44	-0.21	0.149
21.00	-62.93	-6.86	0.00	-590.73	0.00	590.73	5,002.49	2,501.25	8,687.64	4,350.28	0.49	-0.22	0.148
22.00	-62.51	-6.85	0.00	-583.87	0.00	583.87	4,978.91	2,489.45	8,605.44	4,309.12	0.53	-0.23	0.148
23.00	-62.09	-6.84	0.00	-577.02	0.00	577.02	4,955.32	2,477.66	8,523.63	4,268.15	0.58	-0.24	0.148
24.00	-61.67	-6.83	0.00	-570.18	0.00	570.18	4,931.74	2,465.87	8,442.22	4,227.38	0.64	-0.26	0.147
25.00	-61.26	-6.81	0.00	-563.35	0.00	563.35	4,908.15	2,454.08	8,361.19	4,186.81	0.69	-0.27	0.147
26.00	-60.84	-6.80	0.00	-556.54	0.00	556.54	4,884.57	2,442.28	8,280.56	4,146.43	0.75	-0.28	0.147
27.00	-60.43	-6.79	0.00	-549.74	0.00	549.74	4,860.98	2,430.49	8,200.31	4,106.25	0.81	-0.29	0.146
28.00	-60.02	-6.78	0.00	-542.95	0.00	542.95	4,837.40	2,418.70	8,120.46	4,066.26	0.87	-0.30	0.146
29.00	-59.60	-6.77	0.00	-536.17	0.00	536.17	4,813.81	2,406.91	8,040.99	4,026.47	0.93	-0.31	0.146
30.00	-59.19	-6.76	0.00	-529.40	0.00	529.40	4,790.23	2,395.11	7,961.92	3,986.88	1.00	-0.32	0.145
31.00	-58.79	-6.74	0.00	-522.65	0.00	522.65	4,766.64	2,383.32	7,883.24	3,947.48	1.07	-0.33	0.145
32.00	-58.38	-6.73	0.00	-515.90	0.00	515.90	4,743.06	2,371.53	7,804.95	3,908.28	1.14	-0.34	0.144
33.00	-57.97	-6.72	0.00	-509.17	0.00	509.17	4,719.48	2,359.74	7,727.05	3,869.27	1.21	-0.35	0.144
34.00	-57.57	-6.71	0.00	-502.45	0.00	502.45	4,695.89	2,347.95	7,649.54	3,830.45	1.29	-0.37	0.143
35.00	-57.17	-6.69	0.00	-495.75	0.00	495.75	4,672.31	2,336.15	7,572.42	3,791.84	1.36	-0.38	0.143
36.00	-56.77	-6.68	0.00	-489.05	0.00	489.05	4,648.72	2,324.36	7,495.69	3,753.42	1.44	-0.39	0.143
37.00	-56.37	-6.67	0.00	-482.37	0.00	482.37	4,625.14	2,312.57	7,419.35	3,715.19	1.53	-0.40	0.142
38.00	-55.97	-6.65	0.00	-475.71	0.00	475.71	4,601.55	2,300.78	7,343.41	3,677.16	1.61	-0.41	0.142
39.00	-55.57	-6.64	0.00	-469.05	0.00	469.05	4,577.97	2,288.98	7,267.85	3,639.33	1.70	-0.42	0.141
40.00	-55.18	-6.63	0.00	-462.41	0.00	462.41	4,554.38	2,277.19	7,192.68	3,601.69	1.79	-0.43	0.141
41.00	-54.78	-6.61	0.00	-455.79	0.00	455.79	4,530.80	2,265.40	7,117.91	3,564.25	1.88	-0.44	0.140
42.00	-54.39	-6.60	0.00	-449.18	0.00	449.18	4,507.21	2,253.61	7,043.53	3,527.00	1.98	-0.46	0.139
43.00	-54.00	-6.58	0.00	-442.58	0.00	442.58	4,483.63	2,241.81	6,969.53	3,489.95	2.07	-0.47	0.139
44.00	-53.61	-6.57	0.00	-436.00	0.00	436.00	4,460.04	2,230.02	6,895.93	3,453.09	2.17	-0.48	0.138
45.00	-53.22	-6.55	0.00	-429.43	0.00	429.43	4,436.46	2,218.23	6,822.72	3,416.43	2.27	-0.49	0.138
46.00	-52.84	-6.54	0.00	-422.87	0.00	422.87	4,412.88	2,206.44	6,749.90	3,379.97	2.38	-0.50	0.137
46.25	-52.74	-6.53	0.00	-421.24	0.00	421.24	4,406.98	2,203.49	6,731.76	3,370.88	2.40	-0.50	0.137
47.00	-52.26	-6.52	0.00	-416.34	0.00	416.34	4,389.29	2,194.65	6,677.47	3,343.70	2.48	-0.51	0.136
48.00	-51.63	-6.50	0.00	-409.82	0.00	409.82	4,365.71	2,182.85	6,605.43	3,307.63	2.59	-0.52	0.136
49.00	-51.00	-6.49	0.00	-403.31	0.00	403.31	4,342.12	2,171.06	6,533.78	3,271.75	2.70	-0.54	0.135

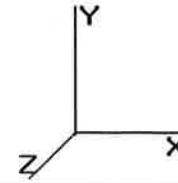




Pole : 310968  
 Location : WSPT-Westport Rebuild CT, CT  
 Height : 140.0 (ft)  
 Base Dia : 47.13 (in)  
 Top Dia : 20.50 (in)  
 Shape : 18 Sides  
 Taper : 0.200036 (in/ft)

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

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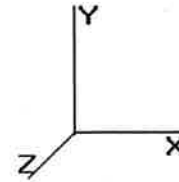
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

