



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

January 3, 2012

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103

RE: **EM-VER-158-111214** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Bayberry Lane, Westport, Connecticut.

Dear Attorney Baldwin:

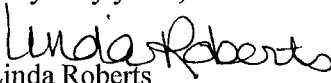
The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Not less than 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated December 14, 2011. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,


Linda Roberts

Executive Director

LR/CDM/laf

c: The Honorable Gordon F. Joseloff, First Selectman, Town of Westport
Laurence Bradley, Director, Planning & Zoning, Town of Westport
American Tower Corporation



STATE OF CONNECTICUT

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Ten Franklin Square, New Britain, CT 06051

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E-Mail: siting.council@ct.gov

www.ct.gov/csc

December 19, 2011

The Honorable Gordon F. Joseloff
First Selectman
Town of Westport
Town Hall
110 Myrtle Avenue
Westport, CT 06880

RE: **EM-VER-158-111214** - Cellco Partnership d/b/a Verizon Wireless; notice of intent to modify an existing telecommunications facility located at Bayberry Lane, Westport, Connecticut.

Dear First Selectman Joseloff:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

If you have any questions or comments regarding this proposal, please call me or inform the Council by January 3, 2012.

Thank you for your cooperation and consideration.

Very truly yours,

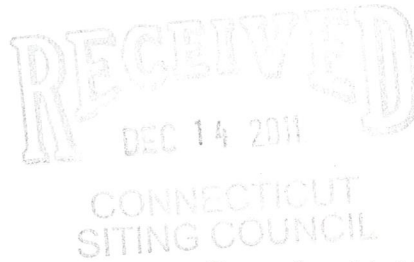
Linda Roberts
Executive Director

LR/jbw

Enclosure: Notice of Intent

c: Laurence Bradley, Director, Planning & Zoning, Town of Westport

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



December 14, 2011

Via Hand Delivery

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

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

Dear Ms. Roberts:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains twelve (12) wireless telecommunications antennas at the 76-foot level on the existing 140-foot tower at the above-referenced address. The tower is owned by American Tower Corporation. The Council approved Cellco’s use of the existing tower in 1998. Cellco antennas were relocated onto a new tower after it was rebuilt and extended to a height of 140 feet in 2004 (Docket No. 278). Cellco now intends to modify its installation by replacing its existing antennas with two (2) model LPA-80063/6CF cellular antennas; four (4) model APL-686013-42T0 cellular antennas; three (3) model BXA-171063/8BF PCS antennas; one (1) model BXA-70063/6CF LTE antenna; and two (2) model P65-16-XL-2 LTE antennas. All new Cellco antennas will be relocated to the 110-foot level on the tower. Cellco also intends to install six (6) coax cable diplexers on its antenna platform. Attached behind Tab 1 are the specifications for the proposed replacement antennas and cable diplexers.

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 Gordon F. Joseloff, First Selectman for the Town of Westport. The Town of Westport is the owner of the property on which the tower is located.

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



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Linda Roberts
December 14, 2011
Page 2

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's relocated antennas and diplexers will be located at the 110-foot level on the existing 140-foot tower.
2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundaries.
3. The proposed modifications will not increase noise levels at the site by six decibels or more.
4. The operation of the replacement antennas will not increase radio frequency (RF) power density levels at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard. A Calculated Radio Frequency Emissions report for Cellco's modified facility is included behind Tab 2.

Also attached is a Structural Analysis Report confirming that the tower and foundation can support Cellco's proposed modification. (See Tab 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:

Gordon F. Joseloff, Westport First Selectman
Sandy M. Carter





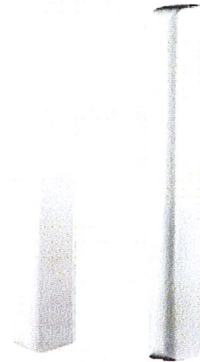
Maximizer® Log Periodic Antenna, 806-894, 80deg, 14.1dBi, 1.2m, FET, 0deg

Product Description

The Celwave® Maximizer series is a log periodic dipole array which uses a patented design to achieve a front-to-back ratio of 45 dB, the highest front-to-back ratio in the industry. Maximizers are available to cover ESMR, AMPS, PCS and DCS frequency ranges. They use RFS's patented monolithic CELLite® technology, which eliminates cable and soldered joints to reduce the possibility of inter-modulation products. The CELLite technology assures high reliability and excellent repeatability of electrical characteristics. The cellular Maximizers are available in 65°, 80° and 90° horizontal beamwidths and the PCS/DCS Maximizers are available in 65° and 90° horizontal beamwidths. Patent number 6,133,889.

Features/Benefits

- 45 dB front-to-back ratio reduces co-channel interference.
- Monolithic construction reduces IM.
- No solder joints, high reliability.
- Surface treated components prevent galvanic corrosion.
- UV stabilized radome assures long life without radome deterioration due to UV exposure.



Technical Specifications

Electrical Specifications

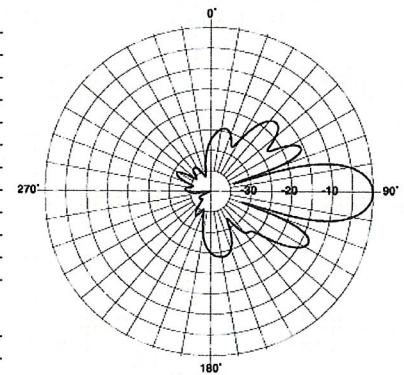
Frequency Range, MHz	806-894
Horizontal Beamwidth, deg	80
Vertical Beamwidth, deg	15
Electrical Downtilt, deg	0
Gain, dBi (dBd)	14.1 (12)
Front-To-Back Ratio, dB	45
Polarization	Vertical
VSWR	< 1.5:1
Impedance, Ohms	50
Maximum Power Input, W	500
Lightning Protection	Direct Ground
Connector Type	7-16 DIN Female

Mechanical Specifications

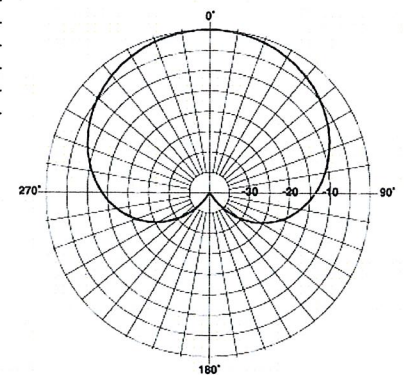
Dimensions - HxWxD, mm (in)	1219 x 152 x 203 (48 x 6 x 8)
Weight w/o Mtg Hardware, kg (lb)	2.8 (6.32)
Survival Wind Speed, km/h (mph)	200 (125)
Rated Wind Speed, km/h (mph)	200 (125)
Max Wind Loading Area, m ² (ft ²)	0.307 (3.3)
Maximum Thrust @ Rated Wind, N (lbf)	916 (206)
Wind Load - Side @ Rated Wind, N (lbf)	743 (167)
Radome Material	UV Stabilized High Impact ABS
Shipping Weight, kg (lb)	7.9 (17.5)
Packing Dimensions, HxWxD, mm (in)	1270 x 305 x 203 (50 x 12 x 8)

Ordering Information

Mounting Hardware	APM21-3
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Vertical Pattern



Horizontal Pattern

Other Documentation

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

BXA-171063-8BF-EDIN-X

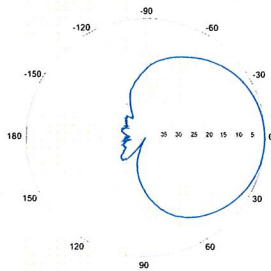
Replace "X" with desired electrical downtilt.

X-Pol | FET Panel | 63° | 17.4 dBi

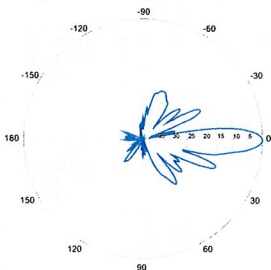
Electrical Characteristics	1710-2170 MHz		
Frequency bands	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Polarization	±45°	±45°	±45°
Horizontal beamwidth	68°	65°	60°
Vertical beamwidth	7°	7°	7°
Gain	14.5 dBd / 16.6 dBi	14.9 dBd / 17.0 dBi	15.3 dBd / 17.4 dBi
Electrical downtilt (X)	0, 2, 4, 8		
Impedance	50Ω		
VSWR	≤1.5:1		
First upper sidelobe	< -17 dB		
Front-to-back isolation	> 30 dB		
In-band isolation	> 28 dB		
IM3 (20W carrier)	< -150 dBc		
Input power	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN / Female / Bottom		
Operating temperature	-40° to +60° C / -40° to +140° F		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1232 x 154 x 105 mm		48.5 x 6.1 x 4.1 in
Depth with t-brackets	133 mm		5.2 in
Weight without mounting brackets	4.8 kg		10.5 lbs
Survival wind speed	296 km/hr		184 mph
Wind area	Front: 0.19 m ² Side: 0.14 m ²	Front: 2.0 ft ² Side: 1.5 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 281 N Side: 223 N	Front: 63 lbf Side: 50 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-171063-8BF-EDIN-X-FP		



BXA-171063-8BF-EDIN-X

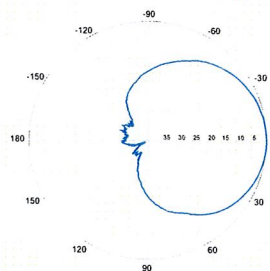


Horizontal | 1710-1880 MHz
BXA-171063-8BF-EDIN-0

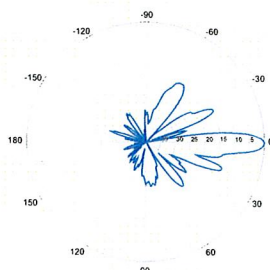


0° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-X

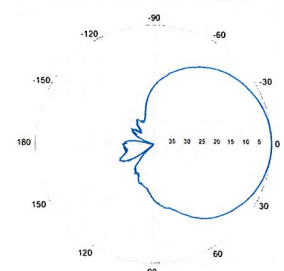


Horizontal | 1850-1990 MHz
BXA-171063-8BF-EDIN-0

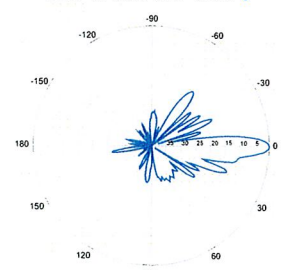


0° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-X



Horizontal | 1920-2170 MHz
BXA-171063-8BF-EDIN-0



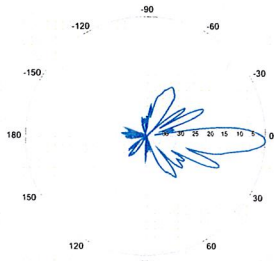
0° | Vertical | 1920-2170 MHz

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-171063-8BF-EDIN-X

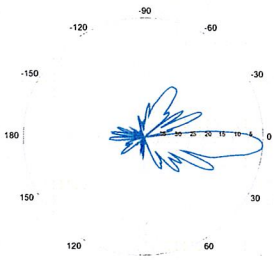
X-Pol | FET Panel | 63° | 17.4 dBi

BXA-171063-8BF-EDIN-2



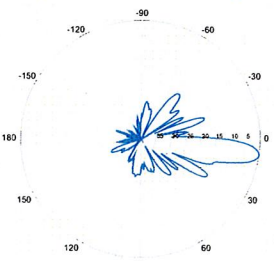
2° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-4



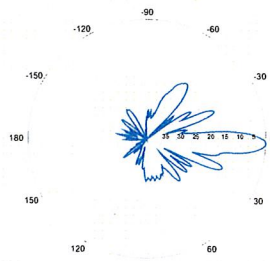
4° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-8



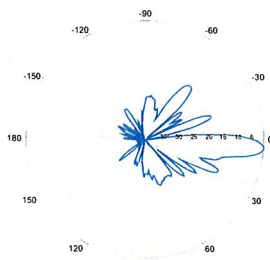
8° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-2



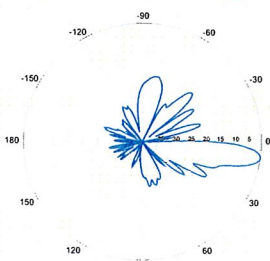
2° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-4



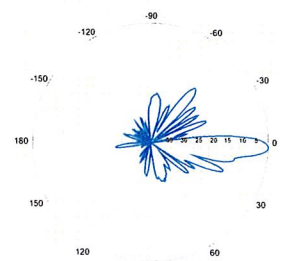
4° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-8



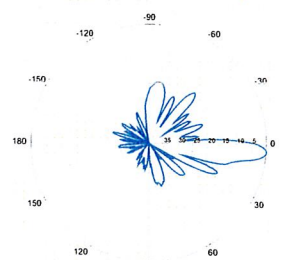
8° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-2



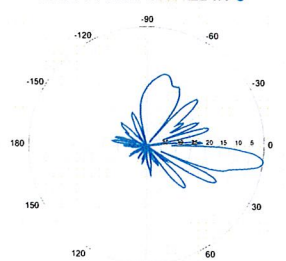
2° | Vertical | 1920-2170 MHz

BXA-171063-8BF-EDIN-4



4° | Vertical | 1920-2170 MHz

BXA-171063-8BF-EDIN-8



8° | 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-70063-6CF-EDIN-X

X-Pol | FET Panel | 63° | 14.5 dBd

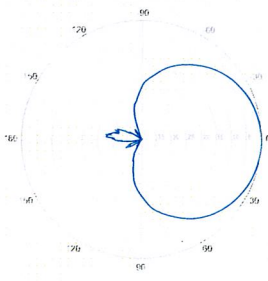
Replace "X" with desired electrical downtilt.

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



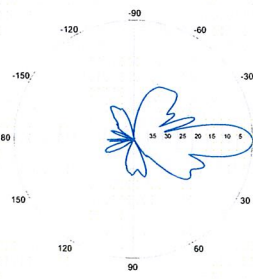
Electrical Characteristics	696-900 MHz		
Frequency bands	696-806 MHz	806-900 MHz	
Polarization	±45°		
Horizontal beamwidth	65°	63°	
Vertical beamwidth	13°	11°	
Gain	14.0 dBd (16.1 dBi)	14.5 dBd (16.6 dBi)	
Electrical downtilt (X)	0, 2, 3, 4, 5, 6, 8, 10		
Impedance	50Ω		
VSWR	≤1.35:1		
Upper sidelobe suppression (0°)	-18.3 dB	-18.2 dB	
Front-to-back ratio (+/-30°)	-33.4 dB	-36.3 dB	
Null fill	5% (-26.02 dB)		
Isolation between ports	< -25 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 285 x 132 mm	71.0 x 11.2 x 5.2 in	
Depth with z-brackets	172 mm	6.8 in	
Weight without mounting brackets	7.9 kg	17 lbs	
Survival wind speed	> 201 km/hr	> 125 mph	
Wind area	Front: 0.51 m ² Side: 0.24 m ²	Front: 5.5 ft ² Side: 2.6 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 759 N Side: 391 N	Front: 169 lbf Side: 89 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-70063-6CF-EDIN-X-FP		

BXA-70063-6CF-EDIN-X



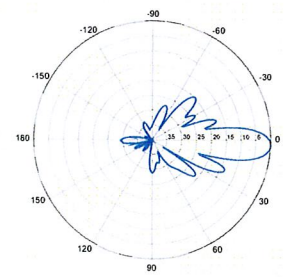
Horizontal | 750 MHz

BXA-70063-6CF-EDIN-0

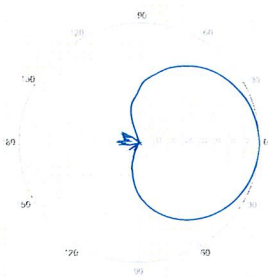


0° | Vertical | 750 MHz

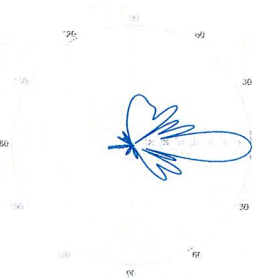
BXA-70063-6CF-EDIN-2



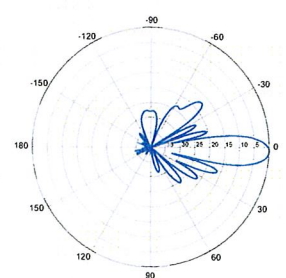
2° | Vertical | 750 MHz



Horizontal | 850 MHz



0° | Vertical | 850 MHz



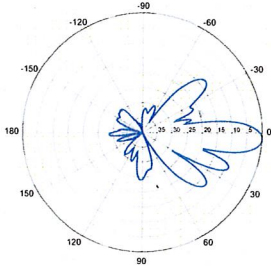
2° | Vertical | 850 MHz

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-70063-6CF-EDIN-X

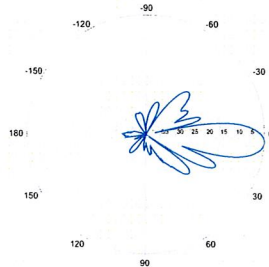
X-Pol | FET Panel | 63° | 14.5 dBd

BXA-70063-6CF-EDIN-3



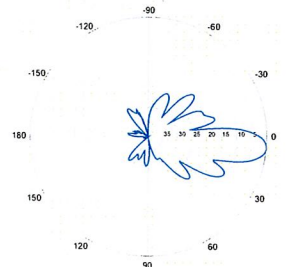
3° | Vertical | 750 MHz

BXA-70063-6CF-EDIN-4

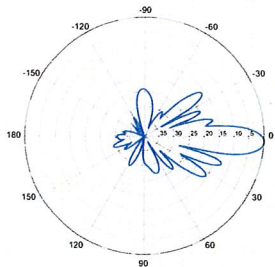


4° | Vertical | 750 MHz

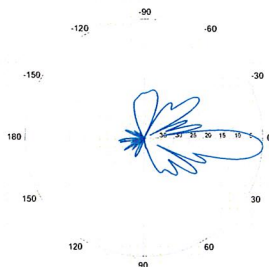
BXA-70063-6CF-EDIN-5



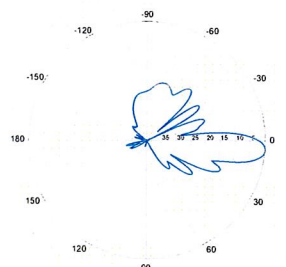
5° | Vertical | 750 MHz



3° | Vertical | 850 MHz

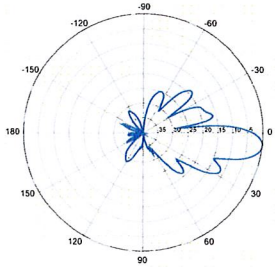


4° | Vertical | 850 MHz



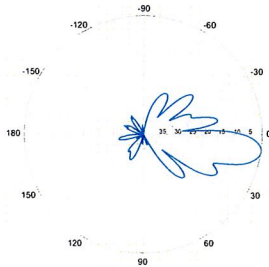
5° | Vertical | 850 MHz

BXA-70063-6CF-EDIN-6



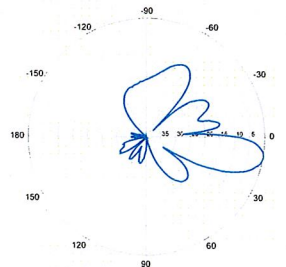
6° | Vertical | 750 MHz

BXA-70063-6CF-EDIN-8

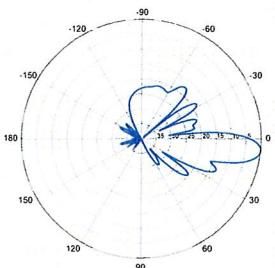


8° | Vertical | 750 MHz

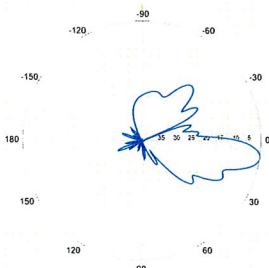
BXA-70063-6CF-EDIN-10



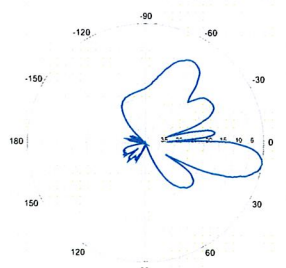
10° | Vertical | 750 MHz



6° | Vertical | 850 MHz



8° | Vertical | 850 MHz



10° | Vertical | 850 MHz

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P65-16-XL

Very Low Broadband Antennas

-2

POLARIZATION: Dual linear $\pm 45^\circ$
 FREQUENCY (MHz): 698-894
 HORIZONTAL BEAM WIDTH ($^\circ$): 65
 GAIN (dBi/dBd): 16.0/13.9
 TILT: 2
 LENGTH: 72"

ELECTRICAL SPECIFICATIONS*

	698-806	698-894	806-894
Frequency range (MHz)			
Frequency band (MHz)	698-806		806-894
Gain (dBi/dBd)	15.5/13.4		16.0/13.9
Polarization			
Nominal Impedance (Ω)			
VSWR			
Horizontal beam width, -3 dB ($^\circ$)	68		65
Vertical beam width, -3 dB ($^\circ$)	10.5		9.5
Electrical down tilt ($^\circ$)			
Side lobe suppression, vertical 1st upper (dB)	> 15		> 15
Isolation between inputs (dB)	> 30		> 30
Tracking, horizontal plane $\pm 60^\circ$ (dB)	< 2		< 2
First null fill (dB)	-		-
Vertical beam squint ($^\circ$)	< 0.5		< 0.5
Front to back ratio (dB)	> 30		> 30
Front to back ratio, total power (dB)	> 25		> 25
Cross polar discrimination (XPD) 0° (dB)	> 15	> 15	> 25
Cross polar discrimination (XPD) $\pm 60^\circ$ (dB)	> 10		> 10
Far field coupling			
IM3, 2xTx@43dBm (dBc)	-153		
IM7, 2xTx@43dBm (dBc)			
Power handling, average per input (W)			
Power handling, average total (W)			

MECHANICAL SPECIFICATIONS*

Connector	2 X 7/16 DIN Female
Connector position	Bottom
Dimensions, HxWxD, mm (ft)	72" x 12" x 5" (1829 x 305 x 125)
Mounting	Pre-mounted Tilt Brackets
Weight, with brackets, kg (lbs)	44 (20)
Weight, without brackets, kg (lbs)	33 (15)
Wind load, frontal/lateral/rear side 42 m/s Cd=1.6 (N)	1380
Maximum operational wind speed, m/s (mph)	100 (45)
Survival wind speed, m/s (mph)	125 (55)
Lightning protection	DC Ground
Radome material	PVC
Radome colour	Light Grey
Package size, HxWxD, mm (ft)	82" x 16" x 10" (2082 x 400 x 255)
Shipping weight, kg (lbs)	55 (25)
RET	N/A
Brackets	7256.00, 7454.00, 2210.00

*All specifications subject to change without notice. Please contact your Powerwave representative for complete performance data.

ANTENNA PATTERNS*

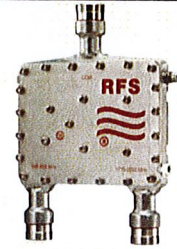
For detailed patterns visit <http://www.powerwave.com/rpa/>.



ShareLite Wideband Diplexer – In-line 698-960 MHz/1710-2200 MHz, DC pass in high frequency path

Product Description

The ShareLite FD9R6004 Series of diplexers are designed to enable feeder sharing between systems in the 698-960 MHz range and in the 1710-2200 MHz range. The diplexer is equipped with in-line connector placement so it can be installed in the BTS cabinet or at the tower top. This is especially valuable in crowded sites or when the feeders are not easily accessible. Due to its wideband design, the FD9R6004 Series can accommodate many combining solutions between 698-960 MHz and 1710-2200 MHz systems such as LTE 700 MHz, Cellular 800 MHz with PCS, GSM900 with GSM1800, or GSM900 with UMTS. This diplexer features a highly selective filter. It provides a high level of isolation between ports, while keeping the insertion loss on both paths at an extremely low level. The FD9R6004 diplexers are available with various DC pass options, helpful in configurations with or without the Tower Mount Amplifiers installed.



Features/Benefits

- LTE ready design
- Extremely Low Insertion Loss
- High level of Rejection between bands – Protection against interferences
- Extremely High Power Handling Capability
- Integrated DC block/bypass versions available
- Very compact & small size design – Easy installation and reduced tower load
- In-line long-neck connectors for easy connection & waterproofing
- Exceptional reliability & environmental protection (IP 67)
- Equipped with 1 * Breathable Vent – Prevent any humidity inside the product
- Mounting hardware for Wall and Pole mount provided (P/N SEM2-1A)
- Grounding already provided through the mounting bracket
- Kit available for easy dual mount

Technical Specifications

Product Type	Diplexer/Cross Band Coupler
Frequency Range 1, MHz	698-960
Frequency Range 2, MHz	1710-2200
Application	LTE700, GSM900, UMTS, GSM1800, Cellular 800, PCS
Configuration	Sharelite Single diplexer, outdoor, DC pass in the 1710-2170MHz path, with mounting hardware SEM2-1A
Mounting	Wall Mounting: With 4 screws (maximum 6mm diameter); Pole Mounting: With included clamp set 40-110mm (1.57-4.33)
Return Loss All Ports Min/Typ, dB	19/23
Power Handling Continuous, Max, W	1250 at common port; 750 in low frequency path & 500 in high frequency path
Power Handling Peak, Max, W	15000 in low frequency path & 8000 in high frequency path
Impedance, Ohms	50
Insertion Loss, Path 1, dB	0.07 typ.
Insertion Loss, Path 2, dB	0.13 typ.
Rejection Between Bands Min/Typ, dB	58/64@698-960MHz; 60/70@1710-2200MHz
IMP Level at the COM Port, Typ, dBm	-112 @ 2x43
DC Pass in Low Frequency Path	No
DC Pass in High Frequency Path	Yes
Temperature Range, °C (°F)	-40 to +60 (-40 to +140)
Environmental	ETSI 300-019-2-4 Class 4.1E
Ingress Protection	IP 67
Lightning Protection	EN/IEC61000-4-5 Level 4
Connectors	In-line long-neck 7-16-Female
Weight, kg (lb)	1.2 (2.6)
Shipping Weight, kg (lb)	3.2 (7) for 2 * single units in 1 * box, 9.8 (21.6) for 6 * units = 3 * Boxes in 1 * overwrap
Dimensions, H x W x D, mm (in)	147 x 164 x 37 (5.8 x 6.5 x 1.5)
Shipping Dimensions, H x W x D, mm (in)	254 x 406 x 82 (10 x 16 x 3.2) for 2 * Single Units in 1 * box, 280 x 406 x 241 (11 x 16 x 9.5) for 6 * units = 3 * Boxes in 1 * overwrap
Volume, L	0.43
Housing	Aluminum

Notes

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

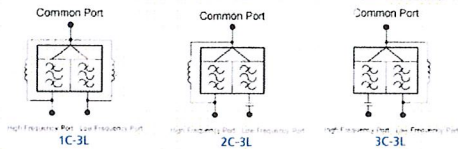


ShareLite Wideband Diplexer – In-line 698-960 MHz/1710-2200 MHz, DC pass in high frequency path

Other Documentation

FD9R6004/2C-3L Installation Instructions: [Wideband_Diplexer_Installation_Rev5.pdf](#)

Selection Guide Diplexer 698-960 / 1710-2200MHz					
	Model Number	Full DC Pass	DC Pass High Band	DC Pass Low Band	Mounting Hardware Included
Single	FD9R6004/1C-3L				X
	FD9R6004/2C-3L				X
	FD9R6004/3C-3L				X
Dual	KIT-FD9R6004/1C-DL				X
	KIT-FD9R6004/2C-DL				X
	KIT-FD9R6004/3C-DL				X



The FD9R6004 Series is upgradeable to a Dual Diplexer kit by means of 2 diplexers and mounting hardware kits SEM2-1A and SEM2-3

Mounting Hardware and Ground Cable Ordering Information		
Model Number	Description	
SEM2-1A	Mounting Hardware, Pole mount ø40-110mm (Included with the Single and Dual Diplexer) Wall Screws M6 (Not included with the product)	
SEM2-3	Assembly kit for 2 pcs of FD9R6004/C-3L (Can be ordered separately but included with the Dual Diplexer Kit)	
CA020-2	Ground Cable, 2m, includes lugs (Optional)	
CA030-2	Ground Cable, 2m, includes lugs (Optional)	
SEM6	Mounting Hardware for 6 Diplexers, Tower Base (Optional)	

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



C Squared Systems, LLC
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Calculated Radio Frequency Emissions



Westport 2 CT
180 Bayberry Lane, Westport, CT 06880

December 8, 2011

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1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed modifications to the existing Verizon Wireless antenna arrays at their Westport 2 facility, located at 180 Bayberry Lane in Westport, CT. The site is a monopole which hosts antennas for Verizon Wireless, Sprint PCS, Nextel, AT&T, T-Mobile, and multiple government operators. The coordinates of the monopole are 41-10-17.8 N, 73-19-42.9 W.

Verizon Wireless is proposing the following modifications:

- 1) Relocate their existing antenna array from a 77' centerline to a 110' centerline;
- 2) Replace one existing 750 MHz LTE panel antenna on the beta sector and modify the downtilt
- 3) Replace two existing 850 MHz Cellular panel antennas on the beta sector and modify the downtilt
- 4) Remove three existing 1900 MHz PCS panel antennas (one per sector);
- 5) Install three replacement dualband 1900/2100 MHz panel antennas (one per sector).

This report uses the planned antenna configuration for Verizon Wireless to derive the resulting % MPE of their final configuration, once these modifications have been implemented.

2. FCC Guidelines for Evaluating RF Radiation Exposure Limits

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by OET Bulletin 65 Edition 97-01. These new rules include Maximum Permissible Exposure (MPE) limits for transmitters operating between 300 kHz and 100 GHz. The FCC MPE limits are based upon those recommended by the National Council on Radiation Protection and Measurements (NCRP), developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI).

The FCC general population/uncontrolled limits set the maximum exposure to which most people may be subjected. General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Public exposure to radio frequencies is regulated and enforced in units of milliwatts per square centimeter (mW/cm^2). The general population exposure limits for the various frequency ranges are defined in the attached "FCC Limits for Maximum Permissible Exposure (MPE)" in Attachment B of this report.

Higher exposure limits are permitted under the occupational/controlled exposure category, but only for persons who are exposed as a consequence of their employment and who have been made fully aware of the potential for exposure, and they must be able to exercise control over their exposure. General population/uncontrolled limits are five times more stringent than the levels that are acceptable for occupational, or radio frequency trained individuals. Attachment B contains excerpts from OET Bulletin 65 and defines the Maximum Exposure Limit.

Finally, it should be noted that the MPE limits adopted by the FCC for both general population/uncontrolled exposure and for occupational/controlled exposure incorporate a substantial margin of safety and have been established to be well below levels generally accepted as having the potential to cause adverse health effects.

3. RF Exposure Prediction Methods

The emission field calculation results displayed in the following figures were generated using the following formula as outlined in FCC bulletin OET 65:

$$\text{Power Density} = \left(\frac{1.6^2 \times EIRP}{4\pi \times R^2} \right) \times \text{Off Beam Loss}$$

Where:

EIRP = Effective Isotropic Radiated Power

$$R = \text{Radial Distance} = \sqrt{(H^2 + V^2)}$$

H = Horizontal Distance from antenna in meters

V = Vertical Distance from radiation center of antenna in meters

Ground reflection factor of 1.6

Off Beam Loss is determined by the selected antenna patterns

These calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings, etc.) that would normally attenuate the signal are not taken into account. The calculations assume even terrain in the area of study and do not take into account actual terrain elevations which could attenuate the signal. As a result, the predicted signal levels reported below are much higher than the actual signal levels will be from the finished modifications.

The percent of MPE values presented in this report reflect levels that one may encounter from one sector of a carrier's antennas. Most carriers use 3 sectors per site with azimuths approximately 120 degrees apart, therefore one could not be standing in the main beam of all 3 sectors at the same time. In cases where antenna models are not uniform across all 3 sectors, the antenna model with the highest gain was used for the calculations. This results in a conservative or "worst case" assumption for percent of MPE calculations.

4. Proposed Antenna Inventory

Table 1 below outlines Verizon's proposed antenna configuration for the site. The associated data sheets and antenna patterns for these specific antenna models are included in Attachment C.

Operator	Sector	TX Freq (MHz)	Power at Antenna (Watts)	Ant Gain (dBd)	Power ERP (Watts)	Antenna Model	Beam Width	Mech Downtilt	Length (feet)	Antenna Centerline Height (feet)
Verizon	Alpha	850	90	12.0	1426	APL-868013-42T0	80	3	4	110
		750	80	13.4	1750	P65-16-XL-2_2	68	3	6	110
		1900	240	14.9	7417	BXA-171063/8BF_2	65	0	4	110
		2100	40	15.3	1355		60			
	850	90	12.0	1426	APL-868013-42T0	80	3	4	110	
	Beta	850	90	14.5	2537	LPA-80063/6CF_5	63	0	6	110
		750	80	14.0	2010	BXA-70063/6CF_5	65	0	6	110
		1900	240	14.9	7417	BXA-171063/8BF_2	65	0	4	110
		2100	40	15.3	1355		60			
	850	90	14.5	2537	LPA-80063/6CF_5	63	0	6	110	
	Gamma	850	90	12.0	1426	APL-868013-42T0	80	3	4	110
		750	80	13.4	1750	P65-16-XL-2_2	68	3	6	110
		1900	240	14.9	7417	BXA-171063/8BF_2	65	0	4	110
		2100	40	15.3	1355		60			
		850	90	12.0	1426	APL-868013-42T0	80	3	4	110

Table 1: Proposed Antenna Inventory¹

¹ In the case where antenna models are not uniform across all 3 sectors, the antenna model with the highest gain was used for the calculations.

5. Calculation Results

The calculated power density results are shown in Figure 1 below. Each frequency band and technology is calculated as well as the resulting cumulative percent of MPE. For completeness, the calculations for this analysis range from 0 feet horizontal distance (directly below the antennas) to a value of 2000 feet horizontal distance from the antennas. In addition to the other worst case scenario considerations that were previously mentioned, the power density calculations to each horizontal distance point away from the antennas were completed using a local maximum off beam antenna gain (within ± 10 degrees of the true mathematical angle) to incorporate a realistic worst case scenario.

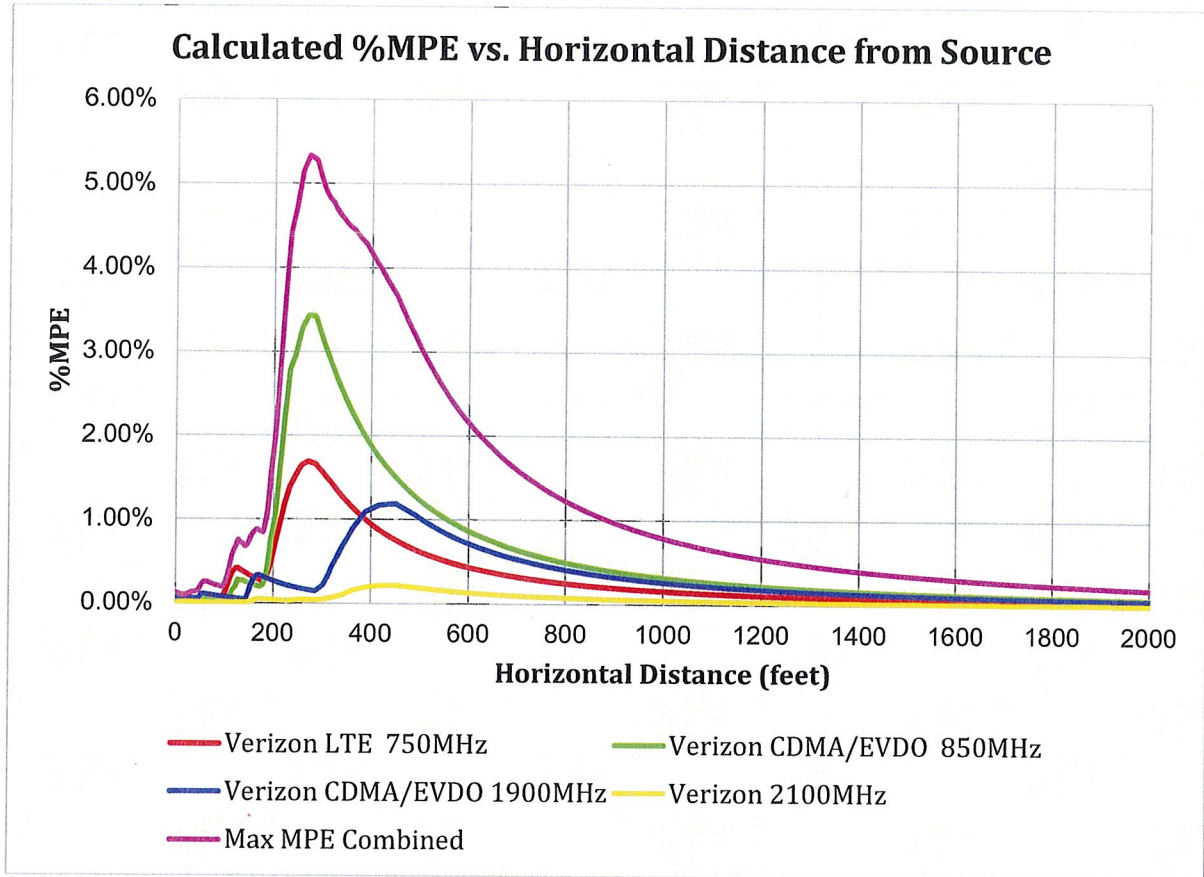


Figure 1: Graph of Percent of MPE vs. Distance

The highest composite percent of MPE was calculated to occur at a horizontal distance of 271 feet from the antennas. Please note that the percent of MPE calculations close to the site take into account off beam loss, which is determined from the vertical pattern of the antennas used. Therefore, RF power density levels may increase as the distance from the site increases. At distances of approximately 500' and beyond, one would now be in the main beam of most antenna patterns and off beam loss is no longer considered. Beyond this point, RF levels become calculated solely on distance from the site and the percent of MPE decreases significantly as distance from the site increases.

Table 2 below lists percent of MPE values for each technology as well as the associated parameters that were included in the calculations. The highest composite percent of MPE value was calculated to occur at a horizontal distance of 271 feet from the antennas (reference Figure 1).

As stated in Section 3, all calculations assume that the antennas are operating at 100 percent capacity, that all antenna channels are transmitting simultaneously, and that the radio transmitters are operating at full power. Obstructions (trees, buildings etc.) that would normally attenuate the signal are not taken into account. In addition, 6 feet was subtracted from the height of the antennas for this analysis to account for average human height. As a result, the predicted signal levels are significantly higher than the actual signal levels will be from the finished modifications.

Carrier	Number of Trans.	Power out of Base Station Per Transmitter (Watts)	Antenna Height (Feet)	Distance to the Base of Antennas (Feet)	Power Density (mW/cm ²)	Limit (mW/cm ²)	%MPE
Verizon 2100MHz	1	40.0	110.0	271	0.000449	1.000	0.04%
Verizon CDMA/EVDO 850MHz	9	20.0	110.0	271	0.019443	0.567	3.43%
Verizon CDMA/EVDO 1900MHz	15	16.0	110.0	271	0.001624	1.000	0.16%
Verizon LTE 750MHz	2	40.0	110.0	271	0.008465	0.500	1.69%
Total							5.32%

Table 2: Maximum Percent of Emissions Values²

² Frequencies listed in Table 2 are representative of the operating band of the particular carrier and are not the carriers' specific operating frequency.

6. Conclusion

The above analysis verifies that emissions from the site will be below the maximum levels as outlined by the FCC in the OET Bulletin 65 Ed. 97-01. Using the conservative calculation methods described above, the maximum composite percent of MPE from the site is 5.32% of the FCC limit. This maximum percent of MPE value is calculated to occur 271' away from the site.

7. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate. The calculations follow guidelines set forth in ANSI/IEEE Std. C95.3, ANSI/IEEE Std. C95.1 and FCC OET Bulletin 65 Edition 97-01.



Daniel L. Goulet
C Squared Systems, LLC

December 8, 2011

Date

Attachment A: References

OET Bulletin 65 - Edition 97-01 - August 1997 Federal Communications Commission Office of Engineering & Technology

ANSI C95.1-1982, American National Standard Safety Levels With Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 kHz to 100 GHz IEEE-SA Standards Board

IEEE Std C95.3-1991 (Reaff 1997), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave IEEE-SA Standards Board

Attachment B: FCC Limits for Maximum Permissible Exposure (MPE)

(A) Limits for Occupational/Controlled Exposure³

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	-	-	f/300	6
1500-100,000	-	-	5	6

(B) Limits for General Population/Uncontrolled Exposure⁴

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

f = frequency in MHz * Plane-wave equivalent power density

Table 3: FCC Limits for Maximum Permissible Exposure

³ Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

⁴ General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

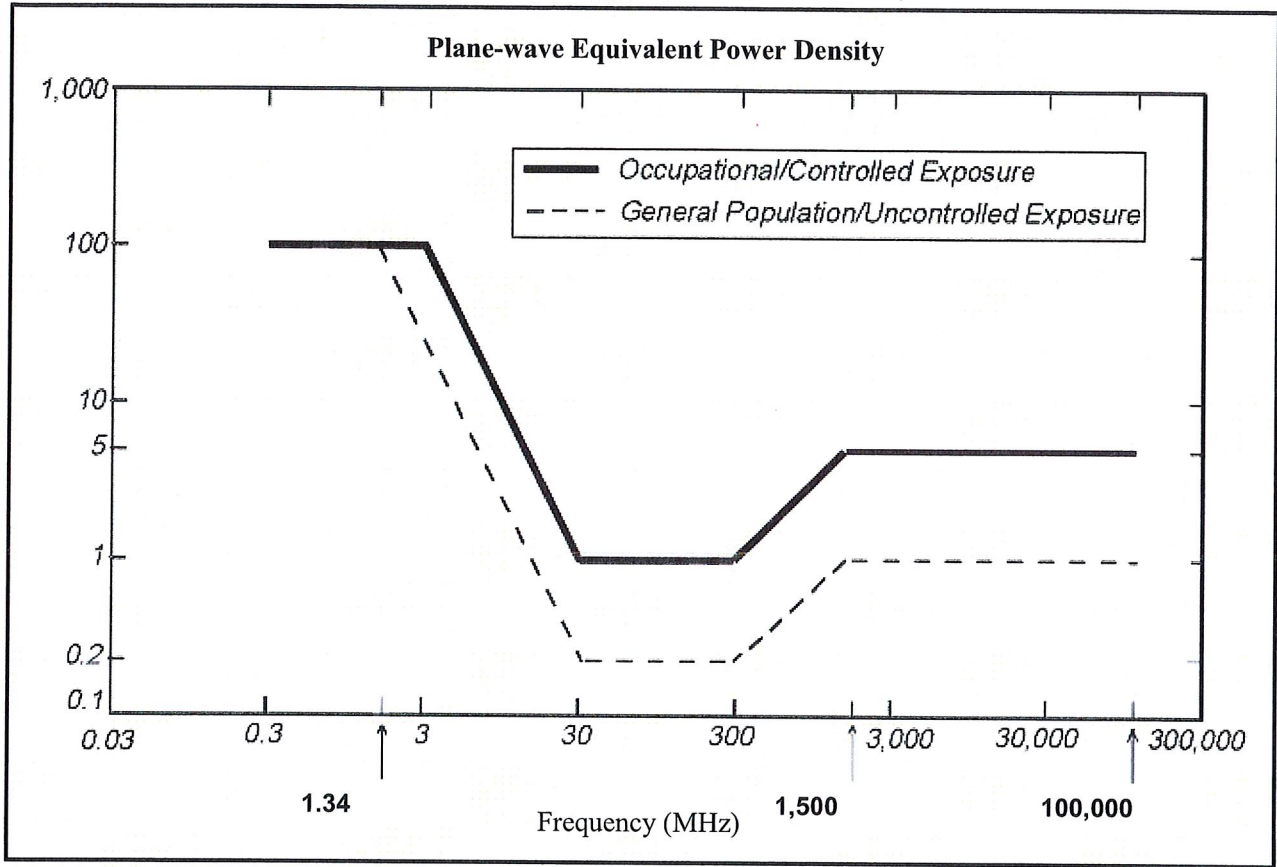
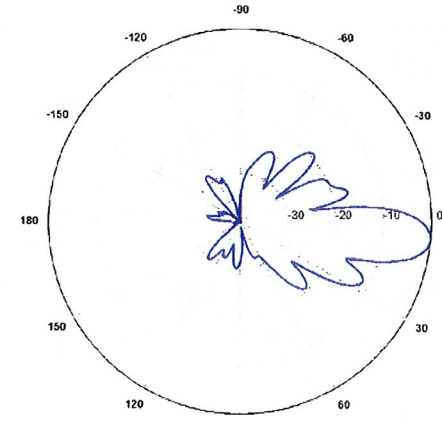
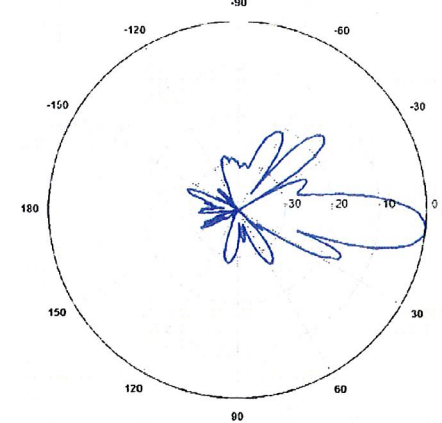
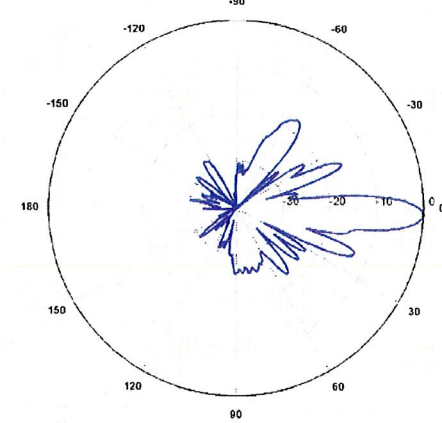


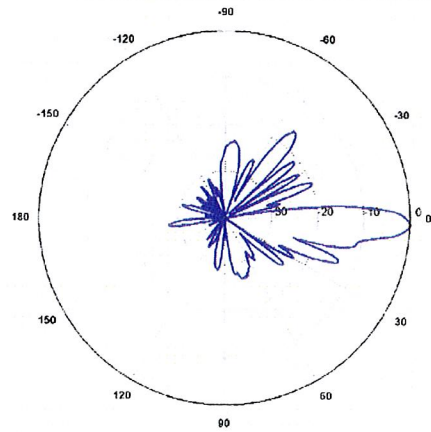
Figure 2: Graph of FCC Limits for Maximum Permissible Exposure (MPE)

Attachment C: Verizon's Antenna Model Data Sheets and Electrical Patterns

<p>750 MHz</p> <p>Manufacturer: Amphenol Model #: BXA-70063/6CF_5 Frequency Band: 698-806 MHz Gain: 14.0 dBd Vertical Beamwidth: 13° Horizontal Beamwidth: 65° Polarization: ± 45° Size L x W x D: 71.0" x 11.2" x 5.2"</p>	
<p>850 MHz</p> <p>Manufacturer: Amphenol Model #: LPA-80063/6CF_5 Frequency Band: 806-960 MHz Gain: 14.5 dBd Vertical Beamwidth: 10° Horizontal Beamwidth: 63° Polarization: Vertical Size L x W x D: 71.1" x 15.2" x 13.1"</p>	
<p>1900 MHz</p> <p>Manufacturer: Amphenol Model #: BXA-171063/8BF_2 Frequency Band: 1850-1990 MHz Gain: 14.9 dBd Vertical Beamwidth: 7° Horizontal Beamwidth: 65° Polarization: ± 45° Size L x W x D: 48.5" x 6.1" x 4.1"</p>	

2100 MHz

Manufacturer: Amphenol
Model #: BXA-171063/8BF_2
Frequency Band: 1920-2170 MHz
Gain: 15.3 dBd
Vertical Beamwidth: 7°
Horizontal Beamwidth: 60°
Polarization: ± 45°
Size L x W x D: 48.5" x 6.1" x 4.1"





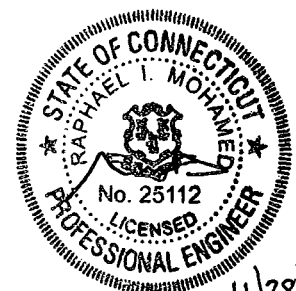
AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 140 ft PennSummit Monopole
ATC Site Name : WSPT-Westport Rebuild CT, CT
ATC Site Number : 310968
Proposed Carrier : Verizon
Carrier Site Name : N/A
Carrier Site Number : N/A
County : Fairfield
Eng. Number : 48247523
Date : November 23, 2011*
Usage : 100%
Portholes Required : No
Result : Pass

Submitted by:
Christina Minor
Project Engineer

American Tower Engineering Services
400 Regency Forest Drive
Cary, NC 27518
Phone: 919-468-0112



11/28/11

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 140 ft PennSummit Monopole located east of the intersection of Merritt Parkway and Bayberry Lane, Westport, CT 06880, Fairfield County (ATC site #310968). The tower was originally designed and manufactured by PennSummit (PJF Job #29204-0171, dated July 1, 2004).