105.00	-22.85	-4.08	0.00	-83.74	0.00	83.74	1,068.74	534.37	1,200.66	601.22	12.31	-1.12	0.161
106.00	-22.68	-4.06	0.00	-79.66	0.00	79.66	1,064.12	532.06	1,186.66	594.21	12.55	-1.14	0.155
107.00	-22.52	-4.04	0.00	-75.61	0.00	75.61	1,059.46	529.73	1,172.69	587.21	12.79	-1.15	0.150
108.00	-22.35	-4.02	0.00	-71.57	0.00	71.57	1,054.75	527.38	1,158.74	580.23	13.03	-1.17	0.145
109.00	-22.19	-4.00	0.00	-67.54	0.00	67.54	1,050.00	525.00	1,144.81	573.26	13.28	-1.18	0.139
110.00	-17.24	-3.12	0.00	-63.54	0.00	63.54	1,045.19	522.60	1,130.92	566.30	13.53	-1.19	0.129
111.00	-17.09	-3.10	0.00	-60.42	0.00	60.42	1,040.34	520.17	1,117.05	559.36	13.78	-1.21	0.124
112.00	-16.95	-3.08	0.00	-57.31	0.00	57.31	1,035.44	517.72	1,103.21	552.43	14.03	-1.22	0.120
113.00	-16.80	-3.06	0.00	-54.23	0.00	54.23	1,030.50	515.25	1,089.41	545.51	14.29	-1.23	0.116
114.00	-16.65	-3.04	0.00	-51.17	0.00	51.17	1,025.50	512.75	1,075.63	538.62	14.55	-1.24	0.111
115.00	-16.51	-3.02	0.00	-48.13	0.00	48.13	1,020.46	510.23	1,061.89	531.74	14.81	-1.25	0.107
116.00	-16.36	-3.00	0.00	-45.10	0.00	45.10	1,015.38	507.69	1,048.19	524.87	15.07	-1.26	0.102
117.00	-16.22	-2.98	0.00	-42.10	0.00	42.10	1,010.24	505.12	1,034.52	518.03	15.34	-1.27	0.097
118.00	-16.08	-2.96	0.00	-39.12	0.00	39.12	1,005.06	502.53	1,020.89	511.20	15.61	-1.28	0.093
119.00	-15.94	-2.94	0.00	-36.15	0.00	36.15	999.83	499.91	1,007.29	504.39	15.88	-1.29	0.088
120.00	-12.08	-2.25	0.00	-33.21	0.00	33.21	994.55	497.27	993.73	497.61	16.15	-1.30	0.079
121.00	-11.95	-2.23	0.00	-30.96	0.00	30.96	989.22	494.61	980.22	490.84	16.42	-1.31	0.075
122.00	-11.82	-2.21	0.00	-28.72	0.00	28.72	983.85	491.93	966.75	484.09	16.70	-1.32	0.071
123.00	-11.69	-2.19	0.00	-26.51	0.00	26.51	978.43	489.22	953.32	477.37	16.98	-1.33	0.068
124.00	-11.56	-2.17	0.00	-24.32	0.00	24.32	972.96	486.48	939.93	470.66	17.25	-1.33	0.064
125.00	-11.44	-2.15	0.00	-22.15	0.00	22.15	967.45	483.72	926.59	463.98	17.53	-1.34	0.060
126.00	-11.31	-2.13	0.00	-20.00	0.00	20.00	961.89	480.94	913.29	457.32	17.82	-1.35	0.056
127.00	-11.19	-2.11	0.00	-17.87	0.00	17.87	956.28	478.14	900.04	450.69	18.10	-1.35	0.051
128.00	-11.06	-2.09	0.00	-15.76	0.00	15.76	950.62	475.31	886.85	444.08	18.38	-1.36	0.047
129.00	-10.94	-2.07	0.00	-13.68	0.00	13.68	944.92	472.46	873.70	437.50	18.67	-1.36	0.043
130.00	-5.88	-1.26	0.00	-11.61	0.00	11.61	939.16	469.58	860.60	430.94	18.95	-1.37	0.033
131.00	-5.77	-1.24	0.00	-10.35	0.00	10.35	933.36	466.68	847.55	424.41	19.24	-1.37	0.031
132.00	-5.65	-1.22	0.00	-9.11	0.00	9.11	927.52	463.76	834.56	417.90	19.53	-1.37	0.028
133.00	-5.54	-1.20	0.00	-7.89	0.00	7.89	921.62	460.81	821.62	411.42	19.82	-1.38	0.025
134.00	-5.43	-1.18	0.00	-6.70	0.00	6.70	915.68	457.84	808.74	404.97	20.11	-1.38	0.022
135.00	-5.33	-1.16	0.00	-5.52	0.00	5.52	909.69	454.85	795.92	398.55	20.39	-1.38	0.020
136.00	-5.22	-1.13	0.00	-4.37	0.00	4.37	903.66	451.83	783.15	392.16	20.68	-1.38	0.017
137.00	-5.11	-1.11	0.00	-3.23	0.00	3.23	897.57	448.79	770.44	385.79	20.97	-1.39	0.014
138.00	-0.20	-0.04	0.00	-0.06	0.00	0.06	891.44	445.72	757.80	379.46	21.26	-1.39	0.000
139.00	-0.10	-0.02	0.00	-0.02	0.00	0.02	885.26	442.63	745.21	373.16	21.56	-1.39	0.000
140.00	0.00	-0.02	0.00	0.00	0.00	0.00	879.04	439.52	732.69	366.89	21.85	-1.39	0.000