Analysis

The tower was analyzed using Semaan Engineering Solutions, Inc., Software.

Basic Wind Speed: 90 mph (Fastest Mile)
Radial Ice: 78 mph (Fastest Mile) w/ 1/2" ice
Code: TIA/EIA-222-F /
2003 IBC Criteria per Section 1609.1.1, Exception (5) and Section 3108.4
w/ 2005 CT Supplement and 2009 CT Amendments

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
140.0	1	Andrew DB589	Platform w/ Handrails	(1) 1 1/4"	American Messaging
138.0	1	Andrew VHLP2.5-10W		(1) EW90 (7) 7/8" (3) 1 5/8"	Town of Westport
	7	6' Omni			
	2	8' Omni			
	1	6' FM Antenna			
	1	6' Dipole			
	2	8' Omni			
	1	8' Omni (inverted)		(2) 7/8"	US Treasury
131.0	12	Decibel 980F65E-M	Low Profile Platform	(12) 1 5/8"	Sprint Nextel
120.0	12	48" x 8" Panel	Low Profile Platform	(12) 1 1/4"	
100.0	6	Ericsson RRUS 11 (Band 12)	Low Profile Platform	(12) 1 5/8" (1) 3/8" (2) 8 AWG 7 (1) 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	Andrew ETW190VS12UB	Low Profile Platform	(12) 1 5/8"	T-Mobile
	3	RFS APX16DWV-16DWV-S-E-ACU			
	3	RFS ATMAA1412D-1A20			

Antenna Loads (continued)

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
110.0	2	Antel LPA-80063-6CF-EDIN-X	Low Profile Platform	(12) 1 5/8"	Verizon
	1	Antel BXA-70063/6CF			
	3	Antel BXA-171063-8BF-EDIN-X			
	2	Powerwave P65-16-XL-2			
	4	RFS APL868013-42T0			
	6	RFS FD9R6004/2C-3L			

Install proposed coax inside monopole.

Results

The maximum structure usage is: 100%

Additional exit and/or entry ports may be required to accommodate the running of the proposed lines to the proposed antennas. These additional ports **may not** be installed without installation drawings providing the location, size and welding requirements of each port.

To ensure compliance with all conditions of this structural analysis, port installation drawings shall be provided by American Tower's Engineering Department under a subsequent project.

Pole Reactions	Current Analysis Reactions
Moment (ft-kips)	3,126.7
Shear (kips)	30.4

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required. These calculations are located after the software output within this analysis.

The structure's base plate and anchor bolts also have sufficient strength to resist the base reactions from the analysis. Factor of safety exceeding two was noted for the base plate and anchor bolts. Detailed calculation is shown at the end of the analysis.

Conclusion

Based on the analysis results, the structure meets the requirements per TIA/EIA-222-F and 2003 IBC standards with 2005 CT supplement and 2008 CT amendments.

The tower and foundation can support the existing and proposed antennas with the TX line distribution as described in this report.

If you have any questions or require additional information, please call 919-466-5006.

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, the antenna 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 Engineering Services 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.

All services will be performed to the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed in writing. 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. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/EIA-222.

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

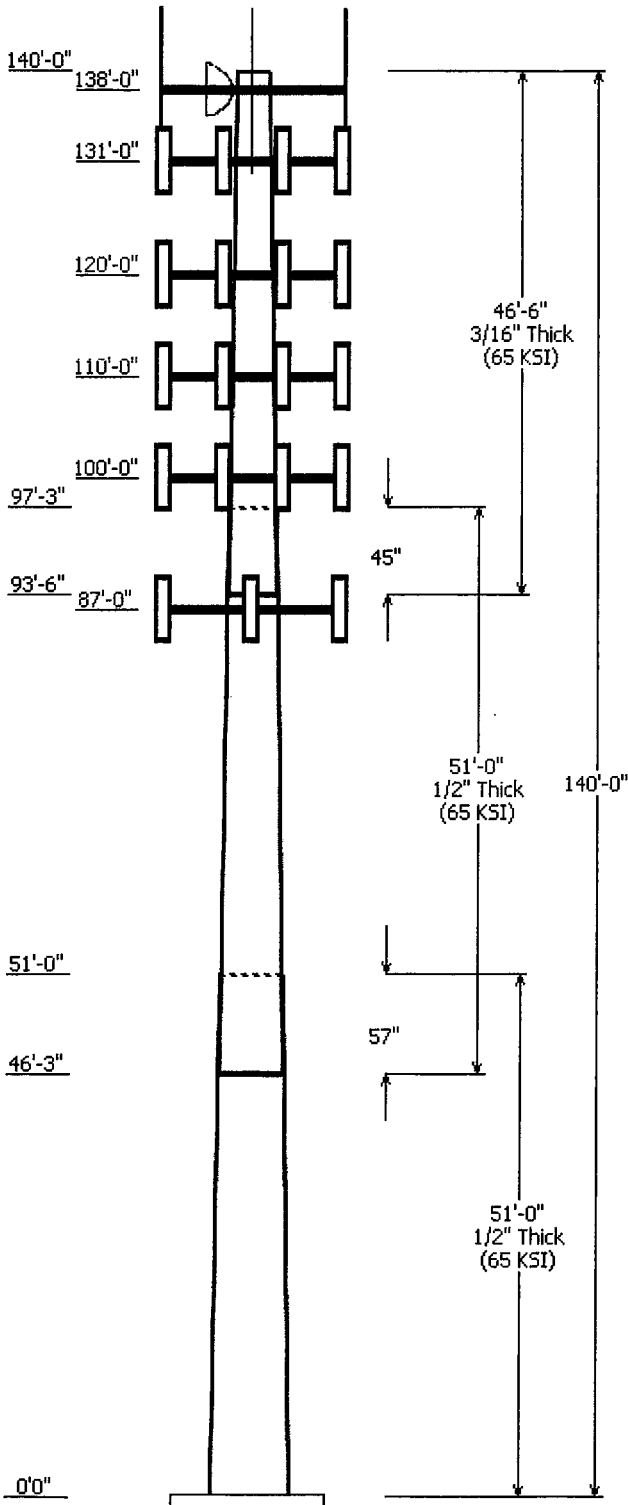
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Job Information	
Pole :	310968
Code :	TIA/EIA-222 Rev F
Description :	140 ft PennSummit Monopole
Client :	Verizon
Location :	WSPT-Westport Rebuild CT, CT
Shape :	18 Sides
Base Elev (ft):	0.00
Height :	140.00 (ft)
Taper:	0.200036(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap		Steel Grade (ksi)
		Top	Bottom			Length (in)	Taper (in/ft)	
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	134.000	1	8' Omni (inverted)	
138.000	138.000	1	Andrew VHLP2.5-10W	
138.000	144.250	1	Andrew DB589	
138.000	138.000	1	Flat Platform w/ Handrails	
138.000	138.000	7	6' Omni	
138.000	138.000	2	8' Omni	
138.000	142.000	2	8' Omni	
138.000	142.000	1	6' FM Antenna	
138.000	138.000	1	6' Dipole	
131.000	131.000	1	Flat Low Profile Platform	
131.000	131.000	12	Decibel 980F65E-M	
120.000	120.000	1	Flat Low Profile Platform	
120.000	120.000	12	48" x 8" Panel	
110.000	110.000	3	Antel BXA-171063-8BF-EDIN-X	
110.000	110.000	2	Antel LPA-80063-6CF-EDIN-X	
110.000	110.000	1	Antel BXA-70063/6CF	
110.000	110.000	6	RFS FD9R6004/2C-3L	
110.000	110.000	4	RFS APL868013-42T0	
110.000	110.000	2	Powerwave P65-16-XL-2	
110.000	110.000	1	Flat Low Profile Platform	
100.000	100.000	6	Powerwave LGP21401	
100.000	100.000	6	Powerwave 7770.00	
100.000	100.000	1	Raycap DC6-48-60-18-8F	
100.000	100.000	3	Powerwave P65-16-XLH-RR	
100.000	100.000	6	Ericsson RRUS 11 (Band 12)	
100.000	100.000	6	Powerwave LGP21901	
100.000	100.000	1	Flat Low Profile Platform	
87.000	87.000	3	RFS ATMAA1412D-1A20	
87.000	87.000	3	Andrew ETW190VS12UB	
87.000	87.000	3	RFS APX16DWV-16DWV-S-E	
87.000	87.000	1	Flat Low Profile Platform	

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
0.000	87.000	1 5/8" Coax	No
0.000	100.0	1 5/8" Coax	No
0.000	100.0	3/8" Coax	No
0.000	100.0	8 AWG 7	No
0.000	100.0	RG6	No
0.000	110.0	1 5/8" Coax	No
0.000	120.0	1 1/4" Coax	No
0.000	131.0	1 5/8" Coax	No
0.000	138.0	1 1/4" Coax	No
0.000	138.0	1 5/8" Coax	No

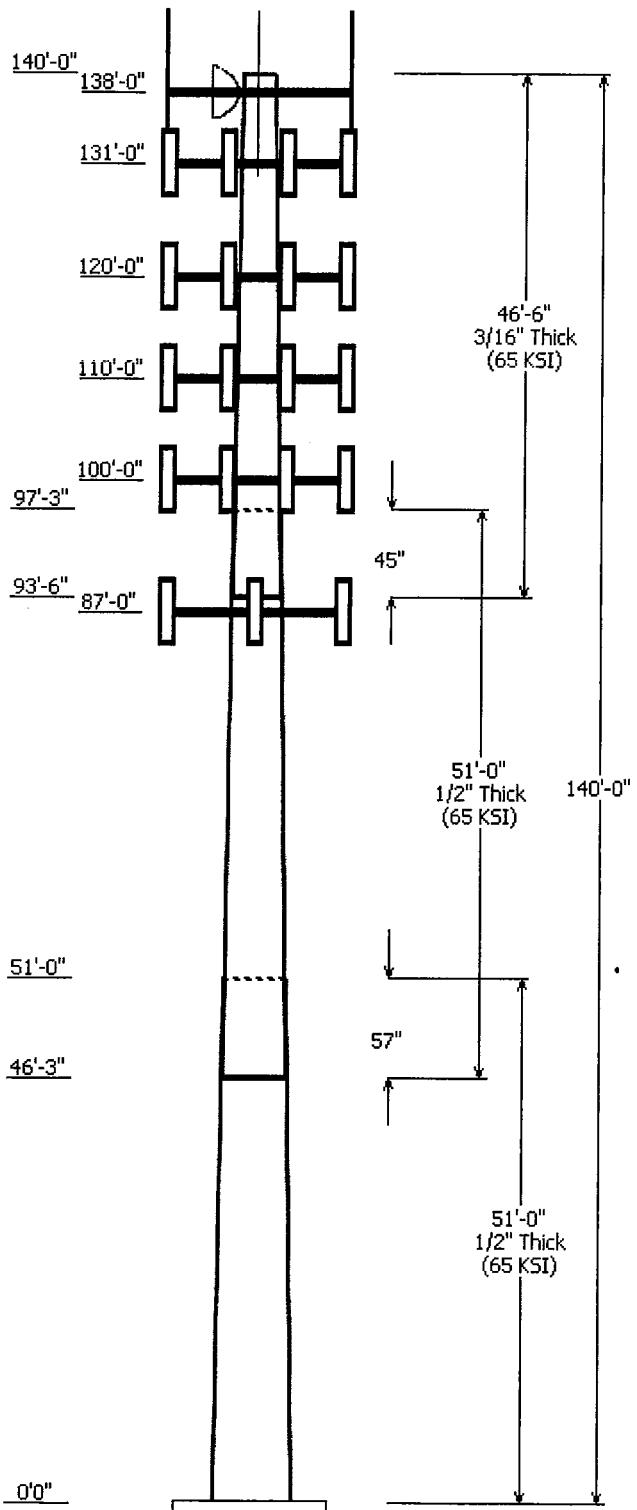


0.000	138.0	7/8" Coax	No
0.000	138.0	7/8" Coax	No
0.000	138.0	EW90	No

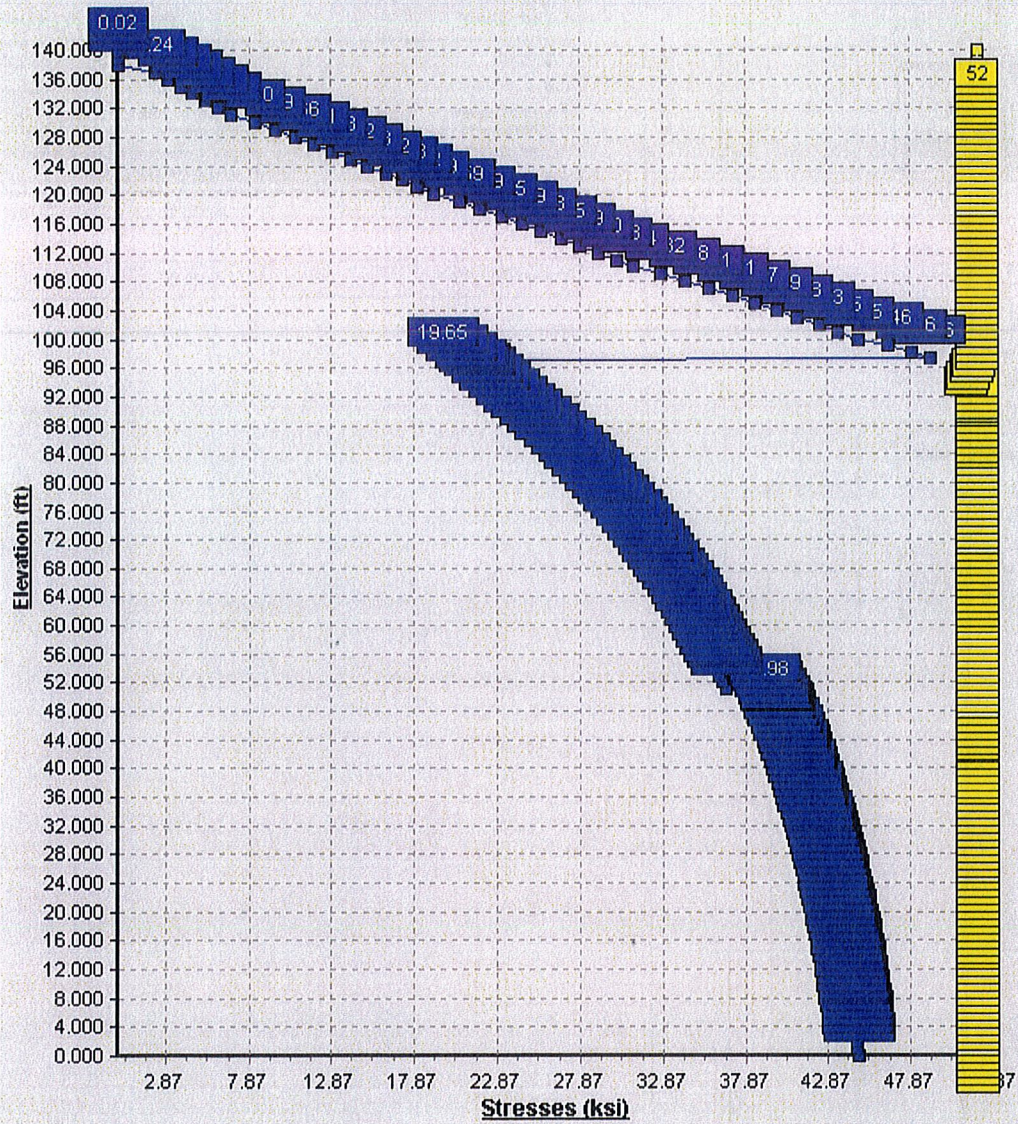
Load Cases	
No Ice	90.00 mph Wind with No Ice
Ice	77.94 mph Wind with Ice
Twist/Sway	50.00 mph Wind with No Ice

Reactions			
Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
No Ice	3126.65	30.43	39.67
Ice	2671.59	25.38	46.12
Twist/Sway	965.95	9.39	39.68

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
Twist/Sway	138.00	27.744	1.796



Load Case : No Ice
Max Stress 95.6% at 97.3ft



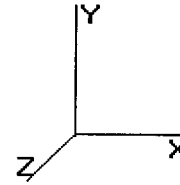
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom						Top						
							Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)
1-18	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	Weight (lb)	No Ice CaAa (sf)	CaAa Factor	Weight (lb)	Ice CaAa (sf)	CaAa Factor	Distance From Face (ft)	Vert Ecc (ft)
138.00	6' Dipole	1	30.00	4.000	1.00	50.00	5.500	1.00	0.000	0.000
138.00	6' FM Antenna	1	30.00	13.450	0.95	112.70	14.770	0.95	0.000	4.000
138.00	6' Omni	7	25.00	1.760	1.00	38.24	2.130	1.00	0.000	0.000
138.00	8' Omni	2	40.00	2.400	1.00	62.00	3.230	1.00	0.000	4.000
138.00	8' Omni	2	40.00	2.400	1.00	62.00	3.230	1.00	0.000	0.000
138.00	8' Omni (inverted)	1	40.00	2.400	1.00	62.00	3.230	1.00	0.000	-4.000
138.00	Andrew DB589	1	11.50	1.380	1.00	20.00	2.200	1.00	0.000	6.250
138.00	Andrew VHLP2.5-10W	1	47.60	8.430	0.90	97.03	8.910	0.90	0.000	0.000
138.00	Flat Platform w/ Handrails	1	2100.00	33.560	0.95	2,550.00	38.300	0.95	0.000	0.000
131.00	Decibel 980F65E-M	12	9.50	3.750	0.81	29.85	4.320	0.81	0.000	0.000
131.00	Flat Low Profile Platform	1	1300.00	24.020	0.95	1,500.00	29.070	0.95	0.000	0.000
120.00	48" x 8" Panel	12	14.00	3.730	0.73	40.30	4.080	0.73	0.000	0.000
120.00	Flat Low Profile Platform	1	1300.00	24.020	0.95	1,500.00	29.070	0.95	0.000	0.000
110.00	Antel BXA-171063-8BF-EDIN-X	3	10.50	2.940	0.87	29.28	3.420	0.87	0.000	0.000
110.00	Antel BXA-70063/6CF	1	14.90	7.740	1.00	56.90	8.550	1.00	0.000	0.000
110.00	Antel LPA-80063-6CF-EDIN-X	2	27.00	10.510	0.95	101.91	11.360	0.95	0.000	0.000
110.00	Flat Low Profile Platform	1	1300.00	24.020	0.90	1,500.00	29.070	0.90	0.000	0.000
110.00	Powerwave P65-16-XL-2	2	33.00	8.130	0.75	77.53	8.820	0.75	0.000	0.000
110.00	RFS APL868013-42T0	4	6.30	3.610	0.88	32.00	4.080	0.88	0.000	0.000
110.00	RFS FD9R6004/2C-3L	6	2.60	0.370	0.33	4.90	0.500	0.33	0.000	0.000
100.00	Ericsson RRUS 11 (Band 12)	6	55.00	2.520	0.33	74.30	2.810	0.33	0.000	0.000
100.00	Flat Low Profile Platform	1	1300.00	24.020	0.95	1,500.00	29.070	0.95	0.000	0.000
100.00	Powerwave 7770.00	6	35.00	5.500	0.75	67.61	6.040	0.75	0.000	0.000
100.00	Powerwave LGP21401	6	14.10	1.100	0.33	21.26	1.310	0.33	0.000	0.000
100.00	Powerwave LGP21901	6	5.50	0.200	0.33	7.70	0.290	0.33	0.000	0.000
100.00	Powerwave P65-16-XLH-RR	3	53.00	8.130	0.78	100.20	8.820	0.78	0.000	0.000
100.00	Raycap DC6-48-60-18-8F	1	31.80	1.280	1.00	49.50	1.460	1.00	0.000	0.000
87.00	Andrew ETW190VS12UB	3	11.00	0.650	0.33	16.30	0.810	0.33	0.000	0.000
87.00	Flat Low Profile Platform	1	1300.00	24.020	1.00	1,500.00	29.070	1.00	0.000	0.000
87.00	RFS APX16DWV-16DWV-S-E-	3	39.60	6.080	0.67	69.38	6.620	0.67	0.000	0.000
87.00	RFS ATMAA1412D-1A20	3	13.00	1.000	0.33	20.60	1.190	0.33	0.000	0.000
Totals		101	10622.50			14,104.37			Number of Loadings :	31