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

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

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

**Shaft Segment Forces (Factored)**

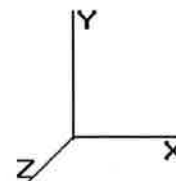
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.742	200.20	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	6.129	6.742	199.35	0.650	0.000	1.00	3.980	2.59	17.4	0.0	251.3
2.00		1.00	0.70	6.129	6.742	198.50	0.650	0.000	1.00	3.963	2.58	17.4	0.0	250.2
3.00		1.00	0.70	6.129	6.742	197.65	0.650	0.000	1.00	3.946	2.56	17.3	0.0	249.1
4.00		1.00	0.70	6.129	6.742	196.80	0.650	0.000	1.00	3.929	2.55	17.2	0.0	248.0
5.00		1.00	0.70	6.129	6.742	195.95	0.650	0.000	1.00	3.912	2.54	17.1	0.0	246.9
6.00		1.00	0.70	6.129	6.742	195.10	0.650	0.000	1.00	3.895	2.53	17.1	0.0	245.9
7.00		1.00	0.70	6.129	6.742	194.25	0.650	0.000	1.00	3.878	2.52	17.0	0.0	244.8
8.00		1.00	0.70	6.129	6.742	193.40	0.650	0.000	1.00	3.861	2.51	16.9	0.0	243.7
9.00		1.00	0.70	6.129	6.742	192.55	0.650	0.000	1.00	3.844	2.50	16.8	0.0	242.6
10.00		1.00	0.70	6.129	6.742	191.70	0.650	0.000	1.00	3.827	2.49	16.8	0.0	241.5
11.00		1.00	0.70	6.129	6.742	190.85	0.650	0.000	1.00	3.810	2.48	16.7	0.0	240.5
12.00		1.00	0.70	6.129	6.742	190.00	0.650	0.000	1.00	3.793	2.47	16.6	0.0	239.4
13.00		1.00	0.70	6.129	6.742	189.15	0.650	0.000	1.00	3.777	2.45	16.5	0.0	238.3
14.00		1.00	0.70	6.129	6.742	188.30	0.650	0.000	1.00	3.760	2.44	16.5	0.0	237.2
15.00		1.00	0.70	6.129	6.742	187.45	0.650	0.000	1.00	3.743	2.43	16.4	0.0	236.1
16.00		1.00	0.70	6.129	6.742	186.60	0.650	0.000	1.00	3.726	2.42	16.3	0.0	235.1
17.00		1.00	0.70	6.129	6.742	185.75	0.650	0.000	1.00	3.709	2.41	16.3	0.0	234.0
18.00		1.00	0.70	6.129	6.742	184.90	0.650	0.000	1.00	3.692	2.40	16.2	0.0	232.9
19.00		1.00	0.70	6.129	6.742	184.05	0.650	0.000	1.00	3.675	2.39	16.1	0.0	231.8
20.00		1.00	0.70	6.129	6.742	183.20	0.650	0.000	1.00	3.658	2.38	16.0	0.0	230.7
21.00		1.00	0.70	6.129	6.742	182.35	0.650	0.000	1.00	3.641	2.37	16.0	0.0	229.7
22.00		1.00	0.70	6.129	6.742	181.50	0.650	0.000	1.00	3.624	2.36	15.9	0.0	228.6
23.00		1.00	0.70	6.129	6.742	180.65	0.650	0.000	1.00	3.607	2.34	15.8	0.0	227.5
24.00		1.00	0.70	6.129	6.742	179.80	0.650	0.000	1.00	3.590	2.33	15.7	0.0	226.4
25.00		1.00	0.70	6.129	6.742	178.95	0.650	0.000	1.00	3.573	2.32	15.7	0.0	225.3
26.00		1.00	0.70	6.129	6.742	178.10	0.650	0.000	1.00	3.556	2.31	15.6	0.0	224.3
27.00		1.00	0.70	6.129	6.742	177.25	0.650	0.000	1.00	3.540	2.30	15.5	0.0	223.2
28.00		1.00	0.70	6.129	6.742	176.40	0.650	0.000	1.00	3.523	2.29	15.4	0.0	222.1
29.00		1.00	0.70	6.129	6.742	175.55	0.650	0.000	1.00	3.506	2.28	15.4	0.0	221.0
30.00		1.00	0.70	6.134	6.747	174.78	0.650	0.000	1.00	3.489	2.27	15.3	0.0	219.9
31.00		1.00	0.70	6.192	6.811	174.74	0.650	0.000	1.00	3.472	2.26	15.4	0.0	218.9
32.00		1.00	0.71	6.248	6.873	174.68	0.650	0.000	1.00	3.455	2.25	15.4	0.0	217.8
33.00		1.00	0.72	6.303	6.933	174.59	0.650	0.000	1.00	3.438	2.23	15.5	0.0	216.7
34.00		1.00	0.72	6.357	6.993	174.47	0.650	0.000	1.00	3.421	2.22	15.5	0.0	215.6
35.00		1.00	0.73	6.410	7.051	174.32	0.650	0.000	1.00	3.404	2.21	15.6	0.0	214.5
36.00		1.00	0.73	6.462	7.108	174.16	0.650	0.000	1.00	3.387	2.20	15.6	0.0	213.5
37.00		1.00	0.74	6.513	7.164	173.96	0.650	0.000	1.00	3.370	2.19	15.7	0.0	212.4
38.00		1.00	0.75	6.562	7.219	173.75	0.650	0.000	1.00	3.353	2.18	15.7	0.0	211.3
39.00		1.00	0.75	6.611	7.272	173.51	0.650	0.000	1.00	3.336	2.17	15.8	0.0	210.2
40.00		1.00	0.76	6.659	7.325	173.25	0.650	0.000	1.00	3.319	2.16	15.8	0.0	209.1
41.00		1.00	0.76	6.706	7.377	172.98	0.650	0.000	1.00	3.303	2.15	15.8	0.0	208.1
42.00		1.00	0.77	6.753	7.428	172.68	0.650	0.000	1.00	3.286	2.14	15.9	0.0	207.0
43.00		1.00	0.77	6.798	7.478	172.37	0.650	0.000	1.00	3.269	2.12	15.9	0.0	205.9
44.00		1.00	0.78	6.843	7.527	172.04	0.650	0.000	1.00	3.252	2.11	15.9	0.0	204.8
45.00		1.00	0.78	6.887	7.576	171.69	0.650	0.000	1.00	3.235	2.10	15.9	0.0	203.7
46.00		1.00	0.79	6.931	7.624	171.33	0.650	0.000	1.00	3.218	2.09	15.9	0.0	202.7
46.25	Bot - Section 2	1.00	0.79	6.941	7.635	171.23	0.650	0.000	0.25	0.802	0.52	4.0	0.0	50.5
47.00		1.00	0.79	6.973	7.671	170.95	0.650	0.000	0.75	2.463	1.60	12.3	0.0	306.2
48.00		1.00	0.80	7.015	7.717	170.55	0.650	0.000	1.00	3.269	2.12	16.4	0.0	406.4
49.00		1.00	0.80	7.057	7.763	170.14	0.650	0.000	1.00	3.252	2.11	16.4	0.0	404.2



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

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

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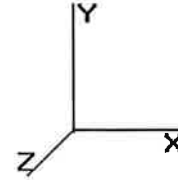
<b>Load Case:</b> 1.0D + 1.0W	<b>60.00 mph Serviceability</b>	<b>28 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

105.0		1.00	1.00	8.774	9.651	139.77	0.650	0.000	1.00	2.336	1.52	14.7	0.0	55.5
106.0		1.00	1.00	8.797	9.677	138.94	0.650	0.000	1.00	2.319	1.51	14.6	0.0	55.1
107.0		1.00	1.00	8.821	9.703	138.11	0.650	0.000	1.00	2.302	1.50	14.5	0.0	54.7
108.0		1.00	1.01	8.845	9.729	137.27	0.650	0.000	1.00	2.285	1.49	14.4	0.0	54.3
109.0		1.00	1.01	8.868	9.755	136.43	0.650	0.000	1.00	2.268	1.47	14.4	0.0	53.9
110.0	Appertunance(s)	1.00	1.01	8.891	9.780	135.58	0.650	0.000	1.00	2.251	1.46	14.3	0.0	53.5
111.0		1.00	1.01	8.914	9.805	134.74	0.650	0.000	1.00	2.234	1.45	14.2	0.0	53.1
112.0		1.00	1.02	8.937	9.831	133.88	0.650	0.000	1.00	2.217	1.44	14.2	0.0	52.7
113.0		1.00	1.02	8.960	9.856	133.02	0.650	0.000	1.00	2.200	1.43	14.1	0.0	52.3
114.0		1.00	1.02	8.982	9.880	132.16	0.650	0.000	1.00	2.183	1.42	14.0	0.0	51.9
115.0		1.00	1.02	9.005	9.905	131.30	0.650	0.000	1.00	2.166	1.41	13.9	0.0	51.5
116.0		1.00	1.03	9.027	9.930	130.43	0.650	0.000	1.00	2.149	1.40	13.9	0.0	51.1
117.0		1.00	1.03	9.049	9.954	129.56	0.650	0.000	1.00	2.132	1.39	13.8	0.0	50.7
118.0		1.00	1.03	9.071	9.978	128.68	0.650	0.000	1.00	2.116	1.38	13.7	0.0	50.2
119.0		1.00	1.03	9.093	10.00	127.80	0.650	0.000	1.00	2.099	1.36	13.6	0.0	49.8
120.0	Appertunance(s)	1.00	1.04	9.115	10.02	126.92	0.650	0.000	1.00	2.082	1.35	13.6	0.0	49.4
121.0		1.00	1.04	9.136	10.05	126.03	0.650	0.000	1.00	2.065	1.34	13.5	0.0	49.0
122.0		1.00	1.04	9.158	10.07	125.14	0.650	0.000	1.00	2.048	1.33	13.4	0.0	48.6
123.0		1.00	1.04	9.179	10.09	124.25	0.650	0.000	1.00	2.031	1.32	13.3	0.0	48.2
124.0		1.00	1.05	9.201	10.12	123.35	0.650	0.000	1.00	2.014	1.31	13.2	0.0	47.8
125.0		1.00	1.05	9.222	10.14	122.45	0.650	0.000	1.00	1.997	1.30	13.2	0.0	47.4
126.0		1.00	1.05	9.243	10.16	121.54	0.650	0.000	1.00	1.980	1.29	13.1	0.0	47.0
127.0		1.00	1.05	9.264	10.19	120.64	0.650	0.000	1.00	1.963	1.28	13.0	0.0	46.6
128.0		1.00	1.06	9.284	10.21	119.73	0.650	0.000	1.00	1.946	1.27	12.9	0.0	46.2
129.0		1.00	1.06	9.305	10.23	118.81	0.650	0.000	1.00	1.929	1.25	12.8	0.0	45.8
130.0	Appertunance(s)	1.00	1.06	9.326	10.25	117.90	0.650	0.000	1.00	1.912	1.24	12.8	0.0	45.4
131.0		1.00	1.06	9.346	10.28	116.98	0.650	0.000	1.00	1.895	1.23	12.7	0.0	45.0
132.0		1.00	1.07	9.366	10.30	116.05	0.650	0.000	1.00	1.879	1.22	12.6	0.0	44.6
133.0		1.00	1.07	9.387	10.32	115.13	0.650	0.000	1.00	1.862	1.21	12.5	0.0	44.2
134.0		1.00	1.07	9.407	10.34	114.20	0.650	0.000	1.00	1.845	1.20	12.4	0.0	43.8
135.0		1.00	1.07	9.427	10.36	113.26	0.650	0.000	1.00	1.828	1.19	12.3	0.0	43.4
136.0		1.00	1.07	9.447	10.39	112.33	0.650	0.000	1.00	1.811	1.18	12.2	0.0	43.0
137.0		1.00	1.08	9.466	10.41	111.39	0.650	0.000	1.00	1.794	1.17	12.1	0.0	42.6
138.0	Appertunance(s)	1.00	1.08	9.486	10.43	110.45	0.650	0.000	1.00	1.777	1.16	12.1	0.0	42.1
139.0		1.00	1.08	9.506	10.45	109.50	0.650	0.000	1.00	1.760	1.14	12.0	0.0	41.7
140.0		1.00	1.08	9.525	10.47	108.56	0.650	0.000	1.00	1.743	1.13	11.9	0.0	41.3
<b>Totals:</b>									<b>140.00</b>		<b>2,141.5</b>	<b>0.0</b>	<b>22,952.4</b>	