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	No Ice Weight (lb/ft)	CaAa (sf/ft)	Ice Weight (lb/ft)	CaAa (sf/ft)	Exposed To Wind
0.00	138.00	(1) 1 1/4" Coax	0.63	0.00	0.00	0.00	N
0.00	138.00	(3) 1 5/8" Coax	2.46	0.00	0.00	0.00	N
0.00	138.00	(7) 7/8" Coax	2.31	0.00	0.00	0.00	N
0.00	138.00	(2) 7/8" Coax	0.66	0.00	0.00	0.00	N
0.00	138.00	(1) EW90	0.32	0.00	0.00	0.00	N

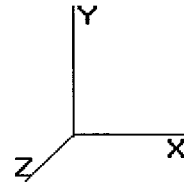
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

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Base Elev : 0.000 (ft)

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0.00	131.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
0.00	120.00	(12) 1 1/4" Coax	7.56	0.00	0.00	0.00	N
0.00	110.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
0.00	100.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
0.00	100.00	(1) 3/8" Coax	0.08	0.00	0.00	0.00	N
0.00	100.00	(2) 8 AWG 7	0.98	0.00	0.00	0.00	N
0.00	100.00	(1) RG6	0.03	0.00	0.00	0.00	N
0.00	87.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
Total Weight			6,108.01 (lb)		0.00 (lb)		

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

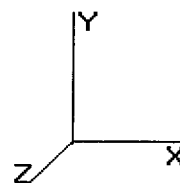
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Base Elev : 0.000 (ft)

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Segment Properties (Max Len : 1 ft)

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

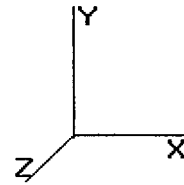
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code : TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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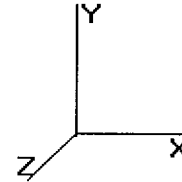
57.00	0.5000	36.728	57.492	9,533.4	11.19	73.46	65	52	196.2	
58.00	0.5000	36.528	57.174	9,376.3	11.12	73.06	65	52	195.1	
59.00	0.5000	36.328	56.857	9,221.0	11.05	72.66	65	52	194.0	
60.00	0.5000	36.128	56.539	9,067.4	10.98	72.26	65	52	192.9	
61.00	0.5000	35.928	56.222	8,915.5	10.91	71.86	65	52	191.9	
62.00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

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

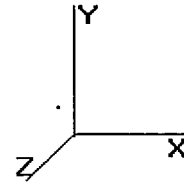
22,952.4

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

Shaft Segment Forces

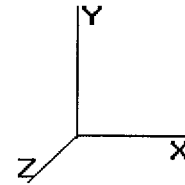
Seg Top Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		0.00	1.00 20.736	35.04 353.47	0.650	0.000	0.00	0.000	0.00	0.00	0.0	0.0	0.0
1.00		0.00	1.00 20.736	35.04 351.97	0.650	0.000	1.00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

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

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

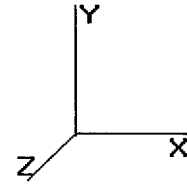
Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

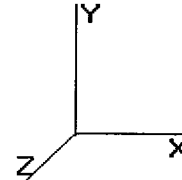
105.0		0.00	1.39	28.863	48.77	243.34	0.650	0.000	1.00	2.300	1.50	72.9	0.0	55.5
106.0		0.00	1.39	28.942	48.91	241.90	0.650	0.000	1.00	2.283	1.48	72.6	0.0	55.1
107.0		0.00	1.39	29.019	49.04	240.45	0.650	0.000	1.00	2.267	1.47	72.3	0.0	54.7
108.0		0.00	1.40	29.097	49.17	238.99	0.650	0.000	1.00	2.250	1.46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

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

Discrete Appurtenance Segment Forces

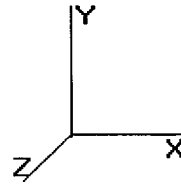
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Andrew	3	27.353	46.227	0.33	0.64	0.000	0.000	29.75	0.00	0.00	33.00
87.00	Flat Low Profile Pla	1	27.353	46.227	1.00	24.02	0.000	0.000	1,110.38	0.00	0.00	1,300.00
87.00	RFS APX16DWV-	3	27.353	46.227	0.67	12.22	0.000	0.000	564.94	0.00	0.00	118.80
87.00	RFS ATMAA1412D-	3	27.353	46.227	0.33	0.99	0.000	0.000	45.77	0.00	0.00	39.00
100.0	Ericsson RRUS 11 (Ba	6	28.464	48.104	0.33	4.99	0.000	0.000	240.02	0.00	0.00	330.00
100.0	Flat Low Profile Pla	1	28.464	48.104	0.95	22.82	0.000	0.000	1,097.68	0.00	0.00	1,300.00
100.0	Powerwave 7770.00	6	28.464	48.104	0.75	24.75	0.000	0.000	1,190.57	0.00	0.00	210.00
100.0	Powerwave LGP21401	6	28.464	48.104	0.33	2.18	0.000	0.000	104.77	0.00	0.00	84.60
100.0	Powerwave LGP21901	6	28.464	48.104	0.33	0.40	0.000	0.000	19.05	0.00	0.00	33.00
100.0	Powerwave P65-16-	3	28.464	48.104	0.78	19.02	0.000	0.000	915.14	0.00	0.00	159.00
100.0	Raycap DC6-48-60-18-	1	28.464	48.104	1.00	1.28	0.000	0.000	61.57	0.00	0.00	31.80
110.0	Antel BXA-171063-8BF	3	29.250	49.432	0.87	7.67	0.000	0.000	379.31	0.00	0.00	31.50
110.0	Antel BXA-70063/6CF	1	29.250	49.432	1.00	7.74	0.000	0.000	382.60	0.00	0.00	14.90
110.0	Antel LPA-80063-6CF-	2	29.250	49.432	0.95	19.97	0.000	0.000	987.10	0.00	0.00	54.00
110.0	Flat Low Profile Pla	1	29.250	49.432	0.90	21.62	0.000	0.000	1,068.61	0.00	0.00	1,300.00
110.0	Powerwave P65-16-	2	29.250	49.432	0.75	12.19	0.000	0.000	602.82	0.00	0.00	66.00
110.0	RFS APL868013-42T0	4	29.250	49.432	0.88	12.71	0.000	0.000	628.14	0.00	0.00	25.20
110.0	RFS FD9R6004/2C-3L	6	29.250	49.432	0.33	0.73	0.000	0.000	36.21	0.00	0.00	15.60
120.0	48" x 8" Panel	12	29.986	50.676	0.73	32.67	0.000	0.000	1,655.83	0.00	0.00	168.00
120.0	Flat Low Profile Pla	1	29.986	50.676	0.95	22.82	0.000	0.000	1,156.38	0.00	0.00	1,300.00
131.0	Decibel 980F65E-M	12	30.747	51.962	0.81	36.45	0.000	0.000	1,894.01	0.00	0.00	114.00
131.0	Flat Low Profile Pla	1	30.747	51.962	0.95	22.82	0.000	0.000	1,185.72	0.00	0.00	1,300.00
138.0	6' Dipole	1	31.207	52.741	1.00	4.00	0.000	0.000	210.96	0.00	0.00	30.00
138.0	6' FM Antenna	1	31.463	53.173	0.95	12.78	0.000	4.000	679.41	0.00	2,717.65	30.00
138.0	6' Omni	7	31.207	52.741	1.00	12.32	0.000	0.000	649.73	0.00	0.00	175.00
138.0	8' Omni	2	31.463	53.173	1.00	4.80	0.000	4.000	255.23	0.00	1,020.92	80.00
138.0	8' Omni	2	31.207	52.741	1.00	4.80	0.000	0.000	253.15	0.00	0.00	80.00
138.0	8' Omni (inverted)	1	30.946	52.299	1.00	2.40	0.000	-4.000	125.52	0.00	-502.07	40.00
138.0	Andrew DB589	1	31.605	53.412	1.00	1.38	0.000	6.250	73.71	0.00	460.68	11.50
138.0	Andrew VHLP2.5-10W	1	31.207	52.741	0.90	7.59	0.000	0.000	400.14	0.00	0.00	47.60
138.0	Flat Platform w/ Han	1	31.207	52.741	0.95	31.88	0.000	0.000	1,681.47	0.00	0.00	2,100.00
									19,685.69			10,622.50

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	89.27	305.65	0.00	0.00
2.00	88.89	304.57	0.00	0.00
3.00	88.51	303.49	0.00	0.00
4.00	88.13	302.41	0.00	0.00
5.00	87.75	301.33	0.00	0.00
6.00	87.37	300.25	0.00	0.00
7.00	86.99	299.17	0.00	0.00
8.00	86.61	298.09	0.00	0.00
9.00	86.24	297.01	0.00	0.00
10.00	85.86	295.93	0.00	0.00
11.00	85.48	294.85	0.00	0.00
12.00	85.10	293.77	0.00	0.00
13.00	84.72	292.69	0.00	0.00
14.00	84.34	291.61	0.00	0.00
15.00	83.96	290.53	0.00	0.00
16.00	83.58	289.45	0.00	0.00
17.00	83.20	288.37	0.00	0.00
18.00	82.82	287.29	0.00	0.00
19.00	82.44	286.21	0.00	0.00
20.00	82.06	285.13	0.00	0.00
21.00	81.68	284.05	0.00	0.00
22.00	81.30	282.97	0.00	0.00
23.00	80.92	281.89	0.00	0.00
24.00	80.54	280.81	0.00	0.00
25.00	80.16	279.73	0.00	0.00
26.00	79.78	278.65	0.00	0.00
27.00	79.40	277.57	0.00	0.00
28.00	79.02	276.49	0.00	0.00
29.00	78.64	275.41	0.00	0.00
30.00	78.26	274.33	0.00	0.00
31.00	77.88	273.25	0.00	0.00
32.00	77.50	272.17	0.00	0.00
33.00	77.12	271.08	0.00	0.00
34.00	77.40	270.00	0.00	0.00
35.00	77.66	268.92	0.00	0.00
36.00	77.90	267.84	0.00	0.00
37.00	78.12	266.76	0.00	0.00
38.00	78.32	265.68	0.00	0.00
39.00	78.50	264.60	0.00	0.00
40.00	78.67	263.52	0.00	0.00
41.00	78.82	262.44	0.00	0.00
42.00	78.96	261.36	0.00	0.00
43.00	79.09	260.28	0.00	0.00
44.00	79.19	259.20	0.00	0.00
45.00	79.29	258.12	0.00	0.00
46.00	79.37	257.04	0.00	0.00
46.25	19.81	64.09	0.00	0.00
47.00	61.12	347.00	0.00	0.00
48.00	81.61	460.78	0.00	0.00

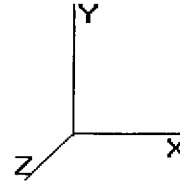
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

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Base Elev : 0.000 (ft)

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

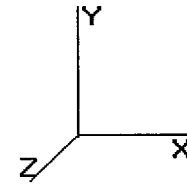
49.00	81.67	458.61	0.00	0.00
50.00	81.71	456.45	0.00	0.00
51.00	81.75	454.29	0.00	0.00
52.00	81.77	255.96	0.00	0.00
53.00	81.78	254.88	0.00	0.00
54.00	81.78	253.80	0.00	0.00
55.00	81.77	252.72	0.00	0.00
56.00	81.75	251.64	0.00	0.00
57.00	81.72	250.56	0.00	0.00
58.00	81.68	249.48	0.00	0.00
59.00	81.63	248.40	0.00	0.00
60.00	81.58	247.32	0.00	0.00
61.00	81.51	246.24	0.00	0.00
62.00	81.44	245.16	0.00	0.00
63.00	81.35	244.08	0.00	0.00
64.00	81.26	243.00	0.00	0.00
65.00	81.16	241.92	0.00	0.00
66.00	81.05	240.84	0.00	0.00
67.00	80.94	239.76	0.00	0.00
68.00	80.81	238.68	0.00	0.00
69.00	80.68	237.60	0.00	0.00
70.00	80.54	236.52	0.00	0.00
71.00	80.40	235.44	0.00	0.00
72.00	80.25	234.36	0.00	0.00
73.00	80.09	233.28	0.00	0.00
74.00	79.92	232.20	0.00	0.00
75.00	79.75	231.12	0.00	0.00
76.00	79.57	230.04	0.00	0.00
77.00	79.38	228.96	0.00	0.00
78.00	79.19	227.88	0.00	0.00
79.00	78.99	226.80	0.00	0.00
80.00	78.79	225.72	0.00	0.00
81.00	78.57	224.64	0.00	0.00
82.00	78.36	223.56	0.00	0.00
83.00	78.14	222.48	0.00	0.00
84.00	77.91	221.39	0.00	0.00
85.00	77.67	220.31	0.00	0.00
86.00	77.43	219.23	0.00	0.00
87.00	1,828.02	1,708.95	0.00	0.00
88.00	76.94	207.23	0.00	0.00
89.00	76.68	206.15	0.00	0.00
90.00	76.42	205.07	0.00	0.00
91.00	76.16	203.99	0.00	0.00
92.00	75.89	202.91	0.00	0.00
93.00	75.61	201.83	0.00	0.00
93.50	37.67	100.51	0.00	0.00
94.00	38.08	130.18	0.00	0.00
95.00	76.01	259.24	0.00	0.00
96.00	75.72	257.75	0.00	0.00
97.00	75.43	256.27	0.00	0.00
97.25	18.79	63.83	0.00	0.00
98.00	56.30	77.13	0.00	0.00
99.00	74.83	102.49	0.00	0.00
100.0	3,703.32	2,250.49	0.00	0.00
101.0	74.21	90.75	0.00	0.00
102.0	73.90	90.35	0.00	0.00
103.0	73.58	89.94	0.00	0.00

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

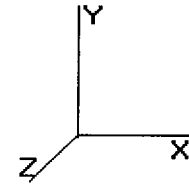
104.0	73.26	89.54	0.00	0.00
105.0	72.93	89.13	0.00	0.00
106.0	72.60	88.73	0.00	0.00
107.0	72.26	88.32	0.00	0.00
108.0	71.92	87.92	0.00	0.00
109.0	71.57	87.51	0.00	0.00
110.0	4,156.03	1,594.31	0.00	0.00
111.0	70.87	76.86	0.00	0.00
112.0	70.52	76.46	0.00	0.00
113.0	70.16	76.05	0.00	0.00
114.0	69.79	75.65	0.00	0.00
115.0	69.42	75.24	0.00	0.00
116.0	69.05	74.84	0.00	0.00
117.0	68.68	74.43	0.00	0.00
118.0	68.30	74.03	0.00	0.00
119.0	67.91	73.62	0.00	0.00
120.0	2,879.73	1,541.22	0.00	0.00
121.0	67.14	65.25	0.00	0.00
122.0	66.74	64.85	0.00	0.00
123.0	66.35	64.44	0.00	0.00
124.0	65.95	64.04	0.00	0.00
125.0	65.54	63.63	0.00	0.00
126.0	65.13	63.23	0.00	0.00
127.0	64.72	62.82	0.00	0.00
128.0	64.31	62.42	0.00	0.00
129.0	63.89	62.01	0.00	0.00
130.0	63.47	61.61	0.00	0.00
131.0	3,142.78	1,475.20	0.00	0.00
132.0	62.62	50.96	0.00	0.00
133.0	62.19	50.55	0.00	0.00
134.0	61.76	50.15	0.00	0.00
135.0	61.32	49.74	0.00	0.00
136.0	60.88	49.34	0.00	0.00
137.0	60.44	48.93	0.00	0.00
138.0	4,389.32	2,642.63	0.00	3,697.17
139.0	59.54	41.74	0.00	0.00
140.0	59.09	41.34	0.00	0.00
Totals:	30,416.82	39,682.90	0.00	3,697.17

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

Calculated Shaft Forces and Deflections

Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-30.432	-39.670	0.000	0.000	0.000	-3,126.648	0.000	0.000	0.000	0.000
1.00	-30.372	-39.342	0.000	0.000	0.000	-3,096.217	-0.005	0.000	0.005	-0.044
2.00	-30.313	-39.014	0.000	0.000	0.000	-3,065.845	-0.019	0.000	0.019	-0.087
3.00	-30.253	-38.688	0.000	0.000	0.000	-3,035.533	-0.042	0.000	0.042	-0.131
4.00	-30.194	-38.362	0.000	0.000	0.000	-3,005.280	-0.075	0.000	0.075	-0.175
5.00	-30.134	-38.038	0.000	0.000	0.000	-2,975.087	-0.116	0.000	0.116	-0.219
6.00	-30.075	-37.715	0.000	0.000	0.000	-2,944.953	-0.167	0.000	0.167	-0.263
7.00	-30.015	-37.393	0.000	0.000	0.000	-2,914.879	-0.227	0.000	0.227	-0.308
8.00	-29.956	-37.072	0.000	0.000	0.000	-2,884.864	-0.297	0.000	0.297	-0.352
9.00	-29.896	-36.752	0.000	0.000	0.000	-2,854.909	-0.375	0.000	0.375	-0.397
10.00	-29.837	-36.434	0.000	0.000	0.000	-2,825.013	-0.463	0.000	0.463	-0.441
11.00	-29.777	-36.116	0.000	0.000	0.000	-2,795.177	-0.561	0.000	0.561	-0.486
12.00	-29.718	-35.800	0.000	0.000	0.000	-2,765.400	-0.668	0.000	0.668	-0.531
13.00	-29.658	-35.485	0.000	0.000	0.000	-2,735.683	-0.784	0.000	0.784	-0.576
14.00	-29.599	-35.171	0.000	0.000	0.000	-2,706.025	-0.910	0.000	0.910	-0.622
15.00	-29.539	-34.858	0.000	0.000	0.000	-2,676.427	-1.045	0.000	1.045	-0.667
16.00	-29.479	-34.546	0.000	0.000	0.000	-2,646.888	-1.190	0.000	1.190	-0.712
17.00	-29.420	-34.235	0.000	0.000	0.000	-2,617.410	-1.344	0.000	1.344	-0.758
18.00	-29.360	-33.926	0.000	0.000	0.000	-2,587.990	-1.508	0.000	1.508	-0.804
19.00	-29.301	-33.617	0.000	0.000	0.000	-2,558.631	-1.682	0.000	1.682	-0.850
20.00	-29.241	-33.310	0.000	0.000	0.000	-2,529.331	-1.865	0.000	1.865	-0.896
21.00	-29.181	-33.004	0.000	0.000	0.000	-2,500.090	-2.058	0.000	2.058	-0.942
22.00	-29.122	-32.699	0.000	0.000	0.000	-2,470.909	-2.260	0.000	2.260	-0.988
23.00	-29.062	-32.395	0.000	0.000	0.000	-2,441.788	-2.472	0.000	2.472	-1.034
24.00	-29.002	-32.092	0.000	0.000	0.000	-2,412.727	-2.694	0.000	2.694	-1.080
25.00	-28.943	-31.790	0.000	0.000	0.000	-2,383.725	-2.925	0.000	2.925	-1.127
26.00	-28.883	-31.490	0.000	0.000	0.000	-2,354.783	-3.167	0.000	3.167	-1.174
27.00	-28.823	-31.190	0.000	0.000	0.000	-2,325.901	-3.418	0.000	3.418	-1.220
28.00	-28.763	-30.892	0.000	0.000	0.000	-2,297.078	-3.679	0.000	3.679	-1.267
29.00	-28.704	-30.595	0.000	0.000	0.000	-2,268.315	-3.949	0.000	3.949	-1.314
30.00	-28.644	-30.299	0.000	0.000	0.000	-2,239.612	-4.230	0.000	4.230	-1.361
31.00	-28.584	-30.004	0.000	0.000	0.000	-2,210.969	-4.520	0.000	4.520	-1.408
32.00	-28.524	-29.711	0.000	0.000	0.000	-2,182.385	-4.820	0.000	4.820	-1.455
33.00	-28.464	-29.418	0.000	0.000	0.000	-2,153.861	-5.130	0.000	5.130	-1.502
34.00	-28.404	-29.127	0.000	0.000	0.000	-2,125.397	-5.450	0.000	5.450	-1.550
35.00	-28.343	-28.837	0.000	0.000	0.000	-2,096.994	-5.780	0.000	5.780	-1.597
36.00	-28.281	-28.548	0.000	0.000	0.000	-2,068.652	-6.120	0.000	6.120	-1.645
37.00	-28.219	-28.260	0.000	0.000	0.000	-2,040.371	-6.470	0.000	6.470	-1.692
38.00	-28.156	-27.973	0.000	0.000	0.000	-2,012.153	-6.829	0.000	6.829	-1.740
39.00	-28.092	-27.688	0.000	0.000	0.000	-1,983.997	-7.199	0.000	7.199	-1.788
40.00	-28.028	-27.404	0.000	0.000	0.000	-1,955.905	-7.579	0.000	7.579	-1.835
41.00	-27.964	-27.121	0.000	0.000	0.000	-1,927.878	-7.968	0.000	7.968	-1.883
42.00	-27.898	-26.839	0.000	0.000	0.000	-1,899.915	-8.368	0.000	8.368	-1.931
43.00	-27.833	-26.558	0.000	0.000	0.000	-1,872.017	-8.778	0.000	8.778	-1.979
44.00	-27.766	-26.278	0.000	0.000	0.000	-1,844.185	-9.198	0.000	9.198	-2.027
45.00	-27.700	-26.000	0.000	0.000	0.000	-1,816.419	-9.627	0.000	9.627	-2.075
46.00	-27.624	-25.732	0.000	0.000	0.000	-1,788.719	-10.067	0.000	10.067	-2.123
46.25	-27.613	-25.657	0.000	0.000	0.000	-1,781.813	-10.179	0.000	10.179	-2.135
47.00	-27.558	-25.292	0.000	0.000	0.000	-1,761.104	-10.517	0.000	10.517	-2.171
48.00	-27.479	-24.812	0.000	0.000	0.000	-1,733.547	-10.977	0.000	10.977	-2.219
49.00	-27.400	-24.334	0.000	0.000	0.000	-1,706.068	-11.447	0.000	11.447	-2.267

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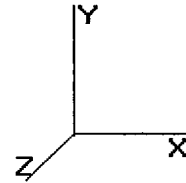
Code : TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