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

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

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

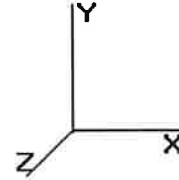
**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Ericsson AIR 21, 1.3	3	8.315	9.146	0.86	0.80	12.49	0.000	0.000	114.21	0.00	0.00	249.00
87.00	Ericsson AIR 21, 1.3	3	8.315	9.146	0.85	0.80	12.42	0.000	0.000	113.63	0.00	0.00	244.50
87.00	Flat Low Profile Pla	1	8.315	9.146	1.00	1.00	26.10	0.000	0.000	238.71	0.00	0.00	1,500.00
87.00	RFS ATMAP1412D-	3	8.315	9.146	0.50	0.80	1.40	0.000	0.000	12.84	0.00	0.00	39.00
100.0	Ericsson RRUS 11 (Ba	6	8.652	9.517	0.67	0.80	8.10	0.000	0.000	77.13	0.00	0.00	330.00
100.0	Powerwave 7770.00	6	8.652	9.517	0.77	0.80	20.36	0.000	0.000	193.82	0.00	0.00	210.00
100.0	Powerwave LGP21401	6	8.652	9.517	0.50	0.80	2.64	0.000	0.000	25.13	0.00	0.00	84.60
100.0	Powerwave LGP21901	6	8.652	9.517	0.50	0.80	0.55	0.000	0.000	5.25	0.00	0.00	33.00
100.0	Powerwave P65-16-	3	8.652	9.517	0.79	0.80	15.41	0.000	0.000	146.71	0.00	0.00	159.00
100.0	Raycap DC6-48-60-18-	1	8.652	9.517	1.00	0.80	1.02	0.000	0.000	9.75	0.00	0.00	31.80
100.0	Round Low Profile PI	1	8.652	9.517	1.00	1.00	21.70	0.000	0.000	206.53	0.00	0.00	1,500.00
110.0	Alcatel-Lucent RRH2x	3	8.891	9.780	0.67	0.80	3.47	0.000	0.000	33.97	0.00	0.00	132.00
110.0	Antel BXA-171063-8BF	3	8.891	9.780	0.87	0.80	6.14	0.000	0.000	60.04	0.00	0.00	31.50
110.0	Antel BXA-171063/12C	3	8.891	9.780	0.88	0.80	10.12	0.000	0.000	98.94	0.00	0.00	45.00
110.0	Antel BXA-70063/6CF	1	8.891	9.780	1.00	0.80	6.06	0.000	0.000	59.31	0.00	0.00	17.00
110.0	Antel BXA-70080/6CF	3	8.891	9.780	0.88	0.80	12.33	0.000	0.000	120.63	0.00	0.00	54.24
110.0	Diamond X50A	2	8.891	9.780	1.00	0.80	1.79	0.000	0.000	17.53	0.00	0.00	4.60
110.0	Flat Low Profile Pla	1	8.891	9.780	1.00	1.00	26.10	0.000	0.000	255.26	0.00	0.00	1,500.00
110.0	Powerwave P65-16-	2	8.891	9.780	0.81	0.80	10.54	0.000	0.000	103.05	0.00	0.00	66.00
110.0	RFS DB-T1-6Z-8AB-0Z	1	8.891	9.780	0.67	0.80	2.57	0.000	0.000	25.16	0.00	0.00	44.00
110.0	RFS FD9R6004/2C-3L	6	8.891	9.780	0.50	0.80	0.89	0.000	0.000	8.68	0.00	0.00	15.60
120.0	48" x 8" Panels	12	9.115	10.026	0.90	0.80	31.19	0.000	0.000	312.72	0.00	0.00	168.00
120.0	Flat Low Profile Pla	1	9.115	10.026	1.00	1.00	26.10	0.000	0.000	261.69	0.00	0.00	1,500.00
130.0	Alcatel-Lucent 4x40W	3	9.284	10.213	0.67	0.80	5.29	0.000	-2.000	54.03	0.00	-108.06	273.00
130.0	Alcatel-Lucent 800 M	3	9.284	10.213	0.67	0.80	3.31	0.000	-2.000	33.83	0.00	-67.66	192.00
130.0	Decibel DB980F650E-	6	9.326	10.258	0.81	0.80	14.58	0.000	0.000	149.57	0.00	0.00	57.00
130.0	Flat Low Profile Pla	1	9.326	10.258	1.00	1.00	26.10	0.000	0.000	267.74	0.00	0.00	1,500.00
130.0	RFS APXVSP18-C-	3	9.326	10.258	0.83	0.80	15.98	0.000	0.000	163.88	0.00	0.00	171.00
138.0	6' Dipole	1	9.564	10.520	1.00	0.75	1.66	0.000	4.000	17.52	0.00	70.07	20.00
138.0	6' FM Antenna	1	9.583	10.541	1.00	1.00	13.45	0.000	5.000	141.78	0.00	708.91	30.00
138.0	6' Omni	2	9.564	10.520	1.00	0.75	2.64	0.000	4.000	27.77	0.00	111.09	50.00
138.0	8' Omni	3	9.602	10.562	1.00	0.75	5.40	0.000	6.000	57.04	0.00	342.22	120.00
138.0	8' Omni	2	9.564	10.520	1.00	0.75	3.60	0.000	4.000	37.87	0.00	151.49	80.00
138.0	8' Omni (inverted)	1	9.407	10.347	1.00	0.75	1.80	0.000	-4.000	18.63	0.00	-74.50	40.00
138.0	Andrew VHLP2.5-10W	1	9.545	10.499	1.00	1.00	8.43	0.000	3.000	88.51	0.00	265.52	47.60
138.0	Decibel DB589	1	9.617	10.579	1.00	1.00	1.38	0.000	6.800	14.60	0.00	99.27	11.50
138.0	Flat Platform w/ Han	1	9.486	10.435	1.00	1.00	42.40	0.000	0.000	442.43	0.00	0.00	2,000.00
										<b>4,015.87</b>			<b>12,550.94</b>

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

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

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

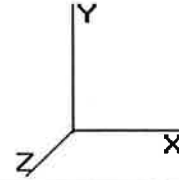
**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	17.44	251.26	0.00	0.00
2.00	17.36	250.18	0.00	0.00
3.00	17.29	249.10	0.00	0.00
4.00	17.22	248.02	0.00	0.00
5.00	17.14	246.94	0.00	0.00
6.00	17.07	300.27	0.00	0.00
7.00	16.99	299.18	0.00	0.00
8.00	16.92	298.10	0.00	0.00
9.00	16.85	297.02	0.00	0.00
10.00	16.77	295.94	0.00	0.00
11.00	16.70	294.86	0.00	0.00
12.00	16.62	293.78	0.00	0.00
13.00	16.55	292.70	0.00	0.00
14.00	16.47	291.62	0.00	0.00
15.00	16.40	290.54	0.00	0.00
16.00	16.33	289.46	0.00	0.00
17.00	16.25	288.38	0.00	0.00
18.00	16.18	287.30	0.00	0.00
19.00	16.10	286.22	0.00	0.00
20.00	16.03	285.14	0.00	0.00
21.00	15.96	284.06	0.00	0.00
22.00	15.88	282.98	0.00	0.00
23.00	15.81	281.90	0.00	0.00
24.00	15.73	280.82	0.00	0.00
25.00	15.66	279.74	0.00	0.00
26.00	15.58	278.66	0.00	0.00
27.00	15.51	277.58	0.00	0.00
28.00	15.44	276.50	0.00	0.00
29.00	15.36	275.42	0.00	0.00
30.00	15.30	274.34	0.00	0.00
31.00	15.37	273.26	0.00	0.00
32.00	15.43	272.18	0.00	0.00
33.00	15.49	271.10	0.00	0.00
34.00	15.55	270.02	0.00	0.00
35.00	15.60	268.94	0.00	0.00
36.00	15.65	267.86	0.00	0.00
37.00	15.69	266.78	0.00	0.00
38.00	15.73	265.70	0.00	0.00
39.00	15.77	264.62	0.00	0.00
40.00	15.81	263.54	0.00	0.00
41.00	15.84	262.46	0.00	0.00
42.00	15.86	261.38	0.00	0.00
43.00	15.89	260.30	0.00	0.00
44.00	15.91	259.22	0.00	0.00
45.00	15.93	258.14	0.00	0.00
46.00	15.95	257.06	0.00	0.00
46.25	3.98	64.10	0.00	0.00
47.00	12.28	347.01	0.00	0.00
48.00	16.40	460.79	0.00	0.00

Pole : 310968  
 Location : WSPT-Westport Rebuild CT, CT  
 Height : 140.0 (ft)  
 Base Dia : 47.13 (in)  
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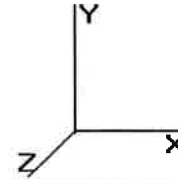
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

49.00	16.41	458.63	0.00	0.00
50.00	16.42	456.47	0.00	0.00
51.00	16.42	454.31	0.00	0.00
52.00	16.43	255.98	0.00	0.00
53.00	16.43	254.90	0.00	0.00
54.00	16.43	253.82	0.00	0.00
55.00	16.43	252.74	0.00	0.00
56.00	16.42	251.66	0.00	0.00
57.00	16.42	250.58	0.00	0.00
58.00	16.41	249.49	0.00	0.00
59.00	16.40	248.41	0.00	0.00
60.00	16.39	247.33	0.00	0.00
61.00	16.38	246.25	0.00	0.00
62.00	16.36	245.17	0.00	0.00
63.00	16.34	244.09	0.00	0.00
64.00	16.33	243.01	0.00	0.00
65.00	16.31	241.93	0.00	0.00
66.00	16.28	240.85	0.00	0.00
67.00	16.26	239.77	0.00	0.00
68.00	16.24	238.69	0.00	0.00
69.00	16.21	237.61	0.00	0.00
70.00	16.18	236.53	0.00	0.00
71.00	16.15	235.45	0.00	0.00
72.00	16.12	234.37	0.00	0.00
73.00	16.09	233.29	0.00	0.00
74.00	16.06	232.21	0.00	0.00
75.00	16.02	231.13	0.00	0.00
76.00	15.99	230.05	0.00	0.00
77.00	15.95	228.97	0.00	0.00
78.00	15.91	227.89	0.00	0.00
79.00	15.87	226.81	0.00	0.00
80.00	15.83	225.73	0.00	0.00
81.00	15.79	224.65	0.00	0.00
82.00	15.74	223.57	0.00	0.00
83.00	15.70	222.49	0.00	0.00
84.00	15.65	221.41	0.00	0.00
85.00	15.60	220.33	0.00	0.00
86.00	15.56	219.25	0.00	0.00
87.00	494.90	2,250.67	0.00	0.00
88.00	15.46	206.25	0.00	0.00
89.00	15.41	205.17	0.00	0.00
90.00	15.35	204.09	0.00	0.00
91.00	15.30	203.01	0.00	0.00
92.00	15.25	201.93	0.00	0.00
93.00	15.19	200.85	0.00	0.00
93.50	7.57	100.02	0.00	0.00
94.00	7.65	129.68	0.00	0.00
95.00	15.27	258.25	0.00	0.00
96.00	15.21	256.77	0.00	0.00
97.00	15.15	255.28	0.00	0.00
97.25	3.78	63.59	0.00	0.00
98.00	11.31	76.40	0.00	0.00
99.00	15.03	101.51	0.00	0.00
100.0	679.28	2,449.50	0.00	0.00
101.0	14.91	89.77	0.00	0.00
102.0	14.85	89.37	0.00	0.00
103.0	14.78	88.96	0.00	0.00