50.00	-27.320	-23.858	0.000	0.000	0.000	-1,678.668	-11.927	0.000	11.927	-2.315
51.00	-27.240	-23.385	0.000	0.000	0.000	-1,651.349	-12.418	0.000	12.418	-2.363
52.00	-27.166	-23.110	0.000	0.000	0.000	-1,624.110	-12.918	0.000	12.918	-2.411
53.00	-27.091	-22.838	0.000	0.000	0.000	-1,596.944	-13.428	0.000	13.428	-2.456
54.00	-27.016	-22.567	0.000	0.000	0.000	-1,569.854	-13.947	0.000	13.947	-2.500
55.00	-26.940	-22.298	0.000	0.000	0.000	-1,542.838	-14.475	0.000	14.475	-2.544
56.00	-26.864	-22.029	0.000	0.000	0.000	-1,515.899	-15.013	0.000	15.013	-2.588
57.00	-26.788	-21.762	0.000	0.000	0.000	-1,489.035	-15.560	0.000	15.560	-2.632
58.00	-26.711	-21.496	0.000	0.000	0.000	-1,462.247	-16.116	0.000	16.116	-2.676
59.00	-26.634	-21.232	0.000	0.000	0.000	-1,435.537	-16.681	0.000	16.681	-2.720
60.00	-26.557	-20.968	0.000	0.000	0.000	-1,408.902	-17.256	0.000	17.256	-2.764
61.00	-26.479	-20.706	0.000	0.000	0.000	-1,382.346	-17.839	0.000	17.839	-2.808
62.00	-26.402	-20.445	0.000	0.000	0.000	-1,355.867	-18.432	0.000	18.432	-2.852
63.00	-26.323	-20.185	0.000	0.000	0.000	-1,329.466	-19.034	0.000	19.034	-2.895
64.00	-26.245	-19.927	0.000	0.000	0.000	-1,303.143	-19.645	0.000	19.645	-2.939
65.00	-26.166	-19.670	0.000	0.000	0.000	-1,276.898	-20.266	0.000	20.266	-2.982
66.00	-26.087	-19.414	0.000	0.000	0.000	-1,250.732	-20.895	0.000	20.895	-3.025
67.00	-26.008	-19.159	0.000	0.000	0.000	-1,224.645	-21.533	0.000	21.533	-3.068
68.00	-25.929	-18.906	0.000	0.000	0.000	-1,198.637	-22.180	0.000	22.180	-3.111
69.00	-25.849	-18.654	0.000	0.000	0.000	-1,172.709	-22.836	0.000	22.836	-3.154
70.00	-25.769	-18.403	0.000	0.000	0.000	-1,146.860	-23.501	0.000	23.501	-3.196
71.00	-25.689	-18.154	0.000	0.000	0.000	-1,121.091	-24.175	0.000	24.175	-3.239
72.00	-25.609	-17.905	0.000	0.000	0.000	-1,095.403	-24.858	0.000	24.858	-3.281
73.00	-25.528	-17.659	0.000	0.000	0.000	-1,069.794	-25.550	0.000	25.550	-3.323
74.00	-25.448	-17.413	0.000	0.000	0.000	-1,044.266	-26.250	0.000	26.250	-3.364
75.00	-25.367	-17.169	0.000	0.000	0.000	-1,018.819	-26.959	0.000	26.959	-3.406
76.00	-25.286	-16.926	0.000	0.000	0.000	-993.453	-27.676	0.000	27.676	-3.447
77.00	-25.204	-16.684	0.000	0.000	0.000	-968.168	-28.403	0.000	28.403	-3.488
78.00	-25.123	-16.444	0.000	0.000	0.000	-942.964	-29.137	0.000	29.137	-3.528
79.00	-25.041	-16.205	0.000	0.000	0.000	-917.841	-29.880	0.000	29.880	-3.568
80.00	-24.960	-15.967	0.000	0.000	0.000	-892.800	-30.632	0.000	30.632	-3.608
81.00	-24.878	-15.731	0.000	0.000	0.000	-867.840	-31.391	0.000	31.391	-3.648
82.00	-24.796	-15.496	0.000	0.000	0.000	-842.963	-32.159	0.000	32.159	-3.687
83.00	-24.714	-15.262	0.000	0.000	0.000	-818.167	-32.935	0.000	32.935	-3.725
84.00	-24.632	-15.030	0.000	0.000	0.000	-793.454	-33.720	0.000	33.720	-3.764
85.00	-24.549	-14.799	0.000	0.000	0.000	-768.822	-34.512	0.000	34.512	-3.802
86.00	-24.467	-14.570	0.000	0.000	0.000	-744.273	-35.312	0.000	35.312	-3.839
87.00	-22.536	-12.974	0.000	0.000	0.000	-719.807	-36.119	0.000	36.119	-3.876
88.00	-22.453	-12.758	0.000	0.000	0.000	-697.271	-36.935	0.000	36.935	-3.912
89.00	-22.371	-12.544	0.000	0.000	0.000	-674.817	-37.758	0.000	37.758	-3.948
90.00	-22.288	-12.331	0.000	0.000	0.000	-652.447	-38.588	0.000	38.588	-3.984
91.00	-22.205	-12.119	0.000	0.000	0.000	-630.159	-39.426	0.000	39.426	-4.019
92.00	-22.122	-11.909	0.000	0.000	0.000	-607.955	-40.271	0.000	40.271	-4.053
93.00	-22.038	-11.703	0.000	0.000	0.000	-585.833	-41.123	0.000	41.123	-4.087
93.50	-21.996	-11.599	0.000	0.000	0.000	-574.814	-41.551	0.000	41.551	-4.104
94.00	-21.954	-11.462	0.000	0.000	0.000	-563.816	-41.982	0.000	41.982	-4.121
95.00	-21.866	-11.197	0.000	0.000	0.000	-541.862	-42.848	0.000	42.848	-4.153
96.00	-21.778	-10.933	0.000	0.000	0.000	-519.997	-43.721	0.000	43.721	-4.185
97.00	-21.687	-10.676	0.000	0.000	0.000	-498.219	-44.600	0.000	44.600	-4.217
97.25	-21.667	-10.608	0.000	0.000	0.000	-492.798	-44.821	0.000	44.821	-4.225
98.00	-21.614	-10.515	0.000	0.000	0.000	-476.548	-45.486	0.000	45.486	-4.248
99.00	-21.545	-10.391	0.000	0.000	0.000	-454.934	-46.384	0.000	46.384	-4.322
100.0	-17.692	-8.407	0.000	0.000	0.000	-433.389	-47.297	0.000	47.297	-4.395
101.0	-17.621	-8.301	0.000	0.000	0.000	-415.697	-48.225	0.000	48.225	-4.465
102.0	-17.550	-8.196	0.000	0.000	0.000	-398.077	-49.167	0.000	49.167	-4.535
103.0	-17.479	-8.091	0.000	0.000	0.000	-380.527	-50.124	0.000	50.124	-4.602
104.0	-17.408	-7.988	0.000	0.000	0.000	-363.048	-51.095	0.000	51.095	-4.669

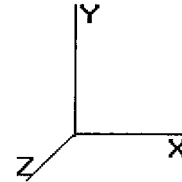
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

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Base Elev : 0.000 (ft)

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

105.0	-17.337	-7.886	0.000	0.000	0.000	-345.640	-52.079	0.000	52.079	-4.733
106.0	-17.266	-7.785	0.000	0.000	0.000	-328.303	-53.077	0.000	53.077	-4.796
107.0	-17.194	-7.685	0.000	0.000	0.000	-311.038	-54.087	0.000	54.087	-4.856
108.0	-17.123	-7.587	0.000	0.000	0.000	-293.844	-55.110	0.000	55.110	-4.915
109.0	-17.051	-7.489	0.000	0.000	0.000	-276.722	-56.145	0.000	56.145	-4.972
110.0	-12.778	-6.252	0.000	0.000	0.000	-259.671	-57.192	0.000	57.192	-5.026
111.0	-12.706	-6.170	0.000	0.000	0.000	-246.894	-58.249	0.000	58.249	-5.079
112.0	-12.634	-6.089	0.000	0.000	0.000	-234.188	-59.317	0.000	59.317	-5.130
113.0	-12.563	-6.009	0.000	0.000	0.000	-221.555	-60.396	0.000	60.396	-5.179
114.0	-12.491	-5.929	0.000	0.000	0.000	-208.992	-61.485	0.000	61.485	-5.227
115.0	-12.420	-5.851	0.000	0.000	0.000	-196.501	-62.584	0.000	62.584	-5.273
116.0	-12.348	-5.774	0.000	0.000	0.000	-184.082	-63.692	0.000	63.692	-5.318
117.0	-12.277	-5.697	0.000	0.000	0.000	-171.733	-64.809	0.000	64.809	-5.360
118.0	-12.206	-5.621	0.000	0.000	0.000	-159.456	-65.935	0.000	65.935	-5.401
119.0	-12.135	-5.546	0.000	0.000	0.000	-147.250	-67.070	0.000	67.070	-5.439
120.0	-9.125	-4.281	0.000	0.000	0.000	-135.115	-68.212	0.000	68.212	-5.475
121.0	-9.054	-4.217	0.000	0.000	0.000	-125.991	-69.361	0.000	69.361	-5.510
122.0	-8.984	-4.154	0.000	0.000	0.000	-116.937	-70.517	0.000	70.517	-5.543
123.0	-8.914	-4.091	0.000	0.000	0.000	-107.953	-71.680	0.000	71.680	-5.574
124.0	-8.844	-4.030	0.000	0.000	0.000	-99.040	-72.849	0.000	72.849	-5.603
125.0	-8.774	-3.969	0.000	0.000	0.000	-90.196	-74.024	0.000	74.024	-5.631
126.0	-8.705	-3.908	0.000	0.000	0.000	-81.422	-75.205	0.000	75.205	-5.656
127.0	-8.636	-3.849	0.000	0.000	0.000	-72.718	-76.390	0.000	76.390	-5.680
128.0	-8.567	-3.790	0.000	0.000	0.000	-64.082	-77.581	0.000	77.581	-5.701
129.0	-8.498	-3.732	0.000	0.000	0.000	-55.515	-78.775	0.000	78.775	-5.721
130.0	-8.430	-3.675	0.000	0.000	0.000	-47.017	-79.974	0.000	79.974	-5.738
131.0	-5.156	-2.521	0.000	0.000	0.000	-38.587	-81.176	0.000	81.176	-5.752
132.0	-5.089	-2.475	0.000	0.000	0.000	-33.431	-82.380	0.000	82.380	-5.765
133.0	-5.023	-2.430	0.000	0.000	0.000	-28.342	-83.587	0.000	83.587	-5.776
134.0	-4.956	-2.386	0.000	0.000	0.000	-23.319	-84.796	0.000	84.796	-5.786
135.0	-4.891	-2.342	0.000	0.000	0.000	-18.363	-86.007	0.000	86.007	-5.793
136.0	-4.825	-2.298	0.000	0.000	0.000	-13.472	-87.219	0.000	87.219	-5.800
137.0	-4.761	-2.256	0.000	0.000	0.000	-8.647	-88.433	0.000	88.433	-5.804
138.0	-0.126	-0.071	0.000	0.000	0.000	-0.189	-89.647	0.000	89.647	-5.807
139.0	-0.063	-0.035	0.000	0.000	0.000	-0.063	-90.861	0.000	90.861	-5.807
140.0	-0.059	0.000	0.000	0.000	0.000	0.000	-92.075	0.000	92.075	-5.807

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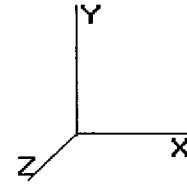
Code: TIA/EIA-222 Rev F

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

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

Calculated Stresses

Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.54	0.83	0.00	0.00	0.00	44.16	44.72	52.0	0.0	0.860
1.00	0.53	0.83	0.00	0.00	0.00	44.11	44.67	52.0	0.0	0.859
2.00	0.53	0.83	0.00	0.00	0.00	44.06	44.62	52.0	0.0	0.858
3.00	0.53	0.83	0.00	0.00	0.00	44.01	44.56	52.0	0.0	0.857
4.00	0.53	0.84	0.00	0.00	0.00	43.95	44.50	52.0	0.0	0.856
5.00	0.53	0.84	0.00	0.00	0.00	43.90	44.44	52.0	0.0	0.855
6.00	0.52	0.84	0.00	0.00	0.00	43.84	44.38	52.0	0.0	0.854
7.00	0.52	0.84	0.00	0.00	0.00	43.78	44.32	52.0	0.0	0.853
8.00	0.52	0.84	0.00	0.00	0.00	43.71	44.26	52.0	0.0	0.851
9.00	0.52	0.85	0.00	0.00	0.00	43.65	44.19	52.0	0.0	0.850
10.00	0.51	0.85	0.00	0.00	0.00	43.58	44.12	52.0	0.0	0.849
11.00	0.51	0.85	0.00	0.00	0.00	43.51	44.05	52.0	0.0	0.847
12.00	0.51	0.85	0.00	0.00	0.00	43.44	43.98	52.0	0.0	0.846
13.00	0.51	0.86	0.00	0.00	0.00	43.37	43.90	52.0	0.0	0.845
14.00	0.51	0.86	0.00	0.00	0.00	43.29	43.82	52.0	0.0	0.843
15.00	0.50	0.86	0.00	0.00	0.00	43.21	43.74	52.0	0.0	0.842
16.00	0.50	0.86	0.00	0.00	0.00	43.13	43.66	52.0	0.0	0.840
17.00	0.50	0.86	0.00	0.00	0.00	43.05	43.58	52.0	0.0	0.838
18.00	0.50	0.87	0.00	0.00	0.00	42.97	43.49	52.0	0.0	0.837
19.00	0.49	0.87	0.00	0.00	0.00	42.88	43.40	52.0	0.0	0.835
20.00	0.49	0.87	0.00	0.00	0.00	42.79	43.31	52.0	0.0	0.833
21.00	0.49	0.87	0.00	0.00	0.00	42.70	43.21	52.0	0.0	0.831
22.00	0.49	0.88	0.00	0.00	0.00	42.60	43.12	52.0	0.0	0.830
23.00	0.49	0.88	0.00	0.00	0.00	42.50	43.02	52.0	0.0	0.828
24.00	0.48	0.88	0.00	0.00	0.00	42.40	42.91	52.0	0.0	0.826
25.00	0.48	0.88	0.00	0.00	0.00	42.30	42.81	52.0	0.0	0.824
26.00	0.48	0.89	0.00	0.00	0.00	42.19	42.70	52.0	0.0	0.822
27.00	0.48	0.89	0.00	0.00	0.00	42.08	42.59	52.0	0.0	0.819
28.00	0.47	0.89	0.00	0.00	0.00	41.97	42.47	52.0	0.0	0.817
29.00	0.47	0.89	0.00	0.00	0.00	41.85	42.35	52.0	0.0	0.815
30.00	0.47	0.90	0.00	0.00	0.00	41.73	42.23	52.0	0.0	0.813
31.00	0.47	0.90	0.00	0.00	0.00	41.61	42.11	52.0	0.0	0.810
32.00	0.47	0.90	0.00	0.00	0.00	41.49	41.98	52.0	0.0	0.808
33.00	0.46	0.90	0.00	0.00	0.00	41.36	41.85	52.0	0.0	0.805
34.00	0.46	0.91	0.00	0.00	0.00	41.22	41.71	52.0	0.0	0.803
35.00	0.46	0.91	0.00	0.00	0.00	41.09	41.58	52.0	0.0	0.800
36.00	0.46	0.91	0.00	0.00	0.00	40.95	41.43	52.0	0.0	0.797
37.00	0.45	0.91	0.00	0.00	0.00	40.80	41.29	52.0	0.0	0.794
38.00	0.45	0.92	0.00	0.00	0.00	40.65	41.14	52.0	0.0	0.791
39.00	0.45	0.92	0.00	0.00	0.00	40.50	40.98	52.0	0.0	0.788
40.00	0.45	0.92	0.00	0.00	0.00	40.35	40.82	52.0	0.0	0.785
41.00	0.44	0.92	0.00	0.00	0.00	40.19	40.66	52.0	0.0	0.782
42.00	0.44	0.93	0.00	0.00	0.00	40.02	40.50	52.0	0.0	0.779
43.00	0.44	0.93	0.00	0.00	0.00	39.85	40.32	52.0	0.0	0.776
44.00	0.44	0.93	0.00	0.00	0.00	39.68	40.15	52.0	0.0	0.772
45.00	0.44	0.93	0.00	0.00	0.00	39.50	39.97	52.0	0.0	0.769
46.00	0.43	0.94	0.00	0.00	0.00	39.32	39.78	52.0	0.0	0.765
46.25	0.43	0.94	0.00	0.00	0.00	39.27	39.74	52.0	0.0	0.765
47.00	0.43	0.94	0.00	0.00	0.00	39.13	39.59	52.0	0.0	0.762
48.00	0.42	0.94	0.00	0.00	0.00	38.94	39.39	52.0	0.0	0.758
49.00	0.42	0.94	0.00	0.00	0.00	38.74	39.19	52.0	0.0	0.754

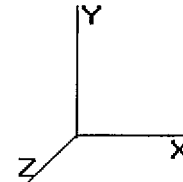
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Load Case: No Ice	90.00 mph Wind with No Ice	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

50.00	0.41	0.95	0.00	0.00	0.00	38.54	38.98	52.0	0.0	0.750
51.00	0.39	0.92	0.00	0.00	0.00	36.30	36.73	52.0	0.0	0.707
52.00	0.39	0.93	0.00	0.00	0.00	36.09	36.51	52.0	0.0	0.703
53.00	0.39	0.93	0.00	0.00	0.00	35.87	36.29	52.0	0.0	0.698
54.00	0.39	0.93	0.00	0.00	0.00	35.65	36.07	52.0	0.0	0.694
55.00	0.38	0.93	0.00	0.00	0.00	35.42	35.84	52.0	0.0	0.690
56.00	0.38	0.94	0.00	0.00	0.00	35.19	35.61	52.0	0.0	0.685
57.00	0.38	0.94	0.00	0.00	0.00	34.95	35.37	52.0	0.0	0.680
58.00	0.38	0.94	0.00	0.00	0.00	34.71	35.12	52.0	0.0	0.676
59.00	0.37	0.94	0.00	0.00	0.00	34.46	34.87	52.0	0.0	0.671
60.00	0.37	0.95	0.00	0.00	0.00	34.20	34.61	52.0	0.0	0.666
61.00	0.37	0.95	0.00	0.00	0.00	33.94	34.35	52.0	0.0	0.661
62.00	0.37	0.95	0.00	0.00	0.00	33.67	34.08	52.0	0.0	0.656
63.00	0.36	0.95	0.00	0.00	0.00	33.40	33.80	52.0	0.0	0.650
64.00	0.36	0.96	0.00	0.00	0.00	33.11	33.52	52.0	0.0	0.645
65.00	0.36	0.96	0.00	0.00	0.00	32.83	33.23	52.0	0.0	0.639
66.00	0.36	0.96	0.00	0.00	0.00	32.53	32.93	52.0	0.0	0.634
67.00	0.35	0.97	0.00	0.00	0.00	32.23	32.62	52.0	0.0	0.628
68.00	0.35	0.97	0.00	0.00	0.00	31.92	32.31	52.0	0.0	0.622
69.00	0.35	0.97	0.00	0.00	0.00	31.60	31.99	52.0	0.0	0.616
70.00	0.34	0.97	0.00	0.00	0.00	31.28	31.67	52.0	0.0	0.609
71.00	0.34	0.98	0.00	0.00	0.00	30.94	31.33	52.0	0.0	0.603
72.00	0.34	0.98	0.00	0.00	0.00	30.60	30.99	52.0	0.0	0.596
73.00	0.34	0.98	0.00	0.00	0.00	30.25	30.64	52.0	0.0	0.589
74.00	0.33	0.98	0.00	0.00	0.00	29.89	30.28	52.0	0.0	0.583
75.00	0.33	0.99	0.00	0.00	0.00	29.53	29.91	52.0	0.0	0.575
76.00	0.33	0.99	0.00	0.00	0.00	29.15	29.53	52.0	0.0	0.568
77.00	0.33	0.99	0.00	0.00	0.00	28.77	29.14	52.0	0.0	0.561
78.00	0.32	1.00	0.00	0.00	0.00	28.37	28.75	52.0	0.0	0.553
79.00	0.32	1.00	0.00	0.00	0.00	27.97	28.34	52.0	0.0	0.545
80.00	0.32	1.00	0.00	0.00	0.00	27.55	27.92	52.0	0.0	0.537
81.00	0.32	1.01	0.00	0.00	0.00	27.13	27.50	52.0	0.0	0.529
82.00	0.31	1.01	0.00	0.00	0.00	26.69	27.06	52.0	0.0	0.521
83.00	0.31	1.01	0.00	0.00	0.00	26.24	26.61	52.0	0.0	0.512
84.00	0.31	1.01	0.00	0.00	0.00	25.78	26.15	52.0	0.0	0.503
85.00	0.30	1.02	0.00	0.00	0.00	25.31	25.68	52.0	0.0	0.494
86.00	0.30	1.02	0.00	0.00	0.00	24.83	25.19	52.0	0.0	0.485
87.00	0.27	0.95	0.00	0.00	0.00	24.34	24.66	52.0	0.0	0.474
88.00	0.27	0.95	0.00	0.00	0.00	23.89	24.21	52.0	0.0	0.466
89.00	0.27	0.95	0.00	0.00	0.00	23.44	23.76	52.0	0.0	0.457
90.00	0.26	0.96	0.00	0.00	0.00	22.97	23.29	52.0	0.0	0.448
91.00	0.26	0.96	0.00	0.00	0.00	22.49	22.81	52.0	0.0	0.439
92.00	0.26	0.96	0.00	0.00	0.00	22.00	22.32	52.0	0.0	0.429
93.00	0.25	0.96	0.00	0.00	0.00	21.49	21.81	52.0	0.0	0.420
93.50	0.25	0.97	0.00	0.00	0.00	21.24	21.55	52.0	0.0	0.415
94.00	0.25	0.97	0.00	0.00	0.00	20.98	21.29	52.0	0.0	0.410
95.00	0.25	0.97	0.00	0.00	0.00	20.44	20.76	52.0	0.0	0.399
96.00	0.24	0.97	0.00	0.00	0.00	19.90	20.21	52.0	0.0	0.389
97.00	0.24	0.98	0.00	0.00	0.00	19.34	19.65	52.0	0.0	0.378
97.25	0.62	2.54	0.00	0.00	0.00	48.24	49.06	51.3	0.0	0.956
98.00	0.62	2.55	0.00	0.00	0.00	47.14	47.96	51.5	0.0	0.932
99.00	0.61	2.56	0.00	0.00	0.00	45.64	46.46	51.6	0.0	0.900
100.00	0.50	2.12	0.00	0.00	0.00	44.10	44.75	51.8	0.0	0.864
101.00	0.50	2.12	0.00	0.00	0.00	42.90	43.55	51.9	0.0	0.839
102.00	0.49	2.13	0.00	0.00	0.00	41.68	42.33	52.0	0.0	0.814
103.00	0.49	2.14	0.00	0.00	0.00	40.42	41.08	52.0	0.0	0.790
104.00	0.49	2.14	0.00	0.00	0.00	39.13	39.79	52.0	0.0	0.765

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)

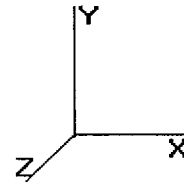
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Base Elev : 0.000 (ft)

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

105.00	0.49	2.15	0.00	0.00	0.00	37.80	38.47	52.0	0.0	0.740
106.00	0.48	2.16	0.00	0.00	0.00	36.44	37.11	52.0	0.0	0.714
107.00	0.48	2.16	0.00	0.00	0.00	35.04	35.71	52.0	0.0	0.687
108.00	0.48	2.17	0.00	0.00	0.00	33.60	34.28	52.0	0.0	0.660
109.00	0.47	2.18	0.00	0.00	0.00	32.12	32.82	52.0	0.0	0.631
110.00	0.40	1.64	0.00	0.00	0.00	30.61	31.14	52.0	0.0	0.599
111.00	0.40	1.65	0.00	0.00	0.00	29.55	30.08	52.0	0.0	0.579
112.00	0.39	1.65	0.00	0.00	0.00	28.46	29.00	52.0	0.0	0.558
113.00	0.39	1.65	0.00	0.00	0.00	27.35	27.89	52.0	0.0	0.537
114.00	0.39	1.66	0.00	0.00	0.00	26.21	26.75	52.0	0.0	0.515
115.00	0.39	1.66	0.00	0.00	0.00	25.03	25.58	52.0	0.0	0.492
116.00	0.39	1.67	0.00	0.00	0.00	23.83	24.39	52.0	0.0	0.469
117.00	0.38	1.67	0.00	0.00	0.00	22.59	23.15	52.0	0.0	0.445
118.00	0.38	1.67	0.00	0.00	0.00	21.32	21.89	52.0	0.0	0.421
119.00	0.38	1.68	0.00	0.00	0.00	20.01	20.59	52.0	0.0	0.396
120.00	0.30	1.27	0.00	0.00	0.00	18.66	19.09	52.0	0.0	0.367
121.00	0.29	1.27	0.00	0.00	0.00	17.69	18.12	52.0	0.0	0.349
122.00	0.29	1.27	0.00	0.00	0.00	16.70	17.13	52.0	0.0	0.330
123.00	0.29	1.27	0.00	0.00	0.00	15.68	16.12	52.0	0.0	0.310
124.00	0.29	1.27	0.00	0.00	0.00	14.63	15.08	52.0	0.0	0.290
125.00	0.29	1.27	0.00	0.00	0.00	13.56	14.02	52.0	0.0	0.270
126.00	0.28	1.28	0.00	0.00	0.00	12.45	12.93	52.0	0.0	0.249
127.00	0.28	1.28	0.00	0.00	0.00	11.32	11.81	52.0	0.0	0.227
128.00	0.28	1.28	0.00	0.00	0.00	10.15	10.66	52.0	0.0	0.205
129.00	0.28	1.28	0.00	0.00	0.00	8.95	9.49	52.0	0.0	0.183
130.00	0.28	1.28	0.00	0.00	0.00	7.72	8.30	52.0	0.0	0.160
131.00	0.19	0.79	0.00	0.00	0.00	6.45	6.78	52.0	0.0	0.130
132.00	0.19	0.79	0.00	0.00	0.00	5.69	6.04	52.0	0.0	0.116
133.00	0.19	0.78	0.00	0.00	0.00	4.91	5.28	52.0	0.0	0.102
134.00	0.19	0.78	0.00	0.00	0.00	4.12	4.51	52.0	0.0	0.087
135.00	0.18	0.78	0.00	0.00	0.00	3.30	3.74	52.0	0.0	0.072
136.00	0.18	0.77	0.00	0.00	0.00	2.47	2.97	52.0	0.0	0.057
137.00	0.18	0.77	0.00	0.00	0.00	1.62	2.24	52.0	0.0	0.043
138.00	0.01	0.02	0.00	0.00	0.00	0.04	0.06	52.0	0.0	0.001
139.00	0.00	0.01	0.00	0.00	0.00	0.01	0.02	52.0	0.0	0.000
140.00	0.00	0.01	0.00	0.00	0.00	0.00	0.02	52.0	0.0	0.000

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

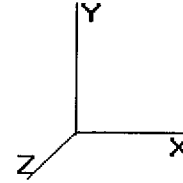
Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Shaft Segment Forces

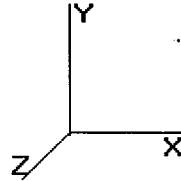
Seg Top Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		0.00	1.00 15.551	26.28 306.10	0.650	0.500	0.00	0.000	0.00	0.00	0.0	0.0	0.0
1.00		0.00	1.00 15.551	26.28 304.81	0.650	0.500	1.00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

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

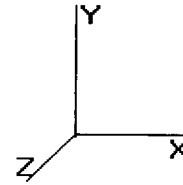
50.00		0.00	1.12	17.511	29.59	255.89	0.650	0.500	1.00	3.269	2.12	62.9	23.8	425.9
51.00	Top - Section 1	0.00	1.13	17.611	29.76	255.23	0.650	0.500	1.00	3.252	2.11	62.9	23.7	423.6
52.00		0.00	1.13	17.709	29.92	261.49	0.650	0.500	1.00	3.236	2.10	62.9	23.6	225.2
53.00		0.00	1.14	17.805	30.09	260.81	0.650	0.500	1.00	3.219	2.09	63.0	23.5	224.0
54.00		0.00	1.15	17.901	30.25	260.11	0.650	0.500	1.00	3.202	2.08	63.0	23.3	222.8
55.00		0.00	1.15	17.995	30.41	259.40	0.650	0.500	1.00	3.186	2.07	63.0	23.2	221.6
56.00		0.00	1.16	18.088	30.56	258.66	0.650	0.500	1.00	3.169	2.06	63.0	23.1	220.4
57.00		0.00	1.16	18.179	30.72	257.92	0.650	0.500	1.00	3.152	2.05	63.0	23.0	219.1
58.00		0.00	1.17	18.270	30.87	257.15	0.650	0.500	1.00	3.136	2.04	62.9	22.9	217.9
59.00		0.00	1.18	18.359	31.02	256.37	0.650	0.500	1.00	3.119	2.03	62.9	22.7	216.7
60.00		0.00	1.18	18.448	31.17	255.57	0.650	0.500	1.00	3.102	2.02	62.9	22.6	215.5
61.00		0.00	1.19	18.535	31.32	254.75	0.650	0.500	1.00	3.086	2.01	62.8	22.5	214.3
62.00		0.00	1.19	18.621	31.47	253.92	0.650	0.500	1.00	3.069	1.99	62.8	22.4	213.1
63.00		0.00	1.20	18.707	31.61	253.08	0.650	0.500	1.00	3.052	1.98	62.7	22.2	211.9
64.00		0.00	1.20	18.791	31.75	252.22	0.650	0.500	1.00	3.036	1.97	62.7	22.1	210.7
65.00		0.00	1.21	18.874	31.89	251.35	0.650	0.500	1.00	3.019	1.96	62.6	22.0	209.5
66.00		0.00	1.21	18.957	32.03	250.46	0.650	0.500	1.00	3.002	1.95	62.5	21.9	208.3
67.00		0.00	1.22	19.039	32.17	249.56	0.650	0.500	1.00	2.986	1.94	62.4	21.7	207.1
68.00		0.00	1.22	19.119	32.31	248.65	0.650	0.500	1.00	2.969	1.93	62.4	21.6	205.9
69.00		0.00	1.23	19.199	32.44	247.73	0.650	0.500	1.00	2.952	1.92	62.3	21.5	204.7
70.00		0.00	1.24	19.278	32.58	246.79	0.650	0.500	1.00	2.936	1.91	62.2	21.4	203.5
71.00		0.00	1.24	19.357	32.71	245.84	0.650	0.500	1.00	2.919	1.90	62.1	21.2	202.3
72.00		0.00	1.25	19.434	32.84	244.88	0.650	0.500	1.00	2.902	1.89	62.0	21.1	201.1
73.00		0.00	1.25	19.511	32.97	243.91	0.650	0.500	1.00	2.886	1.88	61.8	21.0	199.9
74.00		0.00	1.26	19.587	33.10	242.93	0.650	0.500	1.00	2.869	1.86	61.7	20.9	198.7
75.00		0.00	1.26	19.662	33.22	241.93	0.650	0.500	1.00	2.852	1.85	61.6	20.8	197.5
76.00		0.00	1.26	19.737	33.35	240.93	0.650	0.500	1.00	2.836	1.84	61.5	20.6	196.3
77.00		0.00	1.27	19.811	33.48	239.91	0.650	0.500	1.00	2.819	1.83	61.3	20.5	195.1
78.00		0.00	1.27	19.884	33.60	238.88	0.650	0.500	1.00	2.802	1.82	61.2	20.4	193.9
79.00		0.00	1.28	19.956	33.72	237.85	0.650	0.500	1.00	2.786	1.81	61.1	20.3	192.7
80.00		0.00	1.28	20.028	33.84	236.80	0.650	0.500	1.00	2.769	1.80	60.9	20.1	191.5
81.00		0.00	1.29	20.099	33.96	235.74	0.650	0.500	1.00	2.752	1.79	60.8	20.0	190.3
82.00		0.00	1.29	20.170	34.08	234.68	0.650	0.500	1.00	2.736	1.78	60.6	19.9	189.1
83.00		0.00	1.30	20.240	34.20	233.60	0.650	0.500	1.00	2.719	1.77	60.5	19.8	187.9
84.00		0.00	1.30	20.309	34.32	232.52	0.650	0.500	1.00	2.702	1.76	60.3	19.6	186.6
85.00		0.00	1.31	20.378	34.43	231.42	0.650	0.500	1.00	2.686	1.75	60.1	19.5	185.4
86.00		0.00	1.31	20.446	34.55	230.32	0.650	0.500	1.00	2.669	1.73	59.9	19.4	184.2
87.00	Appertunance(s)	0.00	1.31	20.514	34.66	229.21	0.650	0.500	1.00	2.652	1.72	59.8	19.3	183.0
88.00		0.00	1.32	20.581	34.78	228.09	0.650	0.500	1.00	2.636	1.71	59.6	19.1	181.8
89.00		0.00	1.32	20.647	34.89	226.96	0.650	0.500	1.00	2.619	1.70	59.4	19.0	180.6
90.00		0.00	1.33	20.714	35.00	225.82	0.650	0.500	1.00	2.602	1.69	59.2	18.9	179.4
91.00		0.00	1.33	20.779	35.11	224.68	0.650	0.500	1.00	2.586	1.68	59.0	18.8	178.2
92.00		0.00	1.34	20.844	35.22	223.53	0.650	0.500	1.00	2.569	1.67	58.8	18.7	177.0
93.00		0.00	1.34	20.908	35.33	222.36	0.650	0.500	1.00	2.552	1.66	58.6	18.5	175.8
93.50	Bot - Section 3	0.00	1.34	20.941	35.38	221.78	0.650	0.500	0.50	1.270	0.83	29.2	9.2	87.5
94.00		0.00	1.34	20.972	35.44	221.20	0.650	0.500	0.50	1.281	0.83	29.5	9.3	117.2
95.00		0.00	1.35	21.036	35.55	220.02	0.650	0.500	1.00	2.550	1.66	58.9	18.5	233.2
96.00		0.00	1.35	21.099	35.65	218.84	0.650	0.500	1.00	2.533	1.65	58.7	18.4	231.6
97.00		0.00	1.36	21.162	35.76	217.64	0.650	0.500	1.00	2.517	1.64	58.5	18.3	230.0
97.25	Top - Section 2	0.00	1.36	21.177	35.78	217.35	0.650	0.500	0.25	0.627	0.41	14.6	4.6	57.3
98.00		0.00	1.36	21.224	35.86	219.29	0.650	0.500	0.75	1.874	1.22	43.7	13.6	57.3
99.00		0.00	1.36	21.285	35.97	218.09	0.650	0.500	1.00	2.483	1.61	58.1	18.0	76.0
100.00	Appertunance(s)	0.00	1.37	21.347	36.07	216.88	0.650	0.500	1.00	2.467	1.60	57.8	17.9	75.4
101.00		0.00	1.37	21.407	36.17	215.66	0.650	0.500	1.00	2.450	1.59	57.6	17.8	74.9
102.00		0.00	1.38	21.468	36.28	214.44	0.650	0.500	1.00	2.433	1.58	57.4	17.7	74.4
103.00		0.00	1.38	21.528	36.38	213.21	0.650	0.500	1.00	2.417	1.57	57.2	17.5	73.9
104.00		0.00	1.38	21.587	36.48	211.98	0.650	0.500	1.00	2.400	1.56	56.9	17.4	73.3

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

105.0		0.00	1.39	21.646	36.58	210.73	0.650	0.500	1.00	2.383	1.55	56.7	17.3	72.8
106.0		0.00	1.39	21.705	36.68	209.48	0.650	0.500	1.00	2.367	1.54	56.4	17.2	72.3
107.0		0.00	1.39	21.763	36.78	208.23	0.650	0.500	1.00	2.350	1.53	56.2	17.0	71.7
108.0		0.00	1.40	21.821	36.87	206.97	0.650	0.500	1.00	2.333	1.52	55.9	16.9	71.2
109.0		0.00	1.40	21.879	36.97	205.70	0.650	0.500	1.00	2.317	1.51	55.7	16.8	70.7
110.0	Appertunance(s)	0.00	1.41	21.936	37.07	204.42	0.650	0.500	1.00	2.300	1.50	55.4	16.7	70.2
111.0		0.00	1.41	21.993	37.16	203.14	0.650	0.500	1.00	2.283	1.48	55.2	16.5	69.6
112.0		0.00	1.41	22.049	37.26	201.86	0.650	0.500	1.00	2.267	1.47	54.9	16.4	69.1
113.0		0.00	1.42	22.105	37.35	200.56	0.650	0.500	1.00	2.250	1.46	54.6	16.3	68.6
114.0		0.00	1.42	22.161	37.45	199.26	0.650	0.500	1.00	2.233	1.45	54.4	16.2	68.0
115.0		0.00	1.42	22.216	37.54	197.96	0.650	0.500	1.00	2.217	1.44	54.1	16.0	67.5
116.0		0.00	1.43	22.271	37.63	196.65	0.650	0.500	1.00	2.200	1.43	53.8	15.9	67.0
117.0		0.00	1.43	22.326	37.73	195.34	0.650	0.500	1.00	2.183	1.42	53.5	15.8	66.5
118.0		0.00	1.43	22.380	37.82	194.01	0.650	0.500	1.00	2.167	1.41	53.3	15.7	65.9
119.0		0.00	1.44	22.434	37.91	192.69	0.650	0.500	1.00	2.150	1.40	53.0	15.6	65.4
120.0	Appertunance(s)	0.00	1.44	22.488	38.00	191.36	0.650	0.500	1.00	2.133	1.39	52.7	15.4	64.9
121.0		0.00	1.45	22.541	38.09	190.02	0.650	0.500	1.00	2.117	1.38	52.4	15.3	64.3
122.0		0.00	1.45	22.594	38.18	188.68	0.650	0.500	1.00	2.100	1.37	52.1	15.2	63.8
123.0		0.00	1.45	22.647	38.27	187.33	0.650	0.500	1.00	2.083	1.35	51.8	15.1	63.3
124.0		0.00	1.46	22.700	38.36	185.98	0.650	0.500	1.00	2.067	1.34	51.5	14.9	62.8
125.0		0.00	1.46	22.752	38.45	184.62	0.650	0.500	1.00	2.050	1.33	51.2	14.8	62.2
126.0		0.00	1.46	22.804	38.53	183.25	0.650	0.500	1.00	2.033	1.32	50.9	14.7	61.7
127.0		0.00	1.47	22.855	38.62	181.89	0.650	0.500	1.00	2.017	1.31	50.6	14.6	61.2
128.0		0.00	1.47	22.906	38.71	180.51	0.650	0.500	1.00	2.000	1.30	50.3	14.4	60.6
129.0		0.00	1.47	22.957	38.79	179.14	0.650	0.500	1.00	1.983	1.29	50.0	14.3	60.1
130.0		0.00	1.48	23.008	38.88	177.75	0.650	0.500	1.00	1.967	1.28	49.7	14.2	59.6
131.0	Appertunance(s)	0.00	1.48	23.059	38.96	176.37	0.650	0.500	1.00	1.950	1.27	49.4	14.1	59.1
132.0		0.00	1.48	23.109	39.05	174.97	0.650	0.500	1.00	1.933	1.26	49.1	13.9	58.5
133.0		0.00	1.48	23.159	39.13	173.58	0.650	0.500	1.00	1.917	1.25	48.8	13.8	58.0
134.0		0.00	1.49	23.208	39.22	172.18	0.650	0.500	1.00	1.900	1.24	48.4	13.7	57.5
135.0		0.00	1.49	23.258	39.30	170.77	0.650	0.500	1.00	1.883	1.22	48.1	13.6	56.9
136.0		0.00	1.49	23.307	39.38	169.36	0.650	0.500	1.00	1.867	1.21	47.8	13.5	56.4
137.0		0.00	1.50	23.356	39.47	167.94	0.650	0.500	1.00	1.850	1.20	47.5	13.3	55.9
138.0	Appertunance(s)	0.00	1.50	23.404	39.55	166.53	0.650	0.500	1.00	1.833	1.19	47.1	13.2	55.4
139.0		0.00	1.50	23.452	39.63	165.10	0.650	0.500	1.00	1.817	1.18	46.8	13.1	54.8
140.0		0.00	1.51	23.501	39.71	163.67	0.650	0.500	1.00	1.800	1.17	46.5	13.0	54.3
Totals:								140.00				8,292.9	2,965.5	25,917.9

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

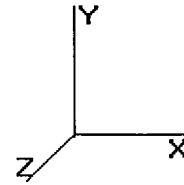
Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Discrete Appurtenance Segment Forces

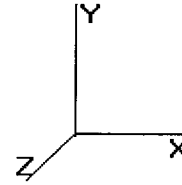
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Andrew	3	20.514	34.668	0.33	0.80	0.000	0.000	27.80	0.00	0.00	48.90
87.00	Flat Low Profile Pla	1	20.514	34.668	1.00	29.07	0.000	0.000	1,007.81	0.00	0.00	1,500.00
87.00	RFS APX16DWV-	3	20.514	34.668	0.67	13.31	0.000	0.000	461.30	0.00	0.00	208.14
87.00	RFS ATMAA1412D-	3	20.514	34.668	0.33	1.18	0.000	0.000	40.84	0.00	0.00	61.80
100.0	Ericsson RRUS 11 (Ba	6	21.347	36.076	0.33	5.56	0.000	0.000	200.72	0.00	0.00	445.80
100.0	Flat Low Profile Pla	1	21.347	36.076	0.95	27.62	0.000	0.000	996.28	0.00	0.00	1,500.00
100.0	Powerwave 7770.00	6	21.347	36.076	0.75	27.18	0.000	0.000	980.54	0.00	0.00	405.66
100.0	Powerwave LCP21401	6	21.347	36.076	0.33	2.59	0.000	0.000	93.57	0.00	0.00	127.56
100.0	Powerwave LCP21901	6	21.347	36.076	0.33	0.57	0.000	0.000	20.71	0.00	0.00	46.20
100.0	Powerwave P65-16-	3	21.347	36.076	0.78	20.64	0.000	0.000	744.56	0.00	0.00	300.60
100.0	Raycap DC6-48-60-18-	1	21.347	36.076	1.00	1.46	0.000	0.000	52.67	0.00	0.00	49.50
110.0	Antel BXA-171063-8BF	3	21.936	37.072	0.87	8.93	0.000	0.000	330.91	0.00	0.00	87.84
110.0	Antel BXA-70063/6CF	1	21.936	37.072	1.00	8.55	0.000	0.000	316.96	0.00	0.00	56.90
110.0	Antel LPA-80063-6CF-	2	21.936	37.072	0.95	21.58	0.000	0.000	800.15	0.00	0.00	203.82
110.0	Flat Low Profile Pla	1	21.936	37.072	0.90	26.16	0.000	0.000	969.90	0.00	0.00	1,500.00
110.0	Powerwave P65-16-	2	21.936	37.072	0.75	13.23	0.000	0.000	490.46	0.00	0.00	155.06
110.0	RFS APL868013-42T0	4	21.936	37.072	0.88	14.36	0.000	0.000	532.41	0.00	0.00	128.00
110.0	RFS FD9R6004/2C-3L	6	21.936	37.072	0.33	0.99	0.000	0.000	36.70	0.00	0.00	29.40
120.0	48" x 8" Panel	12	22.488	38.005	0.73	35.74	0.000	0.000	1,358.32	0.00	0.00	483.59
120.0	Flat Low Profile Pla	1	22.488	38.005	0.95	27.62	0.000	0.000	1,049.56	0.00	0.00	1,500.00
131.0	Decibel 980F65E-M	12	23.059	38.969	0.81	41.99	0.000	0.000	1,636.33	0.00	0.00	358.20
131.0	Flat Low Profile Pla	1	23.059	38.969	0.95	27.62	0.000	0.000	1,076.19	0.00	0.00	1,500.00
138.0	6' Dipole	1	23.404	39.553	1.00	5.50	0.000	0.000	217.54	0.00	0.00	50.00
138.0	6' FM Antenna	1	23.596	39.877	0.95	14.03	0.000	4.000	559.54	0.00	2,238.15	112.70
138.0	6' Omni	7	23.404	39.553	1.00	14.91	0.000	0.000	589.74	0.00	0.00	267.68
138.0	8' Omni	2	23.596	39.877	1.00	6.46	0.000	4.000	257.61	0.00	1,030.43	124.00
138.0	8' Omni	2	23.404	39.553	1.00	6.46	0.000	0.000	255.51	0.00	0.00	124.00
138.0	8' Omni (inverted)	1	23.208	39.222	1.00	3.23	0.000	-4.000	126.69	0.00	-506.75	62.00
138.0	Andrew DB589	1	23.702	40.057	1.00	2.20	0.000	6.250	88.12	0.00	550.78	20.00
138.0	Andrew VHLP2.5-10W	1	23.404	39.553	0.90	8.02	0.000	0.000	317.18	0.00	0.00	97.03
138.0	Flat Platform w/ Han	1	23.404	39.553	0.95	36.38	0.000	0.000	1,439.14	0.00	0.00	2,550.00
									17,075.74			14,104.37

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: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Applied Segment Forces Summary