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

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

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

104.0	14.72	88.56	0.00	0.00
105.0	14.65	88.15	0.00	0.00
106.0	14.58	87.75	0.00	0.00
107.0	14.52	87.34	0.00	0.00
108.0	14.45	86.93	0.00	0.00
109.0	14.38	86.53	0.00	0.00
110.0	796.87	1,996.06	0.00	0.00
111.0	14.24	74.28	0.00	0.00
112.0	14.17	73.88	0.00	0.00
113.0	14.09	73.47	0.00	0.00
114.0	14.02	73.07	0.00	0.00
115.0	13.95	72.66	0.00	0.00
116.0	13.87	72.26	0.00	0.00
117.0	13.80	71.85	0.00	0.00
118.0	13.72	71.45	0.00	0.00
119.0	13.64	71.04	0.00	0.00
120.0	587.98	1,738.64	0.00	0.00
121.0	13.49	62.67	0.00	0.00
122.0	13.41	62.27	0.00	0.00
123.0	13.33	61.86	0.00	0.00
124.0	13.25	61.46	0.00	0.00
125.0	13.17	61.05	0.00	0.00
126.0	13.09	60.65	0.00	0.00
127.0	13.00	60.24	0.00	0.00
128.0	12.92	59.84	0.00	0.00
129.0	12.84	59.43	0.00	0.00
130.0	681.80	2,252.03	0.00	-175.72
131.0	12.67	50.70	0.00	0.00
132.0	12.58	50.30	0.00	0.00
133.0	12.49	49.89	0.00	0.00
134.0	12.41	49.49	0.00	0.00
135.0	12.32	49.08	0.00	0.00
136.0	12.23	48.68	0.00	0.00
137.0	12.14	48.27	0.00	0.00
138.0	858.20	2,446.96	0.00	1,674.07
139.0	11.96	41.74	0.00	0.00
140.0	11.87	41.34	0.00	0.00
<b>Totals:</b>	<b>6,157.41</b>	<b>41,251.26</b>	<b>0.00</b>	<b>1,498.36</b>



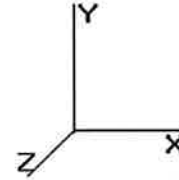




Pole : 310968  
 Location : WSPT-Westport Rebuild CT, CT  
 Height : 140.0 (ft)  
 Base Dia : 47.13 (in)  
 Top Dia : 20.50 (in)  
 Shape : 18 Sides  
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Code: ANSI/TIA-222 Rev G  
 Struct Class : II  
 Exposure Category : B  
 Topographic Category : 1  
 Base Elev : 0.000 (ft)

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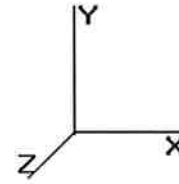
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