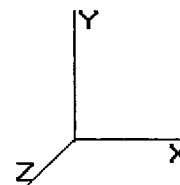
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	68.37	334.92	0.00	0.00
2.00	68.09	333.72	0.00	0.00
3.00	67.80	332.51	0.00	0.00
4.00	67.52	331.31	0.00	0.00
5.00	67.23	330.11	0.00	0.00
6.00	66.95	328.90	0.00	0.00
7.00	66.67	327.70	0.00	0.00
8.00	66.38	326.50	0.00	0.00
9.00	66.10	325.29	0.00	0.00
10.00	65.81	324.09	0.00	0.00
11.00	65.53	322.89	0.00	0.00
12.00	65.24	321.68	0.00	0.00
13.00	64.96	320.48	0.00	0.00
14.00	64.67	319.27	0.00	0.00
15.00	64.39	318.07	0.00	0.00
16.00	64.10	316.87	0.00	0.00
17.00	63.82	315.66	0.00	0.00
18.00	63.53	314.46	0.00	0.00
19.00	63.25	313.26	0.00	0.00
20.00	62.96	312.05	0.00	0.00
21.00	62.68	310.85	0.00	0.00
22.00	62.39	309.65	0.00	0.00
23.00	62.11	308.44	0.00	0.00
24.00	61.82	307.24	0.00	0.00
25.00	61.54	306.03	0.00	0.00
26.00	61.25	304.83	0.00	0.00
27.00	60.97	303.63	0.00	0.00
28.00	60.69	302.42	0.00	0.00
29.00	60.40	301.22	0.00	0.00
30.00	60.12	300.02	0.00	0.00
31.00	59.83	298.81	0.00	0.00
32.00	59.55	297.61	0.00	0.00
33.00	59.26	296.41	0.00	0.00
34.00	59.48	295.20	0.00	0.00
35.00	59.69	294.00	0.00	0.00
36.00	59.88	292.79	0.00	0.00
37.00	60.05	291.59	0.00	0.00
38.00	60.22	290.39	0.00	0.00
39.00	60.37	289.18	0.00	0.00
40.00	60.50	287.98	0.00	0.00
41.00	60.63	286.78	0.00	0.00
42.00	60.74	285.57	0.00	0.00
43.00	60.85	284.37	0.00	0.00
44.00	60.94	283.17	0.00	0.00
45.00	61.02	281.96	0.00	0.00
46.00	61.09	280.76	0.00	0.00
46.25	15.25	70.01	0.00	0.00
47.00	47.02	365.16	0.00	0.00
48.00	62.79	484.86	0.00	0.00

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

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

49.00	62.84	482.58	0.00	0.00
50.00	62.88	480.29	0.00	0.00
51.00	62.92	478.01	0.00	0.00
52.00	62.94	279.55	0.00	0.00
53.00	62.96	278.35	0.00	0.00
54.00	62.97	277.15	0.00	0.00
55.00	62.97	275.94	0.00	0.00
56.00	62.97	274.74	0.00	0.00
57.00	62.95	273.54	0.00	0.00
58.00	62.93	272.33	0.00	0.00
59.00	62.90	271.13	0.00	0.00
60.00	62.87	269.92	0.00	0.00
61.00	62.83	268.72	0.00	0.00
62.00	62.78	267.52	0.00	0.00
63.00	62.72	266.31	0.00	0.00
64.00	62.66	265.11	0.00	0.00
65.00	62.59	263.91	0.00	0.00
66.00	62.52	262.70	0.00	0.00
67.00	62.44	261.50	0.00	0.00
68.00	62.36	260.30	0.00	0.00
69.00	62.27	259.09	0.00	0.00
70.00	62.17	257.89	0.00	0.00
71.00	62.07	256.68	0.00	0.00
72.00	61.96	255.48	0.00	0.00
73.00	61.85	254.28	0.00	0.00
74.00	61.73	253.07	0.00	0.00
75.00	61.61	251.87	0.00	0.00
76.00	61.48	250.67	0.00	0.00
77.00	61.35	249.46	0.00	0.00
78.00	61.21	248.26	0.00	0.00
79.00	61.07	247.05	0.00	0.00
80.00	60.92	245.85	0.00	0.00
81.00	60.77	244.65	0.00	0.00
82.00	60.61	243.44	0.00	0.00
83.00	60.45	242.24	0.00	0.00
84.00	60.29	241.04	0.00	0.00
85.00	60.12	239.83	0.00	0.00
86.00	59.94	238.63	0.00	0.00
87.00	1,597.52	2,056.27	0.00	0.00
88.00	59.59	226.38	0.00	0.00
89.00	59.40	225.18	0.00	0.00
90.00	59.21	223.97	0.00	0.00
91.00	59.02	222.77	0.00	0.00
92.00	58.82	221.57	0.00	0.00
93.00	58.62	220.36	0.00	0.00
93.50	29.21	109.75	0.00	0.00
94.00	29.52	139.49	0.00	0.00
95.00	58.93	277.75	0.00	0.00
96.00	58.72	276.14	0.00	0.00
97.00	58.51	274.53	0.00	0.00
97.25	14.58	68.39	0.00	0.00
98.00	43.68	90.74	0.00	0.00
99.00	58.07	120.51	0.00	0.00
100.0	3,146.90	2,995.30	0.00	0.00
101.0	57.62	108.53	0.00	0.00
102.0	57.39	108.00	0.00	0.00
103.0	57.15	107.47	0.00	0.00

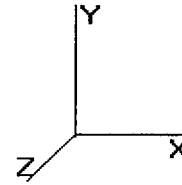
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

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Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

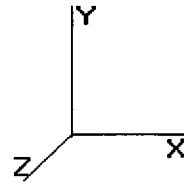
104.0	56.91	106.94	0.00	0.00
105.0	56.67	106.41	0.00	0.00
106.0	56.43	105.89	0.00	0.00
107.0	56.18	105.36	0.00	0.00
108.0	55.93	104.83	0.00	0.00
109.0	55.68	104.30	0.00	0.00
110.0	3,532.91	2,264.79	0.00	0.00
111.0	55.16	93.40	0.00	0.00
112.0	54.90	92.87	0.00	0.00
113.0	54.64	92.35	0.00	0.00
114.0	54.37	91.82	0.00	0.00
115.0	54.10	91.29	0.00	0.00
116.0	53.82	90.76	0.00	0.00
117.0	53.55	90.23	0.00	0.00
118.0	53.27	89.70	0.00	0.00
119.0	52.99	89.17	0.00	0.00
120.0	2,460.58	2,072.23	0.00	0.00
121.0	52.41	80.56	0.00	0.00
122.0	52.12	80.03	0.00	0.00
123.0	51.83	79.50	0.00	0.00
124.0	51.53	78.97	0.00	0.00
125.0	51.24	78.44	0.00	0.00
126.0	50.94	77.91	0.00	0.00
127.0	50.63	77.39	0.00	0.00
128.0	50.33	76.86	0.00	0.00
129.0	50.02	76.33	0.00	0.00
130.0	49.71	75.80	0.00	0.00
131.0	2,761.91	1,933.47	0.00	0.00
132.0	49.08	64.90	0.00	0.00
133.0	48.76	64.37	0.00	0.00
134.0	48.44	63.85	0.00	0.00
135.0	48.12	63.32	0.00	0.00
136.0	47.79	62.79	0.00	0.00
137.0	47.46	62.26	0.00	0.00
138.0	3,898.19	3,469.14	0.00	3,312.61
139.0	46.80	54.82	0.00	0.00
140.0	46.47	54.30	0.00	0.00
Totals:	25,368.64	46,130.25	0.00	3,312.61

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Calculated Shaft Forces and Deflections

Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-25.381	-46.121	0.000	0.000	0.000	-2,671.588	0.000	0.000	0.000	0.000
1.00	-25.342	-45.770	0.000	0.000	0.000	-2,646.208	-0.004	0.000	0.004	-0.037
2.00	-25.304	-45.420	0.000	0.000	0.000	-2,620.866	-0.016	0.000	0.016	-0.075
3.00	-25.265	-45.071	0.000	0.000	0.000	-2,595.563	-0.036	0.000	0.036	-0.112
4.00	-25.226	-44.723	0.000	0.000	0.000	-2,570.298	-0.064	0.000	0.064	-0.150
5.00	-25.187	-44.376	0.000	0.000	0.000	-2,545.073	-0.099	0.000	0.099	-0.187
6.00	-25.148	-44.031	0.000	0.000	0.000	-2,519.886	-0.143	0.000	0.143	-0.225
7.00	-25.109	-43.687	0.000	0.000	0.000	-2,494.739	-0.194	0.000	0.194	-0.263
8.00	-25.070	-43.344	0.000	0.000	0.000	-2,469.630	-0.254	0.000	0.254	-0.301
9.00	-25.031	-43.003	0.000	0.000	0.000	-2,444.561	-0.321	0.000	0.321	-0.339
10.00	-24.991	-42.662	0.000	0.000	0.000	-2,419.531	-0.396	0.000	0.396	-0.378
11.00	-24.952	-42.323	0.000	0.000	0.000	-2,394.540	-0.480	0.000	0.480	-0.416
12.00	-24.913	-41.985	0.000	0.000	0.000	-2,369.589	-0.571	0.000	0.571	-0.455
13.00	-24.873	-41.648	0.000	0.000	0.000	-2,344.677	-0.671	0.000	0.671	-0.493
14.00	-24.834	-41.313	0.000	0.000	0.000	-2,319.804	-0.778	0.000	0.778	-0.532
15.00	-24.794	-40.979	0.000	0.000	0.000	-2,294.971	-0.894	0.000	0.894	-0.571
16.00	-24.754	-40.646	0.000	0.000	0.000	-2,270.178	-1.018	0.000	1.018	-0.610
17.00	-24.715	-40.314	0.000	0.000	0.000	-2,245.424	-1.150	0.000	1.150	-0.649
18.00	-24.675	-39.983	0.000	0.000	0.000	-2,220.710	-1.291	0.000	1.291	-0.688
19.00	-24.635	-39.654	0.000	0.000	0.000	-2,196.035	-1.439	0.000	1.439	-0.728
20.00	-24.595	-39.326	0.000	0.000	0.000	-2,171.401	-1.596	0.000	1.596	-0.767
21.00	-24.555	-38.999	0.000	0.000	0.000	-2,146.806	-1.761	0.000	1.761	-0.807
22.00	-24.515	-38.673	0.000	0.000	0.000	-2,122.252	-1.934	0.000	1.934	-0.846
23.00	-24.475	-38.349	0.000	0.000	0.000	-2,097.737	-2.116	0.000	2.116	-0.886
24.00	-24.435	-38.025	0.000	0.000	0.000	-2,073.263	-2.306	0.000	2.306	-0.926
25.00	-24.395	-37.703	0.000	0.000	0.000	-2,048.829	-2.504	0.000	2.504	-0.966
26.00	-24.354	-37.383	0.000	0.000	0.000	-2,024.435	-2.711	0.000	2.711	-1.006
27.00	-24.314	-37.063	0.000	0.000	0.000	-2,000.081	-2.926	0.000	2.926	-1.046
28.00	-24.273	-36.745	0.000	0.000	0.000	-1,975.768	-3.150	0.000	3.150	-1.086
29.00	-24.233	-36.428	0.000	0.000	0.000	-1,951.495	-3.382	0.000	3.382	-1.127
30.00	-24.192	-36.112	0.000	0.000	0.000	-1,927.262	-3.623	0.000	3.623	-1.167
31.00	-24.152	-35.797	0.000	0.000	0.000	-1,903.071	-3.871	0.000	3.871	-1.208
32.00	-24.111	-35.484	0.000	0.000	0.000	-1,878.920	-4.129	0.000	4.129	-1.248
33.00	-24.070	-35.172	0.000	0.000	0.000	-1,854.809	-4.395	0.000	4.395	-1.289
34.00	-24.029	-34.861	0.000	0.000	0.000	-1,830.740	-4.669	0.000	4.669	-1.330
35.00	-23.987	-34.551	0.000	0.000	0.000	-1,806.712	-4.952	0.000	4.952	-1.370
36.00	-23.944	-34.243	0.000	0.000	0.000	-1,782.725	-5.244	0.000	5.244	-1.411
37.00	-23.901	-33.936	0.000	0.000	0.000	-1,758.782	-5.544	0.000	5.544	-1.452
38.00	-23.858	-33.630	0.000	0.000	0.000	-1,734.881	-5.853	0.000	5.853	-1.493
39.00	-23.814	-33.325	0.000	0.000	0.000	-1,711.024	-6.170	0.000	6.170	-1.535
40.00	-23.769	-33.022	0.000	0.000	0.000	-1,687.211	-6.496	0.000	6.496	-1.576
41.00	-23.724	-32.720	0.000	0.000	0.000	-1,663.442	-6.831	0.000	6.831	-1.617
42.00	-23.679	-32.419	0.000	0.000	0.000	-1,639.718	-7.174	0.000	7.174	-1.658
43.00	-23.633	-32.120	0.000	0.000	0.000	-1,616.040	-7.526	0.000	7.526	-1.700
44.00	-23.586	-31.822	0.000	0.000	0.000	-1,592.408	-7.887	0.000	7.887	-1.741
45.00	-23.539	-31.525	0.000	0.000	0.000	-1,568.822	-8.256	0.000	8.256	-1.782
46.00	-23.484	-31.235	0.000	0.000	0.000	-1,545.283	-8.634	0.000	8.634	-1.824
46.25	-23.478	-31.157	0.000	0.000	0.000	-1,539.413	-8.730	0.000	8.730	-1.834
47.00	-23.438	-30.779	0.000	0.000	0.000	-1,521.805	-9.020	0.000	9.020	-1.866
48.00	-23.382	-30.279	0.000	0.000	0.000	-1,498.367	-9.416	0.000	9.416	-1.907
49.00	-23.324	-29.782	0.000	0.000	0.000	-1,474.986	-9.820	0.000	9.820	-1.949

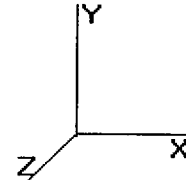
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
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Code: TIA/EIA-222 Rev F

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Base Elev : 0.000 (ft)

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Load Case: Ice 77.94 mph Wind with Ice 29 Iterations

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

50.00	-23.266	-29.288	0.000	0.000	0.000	-1,451.662	-10.233	0.000	10.233	-1.990
51.00	-23.207	-28.795	0.000	0.000	0.000	-1,428.397	-10.654	0.000	10.654	-2.032
52.00	-23.154	-28.502	0.000	0.000	0.000	-1,405.190	-11.084	0.000	11.084	-2.073
53.00	-23.100	-28.211	0.000	0.000	0.000	-1,382.036	-11.523	0.000	11.523	-2.112
54.00	-23.046	-27.921	0.000	0.000	0.000	-1,358.937	-11.969	0.000	11.969	-2.150
55.00	-22.991	-27.632	0.000	0.000	0.000	-1,335.892	-12.424	0.000	12.424	-2.188
56.00	-22.935	-27.345	0.000	0.000	0.000	-1,312.901	-12.886	0.000	12.886	-2.226
57.00	-22.880	-27.058	0.000	0.000	0.000	-1,289.967	-13.357	0.000	13.357	-2.265
58.00	-22.824	-26.774	0.000	0.000	0.000	-1,267.087	-13.835	0.000	13.835	-2.303
59.00	-22.768	-26.490	0.000	0.000	0.000	-1,244.264	-14.322	0.000	14.322	-2.341
60.00	-22.711	-26.208	0.000	0.000	0.000	-1,221.497	-14.816	0.000	14.816	-2.379
61.00	-22.654	-25.927	0.000	0.000	0.000	-1,198.786	-15.319	0.000	15.319	-2.417
62.00	-22.597	-25.648	0.000	0.000	0.000	-1,176.132	-15.829	0.000	15.829	-2.455
63.00	-22.540	-25.369	0.000	0.000	0.000	-1,153.536	-16.347	0.000	16.347	-2.493
64.00	-22.482	-25.093	0.000	0.000	0.000	-1,130.997	-16.873	0.000	16.873	-2.530
65.00	-22.424	-24.817	0.000	0.000	0.000	-1,108.515	-17.407	0.000	17.407	-2.568
66.00	-22.366	-24.543	0.000	0.000	0.000	-1,086.091	-17.949	0.000	17.949	-2.605
67.00	-22.307	-24.270	0.000	0.000	0.000	-1,063.726	-18.499	0.000	18.499	-2.643
68.00	-22.248	-23.998	0.000	0.000	0.000	-1,041.419	-19.057	0.000	19.057	-2.680
69.00	-22.189	-23.728	0.000	0.000	0.000	-1,019.171	-19.622	0.000	19.622	-2.717
70.00	-22.130	-23.459	0.000	0.000	0.000	-996.982	-20.195	0.000	20.195	-2.754
71.00	-22.071	-23.192	0.000	0.000	0.000	-974.853	-20.776	0.000	20.776	-2.791
72.00	-22.011	-22.926	0.000	0.000	0.000	-952.783	-21.364	0.000	21.364	-2.828
73.00	-21.951	-22.661	0.000	0.000	0.000	-930.772	-21.961	0.000	21.961	-2.864
74.00	-21.891	-22.397	0.000	0.000	0.000	-908.822	-22.564	0.000	22.564	-2.900
75.00	-21.830	-22.135	0.000	0.000	0.000	-886.932	-23.176	0.000	23.176	-2.936
76.00	-21.769	-21.875	0.000	0.000	0.000	-865.102	-23.794	0.000	23.794	-2.972
77.00	-21.709	-21.615	0.000	0.000	0.000	-843.333	-24.421	0.000	24.421	-3.008
78.00	-21.647	-21.357	0.000	0.000	0.000	-821.625	-25.054	0.000	25.054	-3.043
79.00	-21.586	-21.101	0.000	0.000	0.000	-799.978	-25.695	0.000	25.695	-3.078
80.00	-21.525	-20.846	0.000	0.000	0.000	-778.393	-26.344	0.000	26.344	-3.113
81.00	-21.463	-20.592	0.000	0.000	0.000	-756.868	-26.999	0.000	26.999	-3.147
82.00	-21.401	-20.339	0.000	0.000	0.000	-735.406	-27.662	0.000	27.662	-3.181
83.00	-21.339	-20.088	0.000	0.000	0.000	-714.005	-28.332	0.000	28.332	-3.215
84.00	-21.277	-19.839	0.000	0.000	0.000	-692.667	-29.009	0.000	29.009	-3.248
85.00	-21.214	-19.591	0.000	0.000	0.000	-671.390	-29.692	0.000	29.692	-3.281
86.00	-21.152	-19.344	0.000	0.000	0.000	-650.176	-30.383	0.000	30.383	-3.314
87.00	-19.447	-17.373	0.000	0.000	0.000	-629.025	-31.080	0.000	31.080	-3.346
88.00	-19.384	-17.140	0.000	0.000	0.000	-609.578	-31.785	0.000	31.785	-3.378
89.00	-19.320	-16.908	0.000	0.000	0.000	-590.195	-32.495	0.000	32.495	-3.410
90.00	-19.257	-16.678	0.000	0.000	0.000	-570.875	-33.213	0.000	33.213	-3.441
91.00	-19.193	-16.449	0.000	0.000	0.000	-551.618	-33.936	0.000	33.936	-3.471
92.00	-19.130	-16.221	0.000	0.000	0.000	-532.425	-34.666	0.000	34.666	-3.501
93.00	-19.064	-15.997	0.000	0.000	0.000	-513.296	-35.403	0.000	35.403	-3.531
93.50	-19.032	-15.885	0.000	0.000	0.000	-503.764	-35.773	0.000	35.773	-3.546
94.00	-19.000	-15.740	0.000	0.000	0.000	-494.248	-36.145	0.000	36.145	-3.560
95.00	-18.932	-15.457	0.000	0.000	0.000	-475.249	-36.894	0.000	36.894	-3.589
96.00	-18.863	-15.176	0.000	0.000	0.000	-456.318	-37.648	0.000	37.648	-3.617
97.00	-18.792	-14.900	0.000	0.000	0.000	-437.455	-38.409	0.000	38.409	-3.645
97.25	-18.776	-14.828	0.000	0.000	0.000	-432.757	-38.600	0.000	38.600	-3.652
98.00	-18.739	-14.726	0.000	0.000	0.000	-418.675	-39.175	0.000	39.175	-3.672
99.00	-18.689	-14.588	0.000	0.000	0.000	-399.937	-39.951	0.000	39.951	-3.737
100.0	-15.365	-11.790	0.000	0.000	0.000	-381.248	-40.741	0.000	40.741	-3.801
101.0	-15.313	-11.669	0.000	0.000	0.000	-365.884	-41.544	0.000	41.544	-3.864
102.0	-15.261	-11.549	0.000	0.000	0.000	-350.571	-42.359	0.000	42.359	-3.925
103.0	-15.208	-11.430	0.000	0.000	0.000	-335.311	-43.188	0.000	43.188	-3.984
104.0	-15.155	-11.312	0.000	0.000	0.000	-320.104	-44.028	0.000	44.028	-4.042

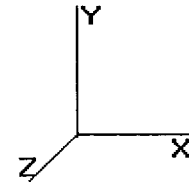
Pole : 310968
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 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice	77.94 mph Wind with Ice	29 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

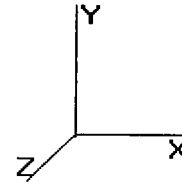
105.0	-15.102	-11.195	0.000	0.000	0.000	-304.949	-44.881	0.000	44.881	-4.099
106.0	-15.049	-11.079	0.000	0.000	0.000	-289.848	-45.745	0.000	45.745	-4.154
107.0	-14.995	-10.965	0.000	0.000	0.000	-274.799	-46.621	0.000	46.621	-4.208
108.0	-14.941	-10.851	0.000	0.000	0.000	-259.805	-47.508	0.000	47.508	-4.260
109.0	-14.887	-10.738	0.000	0.000	0.000	-244.864	-48.405	0.000	48.405	-4.310
110.0	-11.200	-8.738	0.000	0.000	0.000	-229.977	-49.313	0.000	49.313	-4.358
111.0	-11.145	-8.640	0.000	0.000	0.000	-218.777	-50.230	0.000	50.230	-4.405
112.0	-11.090	-8.543	0.000	0.000	0.000	-207.632	-51.157	0.000	51.157	-4.450
113.0	-11.035	-8.447	0.000	0.000	0.000	-196.543	-52.094	0.000	52.094	-4.494
114.0	-10.979	-8.352	0.000	0.000	0.000	-185.508	-53.039	0.000	53.039	-4.537
115.0	-10.924	-8.258	0.000	0.000	0.000	-174.529	-53.993	0.000	53.993	-4.578
116.0	-10.869	-8.164	0.000	0.000	0.000	-163.606	-54.955	0.000	54.955	-4.617
117.0	-10.813	-8.072	0.000	0.000	0.000	-152.737	-55.926	0.000	55.926	-4.655
118.0	-10.758	-7.980	0.000	0.000	0.000	-141.925	-56.904	0.000	56.904	-4.691
119.0	-10.702	-7.889	0.000	0.000	0.000	-131.167	-57.890	0.000	57.890	-4.725
120.0	-8.082	-6.023	0.000	0.000	0.000	-120.465	-58.882	0.000	58.882	-4.757
121.0	-8.026	-5.943	0.000	0.000	0.000	-112.383	-59.881	0.000	59.881	-4.788
122.0	-7.971	-5.864	0.000	0.000	0.000	-104.357	-60.886	0.000	60.886	-4.817
123.0	-7.915	-5.785	0.000	0.000	0.000	-96.387	-61.897	0.000	61.897	-4.845
124.0	-7.860	-5.707	0.000	0.000	0.000	-88.472	-62.914	0.000	62.914	-4.871
125.0	-7.804	-5.630	0.000	0.000	0.000	-80.613	-63.936	0.000	63.936	-4.896
126.0	-7.749	-5.554	0.000	0.000	0.000	-72.809	-64.963	0.000	64.963	-4.919
127.0	-7.694	-5.479	0.000	0.000	0.000	-65.060	-65.995	0.000	65.995	-4.940
128.0	-7.639	-5.404	0.000	0.000	0.000	-57.366	-67.031	0.000	67.031	-4.959
129.0	-7.584	-5.330	0.000	0.000	0.000	-49.727	-68.070	0.000	68.070	-4.977
130.0	-7.529	-5.257	0.000	0.000	0.000	-42.144	-69.113	0.000	69.113	-4.992
131.0	-4.610	-3.571	0.000	0.000	0.000	-34.614	-70.159	0.000	70.159	-5.005
132.0	-4.556	-3.509	0.000	0.000	0.000	-30.004	-71.208	0.000	71.208	-5.016
133.0	-4.503	-3.449	0.000	0.000	0.000	-25.448	-72.258	0.000	72.258	-5.026
134.0	-4.449	-3.389	0.000	0.000	0.000	-20.946	-73.311	0.000	73.311	-5.035
135.0	-4.396	-3.330	0.000	0.000	0.000	-16.496	-74.365	0.000	74.365	-5.042
136.0	-4.343	-3.271	0.000	0.000	0.000	-12.100	-75.421	0.000	75.421	-5.047
137.0	-4.291	-3.213	0.000	0.000	0.000	-7.757	-76.477	0.000	76.477	-5.051
138.0	-0.102	-0.100	0.000	0.000	0.000	-0.153	-77.534	0.000	77.534	-5.054
139.0	-0.051	-0.050	0.000	0.000	0.000	-0.051	-78.591	0.000	78.591	-5.054
140.0	-0.046	0.000	0.000	0.000	0.000	0.000	-79.648	0.000	79.648	-5.054