105.00	-10.36	-3.51	0.00	-70.77	0.00	70.77	1,068.74	534.37	1,200.66	601.22	10.60	-0.96	0.127
106.00	-10.27	-3.50	0.00	-67.26	0.00	67.26	1,064.12	532.06	1,186.66	594.21	10.80	-0.98	0.123
107.00	-10.18	-3.48	0.00	-63.76	0.00	63.76	1,059.46	529.73	1,172.69	587.21	11.01	-0.99	0.118
108.00	-10.09	-3.47	0.00	-60.27	0.00	60.27	1,054.75	527.38	1,158.74	580.23	11.22	-1.00	0.113
109.00	-10.01	-3.46	0.00	-56.80	0.00	56.80	1,050.00	525.00	1,144.81	573.26	11.43	-1.01	0.109
110.00	-8.02	-2.63	0.00	-53.35	0.00	53.35	1,045.19	522.60	1,130.92	566.30	11.64	-1.02	0.102
111.00	-7.95	-2.61	0.00	-50.72	0.00	50.72	1,040.34	520.17	1,117.05	559.36	11.86	-1.03	0.098
112.00	-7.88	-2.60	0.00	-48.11	0.00	48.11	1,035.44	517.72	1,103.21	552.43	12.07	-1.04	0.095
113.00	-7.80	-2.58	0.00	-45.51	0.00	45.51	1,030.50	515.25	1,089.41	545.51	12.29	-1.05	0.091
114.00	-7.73	-2.57	0.00	-42.93	0.00	42.93	1,025.50	512.75	1,075.63	538.62	12.51	-1.06	0.087
115.00	-7.66	-2.56	0.00	-40.36	0.00	40.36	1,020.46	510.23	1,061.89	531.74	12.74	-1.07	0.083
116.00	-7.58	-2.54	0.00	-37.80	0.00	37.80	1,015.38	507.69	1,048.19	524.87	12.96	-1.08	0.080
117.00	-7.51	-2.53	0.00	-35.26	0.00	35.26	1,010.24	505.12	1,034.52	518.03	13.19	-1.09	0.076
118.00	-7.44	-2.51	0.00	-32.73	0.00	32.73	1,005.06	502.53	1,020.89	511.20	13.42	-1.10	0.071
119.00	-7.37	-2.50	0.00	-30.22	0.00	30.22	999.83	499.91	1,007.29	504.39	13.65	-1.11	0.067
120.00	-5.64	-1.88	0.00	-27.72	0.00	27.72	994.55	497.27	993.73	497.61	13.89	-1.12	0.061
121.00	-5.58	-1.86	0.00	-25.84	0.00	25.84	989.22	494.61	980.22	490.84	14.12	-1.12	0.058
122.00	-5.52	-1.85	0.00	-23.97	0.00	23.97	983.85	491.93	966.75	484.09	14.36	-1.13	0.055
123.00	-5.46	-1.84	0.00	-22.12	0.00	22.12	978.43	489.22	953.32	477.37	14.59	-1.14	0.052
124.00	-5.39	-1.82	0.00	-20.29	0.00	20.29	972.96	486.48	939.93	470.66	14.83	-1.14	0.049
125.00	-5.33	-1.81	0.00	-18.46	0.00	18.46	967.45	483.72	926.59	463.98	15.07	-1.15	0.045
126.00	-5.27	-1.80	0.00	-16.65	0.00	16.65	961.89	480.94	913.29	457.32	15.31	-1.15	0.042
127.00	-5.21	-1.78	0.00	-14.86	0.00	14.86	956.28	478.14	900.04	450.69	15.55	-1.16	0.038
128.00	-5.15	-1.77	0.00	-13.08	0.00	13.08	950.62	475.31	886.85	444.08	15.80	-1.16	0.035
129.00	-5.09	-1.75	0.00	-11.31	0.00	11.31	944.92	472.46	873.70	437.50	16.04	-1.17	0.031
130.00	-2.86	-1.03	0.00	-9.55	0.00	9.55	939.16	469.58	860.60	430.94	16.29	-1.17	0.025
131.00	-2.81	-1.01	0.00	-8.53	0.00	8.53	933.36	466.68	847.55	424.41	16.53	-1.17	0.023
132.00	-2.76	-1.00	0.00	-7.51	0.00	7.51	927.52	463.76	834.56	417.90	16.78	-1.17	0.021
133.00	-2.71	-0.99	0.00	-6.51	0.00	6.51	921.62	460.81	821.62	411.42	17.02	-1.18	0.019
134.00	-2.66	-0.97	0.00	-5.53	0.00	5.53	915.68	457.84	808.74	404.97	17.27	-1.18	0.017
135.00	-2.61	-0.96	0.00	-4.55	0.00	4.55	909.69	454.85	795.92	398.55	17.52	-1.18	0.014
136.00	-2.56	-0.95	0.00	-3.59	0.00	3.59	903.66	451.83	783.15	392.16	17.76	-1.18	0.012
137.00	-2.51	-0.93	0.00	-2.65	0.00	2.65	897.57	448.79	770.44	385.79	18.01	-1.18	0.010
138.00	-0.08	-0.03	0.00	-0.04	0.00	0.04	891.44	445.72	757.80	379.46	18.26	-1.19	0.000
139.00	-0.04	-0.01	0.00	-0.01	0.00	0.01	885.26	442.63	745.21	373.16	18.51	-1.19	0.000
140.00	0.00	-0.01	0.00	0.00	0.00	0.00	879.04	439.52	732.69	366.89	18.76	-1.19	0.000

Pole : 310968  
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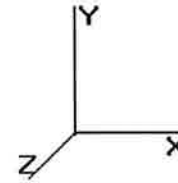
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### Analysis Summary

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	33.13	0.00	49.49	0.00	0.00	3440.13	97.25	0.84
0.9D + 1.6W	33.13	0.00	37.11	0.00	0.00	3401.59	97.25	0.83
1.2D + 1.0Di + 1.0Wi	7.09	0.00	71.66	0.00	0.00	737.36	97.25	0.21
1.0D + 1.0W	6.16	0.00	41.25	0.00	0.00	635.72	97.25	0.17

Pole : 310968  
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## Base Summary

### Reactions

Original Design			Analysis			
Moment (kip-ft)	Axial (kip)	Shear (kip)	Moment (kip-ft)	Axial (kip)	Shear (kip)	Moment Design %
3,550.00	37.00	35.00	3,440.13	71.66	33.13	71.78

### Base Plate

Yield (ksi)	Thick (in)	Width (in)	Style	Poly Sides	Clip Len (in)	Effective Len (in)	Mu (kip-in)	Phi Mn (kip-in)	Ratio
50.0	3.250	54.000	Clipped	0	12.00	9.349	450.16	1110.93	0.41

### Anchor Bolts

Bolt Circle	Num Bolts	Bolt Type	Bolt Dia (in)	Yield (ksi)	Ultimate (ksi)	Cluster Arrange	Cluster Dist (in)	Start Angle (deg)	Compression			Tension		
									Force (kip)	Allow (kip)	Ratio	Force (kip)	Allow (kip)	Ratio
54.00	16	2.25" 18J	2.25	75.00	100.00	Clustered	6.00	45.0	195.60	260.00	0.77	186.64	260.00	0.73