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Calculated Stresses

Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.62	0.69	0.00	0.00	0.00	37.74	38.38	52.0	0.0	0.738
1.00	0.62	0.69	0.00	0.00	0.00	37.70	38.34	52.0	0.0	0.738
2.00	0.62	0.70	0.00	0.00	0.00	37.67	38.30	52.0	0.0	0.737
3.00	0.62	0.70	0.00	0.00	0.00	37.63	38.27	52.0	0.0	0.736
4.00	0.61	0.70	0.00	0.00	0.00	37.59	38.23	52.0	0.0	0.735
5.00	0.61	0.70	0.00	0.00	0.00	37.55	38.18	52.0	0.0	0.735
6.00	0.61	0.70	0.00	0.00	0.00	37.51	38.14	52.0	0.0	0.734
7.00	0.61	0.71	0.00	0.00	0.00	37.47	38.09	52.0	0.0	0.733
8.00	0.61	0.71	0.00	0.00	0.00	37.42	38.05	52.0	0.0	0.732
9.00	0.60	0.71	0.00	0.00	0.00	37.37	38.00	52.0	0.0	0.731
10.00	0.60	0.71	0.00	0.00	0.00	37.33	37.95	52.0	0.0	0.730
11.00	0.60	0.71	0.00	0.00	0.00	37.28	37.90	52.0	0.0	0.729
12.00	0.60	0.72	0.00	0.00	0.00	37.22	37.84	52.0	0.0	0.728
13.00	0.60	0.72	0.00	0.00	0.00	37.17	37.79	52.0	0.0	0.727
14.00	0.59	0.72	0.00	0.00	0.00	37.11	37.73	52.0	0.0	0.726
15.00	0.59	0.72	0.00	0.00	0.00	37.06	37.67	52.0	0.0	0.725
16.00	0.59	0.72	0.00	0.00	0.00	37.00	37.61	52.0	0.0	0.724
17.00	0.59	0.73	0.00	0.00	0.00	36.93	37.54	52.0	0.0	0.722
18.00	0.59	0.73	0.00	0.00	0.00	36.87	37.48	52.0	0.0	0.721
19.00	0.58	0.73	0.00	0.00	0.00	36.80	37.41	52.0	0.0	0.720
20.00	0.58	0.73	0.00	0.00	0.00	36.73	37.34	52.0	0.0	0.718
21.00	0.58	0.73	0.00	0.00	0.00	36.66	37.26	52.0	0.0	0.717
22.00	0.58	0.74	0.00	0.00	0.00	36.59	37.19	52.0	0.0	0.716
23.00	0.57	0.74	0.00	0.00	0.00	36.51	37.11	52.0	0.0	0.714
24.00	0.57	0.74	0.00	0.00	0.00	36.44	37.03	52.0	0.0	0.712
25.00	0.57	0.74	0.00	0.00	0.00	36.36	36.95	52.0	0.0	0.711
26.00	0.57	0.75	0.00	0.00	0.00	36.27	36.86	52.0	0.0	0.709
27.00	0.57	0.75	0.00	0.00	0.00	36.19	36.78	52.0	0.0	0.708
28.00	0.56	0.75	0.00	0.00	0.00	36.10	36.69	52.0	0.0	0.706
29.00	0.56	0.75	0.00	0.00	0.00	36.01	36.59	52.0	0.0	0.704
30.00	0.56	0.76	0.00	0.00	0.00	35.91	36.50	52.0	0.0	0.702
31.00	0.56	0.76	0.00	0.00	0.00	35.82	36.40	52.0	0.0	0.700
32.00	0.56	0.76	0.00	0.00	0.00	35.72	36.30	52.0	0.0	0.698
33.00	0.55	0.76	0.00	0.00	0.00	35.61	36.19	52.0	0.0	0.696
34.00	0.55	0.77	0.00	0.00	0.00	35.51	36.08	52.0	0.0	0.694
35.00	0.55	0.77	0.00	0.00	0.00	35.40	35.97	52.0	0.0	0.692
36.00	0.55	0.77	0.00	0.00	0.00	35.29	35.86	52.0	0.0	0.690
37.00	0.55	0.77	0.00	0.00	0.00	35.17	35.74	52.0	0.0	0.688
38.00	0.54	0.78	0.00	0.00	0.00	35.05	35.62	52.0	0.0	0.685
39.00	0.54	0.78	0.00	0.00	0.00	34.93	35.50	52.0	0.0	0.683
40.00	0.54	0.78	0.00	0.00	0.00	34.80	35.37	52.0	0.0	0.680
41.00	0.54	0.78	0.00	0.00	0.00	34.67	35.24	52.0	0.0	0.678
42.00	0.53	0.79	0.00	0.00	0.00	34.54	35.10	52.0	0.0	0.675
43.00	0.53	0.79	0.00	0.00	0.00	34.40	34.96	52.0	0.0	0.673
44.00	0.53	0.79	0.00	0.00	0.00	34.26	34.82	52.0	0.0	0.670
45.00	0.53	0.79	0.00	0.00	0.00	34.12	34.67	52.0	0.0	0.667
46.00	0.53	0.80	0.00	0.00	0.00	33.97	34.52	52.0	0.0	0.664
46.25	0.53	0.80	0.00	0.00	0.00	33.93	34.48	52.0	0.0	0.663
47.00	0.52	0.80	0.00	0.00	0.00	33.81	34.36	52.0	0.0	0.661
48.00	0.52	0.80	0.00	0.00	0.00	33.66	34.20	52.0	0.0	0.658
49.00	0.51	0.80	0.00	0.00	0.00	33.49	34.03	52.0	0.0	0.655

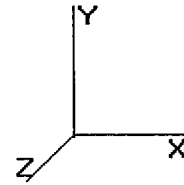
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
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Load Case: Ice	77.94 mph Wind with Ice	29 Iterations
Gust Response Factor : 1.69		
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Wind Load Factor : 1.00		

50.00	0.50	0.81	0.00	0.00	0.00	33.33	33.86	52.0	0.0	0.651
51.00	0.48	0.79	0.00	0.00	0.00	31.40	31.91	52.0	0.0	0.614
52.00	0.48	0.79	0.00	0.00	0.00	31.22	31.73	52.0	0.0	0.611
53.00	0.48	0.79	0.00	0.00	0.00	31.04	31.55	52.0	0.0	0.607
54.00	0.48	0.79	0.00	0.00	0.00	30.86	31.37	52.0	0.0	0.603
55.00	0.48	0.80	0.00	0.00	0.00	30.67	31.18	52.0	0.0	0.600
56.00	0.47	0.80	0.00	0.00	0.00	30.48	30.98	52.0	0.0	0.596
57.00	0.47	0.80	0.00	0.00	0.00	30.28	30.78	52.0	0.0	0.592
58.00	0.47	0.80	0.00	0.00	0.00	30.07	30.57	52.0	0.0	0.588
59.00	0.47	0.81	0.00	0.00	0.00	29.87	30.36	52.0	0.0	0.584
60.00	0.46	0.81	0.00	0.00	0.00	29.65	30.15	52.0	0.0	0.580
61.00	0.46	0.81	0.00	0.00	0.00	29.43	29.93	52.0	0.0	0.576
62.00	0.46	0.81	0.00	0.00	0.00	29.21	29.70	52.0	0.0	0.571
63.00	0.46	0.82	0.00	0.00	0.00	28.98	29.47	52.0	0.0	0.567
64.00	0.45	0.82	0.00	0.00	0.00	28.74	29.23	52.0	0.0	0.562
65.00	0.45	0.82	0.00	0.00	0.00	28.50	28.98	52.0	0.0	0.558
66.00	0.45	0.83	0.00	0.00	0.00	28.25	28.73	52.0	0.0	0.553
67.00	0.45	0.83	0.00	0.00	0.00	27.99	28.48	52.0	0.0	0.548
68.00	0.44	0.83	0.00	0.00	0.00	27.73	28.21	52.0	0.0	0.543
69.00	0.44	0.83	0.00	0.00	0.00	27.46	27.94	52.0	0.0	0.538
70.00	0.44	0.84	0.00	0.00	0.00	27.19	27.67	52.0	0.0	0.532
71.00	0.44	0.84	0.00	0.00	0.00	26.91	27.38	52.0	0.0	0.527
72.00	0.43	0.84	0.00	0.00	0.00	26.62	27.09	52.0	0.0	0.521
73.00	0.43	0.84	0.00	0.00	0.00	26.32	26.79	52.0	0.0	0.515
74.00	0.43	0.85	0.00	0.00	0.00	26.02	26.49	52.0	0.0	0.510
75.00	0.43	0.85	0.00	0.00	0.00	25.71	26.17	52.0	0.0	0.504
76.00	0.43	0.85	0.00	0.00	0.00	25.38	25.85	52.0	0.0	0.497
77.00	0.42	0.86	0.00	0.00	0.00	25.06	25.52	52.0	0.0	0.491
78.00	0.42	0.86	0.00	0.00	0.00	24.72	25.18	52.0	0.0	0.485
79.00	0.42	0.86	0.00	0.00	0.00	24.37	24.84	52.0	0.0	0.478
80.00	0.42	0.86	0.00	0.00	0.00	24.02	24.48	52.0	0.0	0.471
81.00	0.41	0.87	0.00	0.00	0.00	23.66	24.12	52.0	0.0	0.464
82.00	0.41	0.87	0.00	0.00	0.00	23.28	23.74	52.0	0.0	0.457
83.00	0.41	0.87	0.00	0.00	0.00	22.90	23.36	52.0	0.0	0.449
84.00	0.41	0.88	0.00	0.00	0.00	22.51	22.96	52.0	0.0	0.442
85.00	0.40	0.88	0.00	0.00	0.00	22.10	22.56	52.0	0.0	0.434
86.00	0.40	0.88	0.00	0.00	0.00	21.69	22.14	52.0	0.0	0.426
87.00	0.36	0.82	0.00	0.00	0.00	21.27	21.67	52.0	0.0	0.417
88.00	0.36	0.82	0.00	0.00	0.00	20.89	21.29	52.0	0.0	0.410
89.00	0.36	0.82	0.00	0.00	0.00	20.50	20.90	52.0	0.0	0.402
90.00	0.35	0.83	0.00	0.00	0.00	20.10	20.50	52.0	0.0	0.394
91.00	0.35	0.83	0.00	0.00	0.00	19.69	20.09	52.0	0.0	0.387
92.00	0.35	0.83	0.00	0.00	0.00	19.26	19.67	52.0	0.0	0.378
93.00	0.35	0.83	0.00	0.00	0.00	18.83	19.23	52.0	0.0	0.370
93.50	0.35	0.84	0.00	0.00	0.00	18.61	19.01	52.0	0.0	0.366
94.00	0.34	0.84	0.00	0.00	0.00	18.39	18.79	52.0	0.0	0.361
95.00	0.34	0.84	0.00	0.00	0.00	17.93	18.33	52.0	0.0	0.353
96.00	0.34	0.84	0.00	0.00	0.00	17.46	17.86	52.0	0.0	0.344
97.00	0.33	0.85	0.00	0.00	0.00	16.98	17.37	52.0	0.0	0.334
97.25	0.86	2.20	0.00	0.00	0.00	42.36	43.40	51.3	0.0	0.845
98.00	0.86	2.21	0.00	0.00	0.00	41.42	42.45	51.5	0.0	0.825
99.00	0.86	2.22	0.00	0.00	0.00	40.12	41.16	51.6	0.0	0.797
100.00	0.70	1.84	0.00	0.00	0.00	38.79	39.62	51.8	0.0	0.765
101.00	0.70	1.84	0.00	0.00	0.00	37.76	38.59	51.9	0.0	0.743
102.00	0.70	1.85	0.00	0.00	0.00	36.70	37.54	52.0	0.0	0.722
103.00	0.69	1.86	0.00	0.00	0.00	35.62	36.45	52.0	0.0	0.701
104.00	0.69	1.87	0.00	0.00	0.00	34.50	35.34	52.0	0.0	0.680

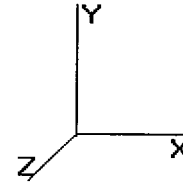
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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

Gust Response Factor : 1.69
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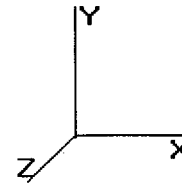
105.00	0.69	1.87	0.00	0.00	0.00	33.35	34.19	52.0	0.0	0.658
106.00	0.69	1.88	0.00	0.00	0.00	32.17	33.02	52.0	0.0	0.635
107.00	0.68	1.89	0.00	0.00	0.00	30.96	31.81	52.0	0.0	0.612
108.00	0.68	1.89	0.00	0.00	0.00	29.71	30.57	52.0	0.0	0.588
109.00	0.68	1.90	0.00	0.00	0.00	28.43	29.29	52.0	0.0	0.564
110.00	0.56	1.44	0.00	0.00	0.00	27.11	27.78	52.0	0.0	0.534
111.00	0.56	1.45	0.00	0.00	0.00	26.18	26.86	52.0	0.0	0.517
112.00	0.55	1.45	0.00	0.00	0.00	25.24	25.91	52.0	0.0	0.499
113.00	0.55	1.45	0.00	0.00	0.00	24.26	24.94	52.0	0.0	0.480
114.00	0.55	1.46	0.00	0.00	0.00	23.26	23.95	52.0	0.0	0.461
115.00	0.55	1.46	0.00	0.00	0.00	22.23	22.92	52.0	0.0	0.441
116.00	0.55	1.47	0.00	0.00	0.00	21.18	21.87	52.0	0.0	0.421
117.00	0.54	1.47	0.00	0.00	0.00	20.09	20.79	52.0	0.0	0.400
118.00	0.54	1.47	0.00	0.00	0.00	18.97	19.68	52.0	0.0	0.379
119.00	0.54	1.48	0.00	0.00	0.00	17.82	18.54	52.0	0.0	0.357
120.00	0.42	1.13	0.00	0.00	0.00	16.64	17.17	52.0	0.0	0.330
121.00	0.41	1.13	0.00	0.00	0.00	15.78	16.32	52.0	0.0	0.314
122.00	0.41	1.13	0.00	0.00	0.00	14.90	15.44	52.0	0.0	0.297
123.00	0.41	1.13	0.00	0.00	0.00	14.00	14.54	52.0	0.0	0.280
124.00	0.41	1.13	0.00	0.00	0.00	13.07	13.62	52.0	0.0	0.262
125.00	0.41	1.13	0.00	0.00	0.00	12.12	12.67	52.0	0.0	0.244
126.00	0.40	1.14	0.00	0.00	0.00	11.13	11.70	52.0	0.0	0.225
127.00	0.40	1.14	0.00	0.00	0.00	10.12	10.71	52.0	0.0	0.206
128.00	0.40	1.14	0.00	0.00	0.00	9.09	9.69	52.0	0.0	0.186
129.00	0.40	1.14	0.00	0.00	0.00	8.02	8.64	52.0	0.0	0.166
130.00	0.40	1.14	0.00	0.00	0.00	6.92	7.58	52.0	0.0	0.146
131.00	0.27	0.71	0.00	0.00	0.00	5.78	6.18	52.0	0.0	0.119
132.00	0.27	0.70	0.00	0.00	0.00	5.11	5.51	52.0	0.0	0.106
133.00	0.27	0.70	0.00	0.00	0.00	4.41	4.83	52.0	0.0	0.093
134.00	0.26	0.70	0.00	0.00	0.00	3.70	4.15	52.0	0.0	0.080
135.00	0.26	0.70	0.00	0.00	0.00	2.97	3.45	52.0	0.0	0.066
136.00	0.26	0.70	0.00	0.00	0.00	2.22	2.76	52.0	0.0	0.053
137.00	0.26	0.69	0.00	0.00	0.00	1.45	2.09	52.0	0.0	0.040
138.00	0.01	0.02	0.00	0.00	0.00	0.03	0.05	52.0	0.0	0.001
139.00	0.00	0.01	0.00	0.00	0.00	0.01	0.02	52.0	0.0	0.000
140.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	52.0	0.0	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: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

Shaft Segment Forces

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

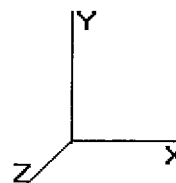
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

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Base Elev : 0.000 (ft)

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

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

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

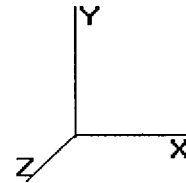
Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

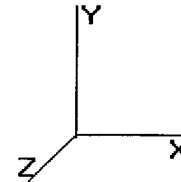
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

Discrete Appurtenance Segment Forces

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Andrew	3	8.442	14.268	0.33	0.64	0.000	0.000	9.18	0.00	0.00	33.00
87.00	Flat Low Profile Pla	1	8.442	14.268	1.00	24.02	0.000	0.000	342.71	0.00	0.00	1,300.00
87.00	RFS APX16DWV-	3	8.442	14.268	0.67	12.22	0.000	0.000	174.36	0.00	0.00	118.80
87.00	RFS ATMAA1412D-	3	8.442	14.268	0.33	0.99	0.000	0.000	14.13	0.00	0.00	39.00
100.0	Ericsson RRUS 11 (Ba	6	8.785	14.847	0.33	4.99	0.000	0.000	74.08	0.00	0.00	330.00
100.0	Flat Low Profile Pla	1	8.785	14.847	0.95	22.82	0.000	0.000	338.79	0.00	0.00	1,300.00
100.0	Powerwave 7770.00	6	8.785	14.847	0.75	24.75	0.000	0.000	367.46	0.00	0.00	210.00
100.0	Powerwave LGP21401	6	8.785	14.847	0.33	2.18	0.000	0.000	32.34	0.00	0.00	84.60
100.0	Powerwave LGP21901	6	8.785	14.847	0.33	0.40	0.000	0.000	5.88	0.00	0.00	33.00
100.0	Powerwave P65-16-	3	8.785	14.847	0.78	19.02	0.000	0.000	282.45	0.00	0.00	159.00
100.0	Raycap DC6-48-60-18-	1	8.785	14.847	1.00	1.28	0.000	0.000	19.00	0.00	0.00	31.80
110.0	Antel BXA-171063-8BF	3	9.028	15.257	0.87	7.67	0.000	0.000	117.07	0.00	0.00	31.50
110.0	Antel BXA-70063/6CF	1	9.028	15.257	1.00	7.74	0.000	0.000	118.09	0.00	0.00	14.90
110.0	Antel LPA-80063-6CF-	2	9.028	15.257	0.95	19.97	0.000	0.000	304.66	0.00	0.00	54.00
110.0	Flat Low Profile Pla	1	9.028	15.257	0.90	21.62	0.000	0.000	329.82	0.00	0.00	1,300.00
110.0	Powerwave P65-16-	2	9.028	15.257	0.75	12.19	0.000	0.000	186.06	0.00	0.00	66.00
110.0	RFS APL868013-42T0	4	9.028	15.257	0.88	12.71	0.000	0.000	193.87	0.00	0.00	25.20
110.0	RFS FD9R6004/2C-3L	6	9.028	15.257	0.33	0.73	0.000	0.000	11.18	0.00	0.00	15.60
120.0	48" x 8" Panel	12	9.255	15.641	0.73	32.67	0.000	0.000	511.06	0.00	0.00	168.00
120.0	Flat Low Profile Pla	1	9.255	15.641	0.95	22.82	0.000	0.000	356.91	0.00	0.00	1,300.00
131.0	Decibel 980F65E-M	12	9.490	16.038	0.81	36.45	0.000	0.000	584.57	0.00	0.00	114.00
131.0	Flat Low Profile Pla	1	9.490	16.038	0.95	22.82	0.000	0.000	365.96	0.00	0.00	1,300.00
138.0	6' Dipole	1	9.632	16.278	1.00	4.00	0.000	0.000	65.11	0.00	0.00	30.00
138.0	6' FM Antenna	1	9.711	16.411	0.95	12.78	0.000	4.000	209.69	0.00	838.78	30.00
138.0	6' Omni	7	9.632	16.278	1.00	12.32	0.000	0.000	200.53	0.00	0.00	175.00
138.0	8' Omni	2	9.711	16.411	1.00	4.80	0.000	4.000	78.77	0.00	315.10	80.00
138.0	8' Omni	2	9.632	16.278	1.00	4.80	0.000	0.000	78.13	0.00	0.00	80.00
138.0	8' Omni (inverted)	1	9.551	16.142	1.00	2.40	0.000	-4.000	38.74	0.00	-154.96	40.00
138.0	Andrew DB589	1	9.755	16.485	1.00	1.38	0.000	6.250	22.75	0.00	142.19	11.50
138.0	Andrew VHLP2.5-10W	1	9.632	16.278	0.90	7.59	0.000	0.000	123.50	0.00	0.00	47.60
138.0	Flat Platform w/ Han	1	9.632	16.278	0.95	31.88	0.000	0.000	518.97	0.00	0.00	2,100.00
									6,075.83			10,622.50

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

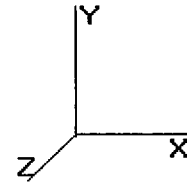
Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	27.55	305.65	0.00	0.00
2.00	27.44	304.57	0.00	0.00
3.00	27.32	303.49	0.00	0.00
4.00	27.20	302.41	0.00	0.00
5.00	27.08	301.33	0.00	0.00
6.00	26.97	300.25	0.00	0.00
7.00	26.85	299.17	0.00	0.00
8.00	26.73	298.09	0.00	0.00
9.00	26.62	297.01	0.00	0.00
10.00	26.50	295.93	0.00	0.00
11.00	26.38	294.85	0.00	0.00
12.00	26.26	293.77	0.00	0.00
13.00	26.15	292.69	0.00	0.00
14.00	26.03	291.61	0.00	0.00
15.00	25.91	290.53	0.00	0.00
16.00	25.80	289.45	0.00	0.00
17.00	25.68	288.37	0.00	0.00
18.00	25.56	287.29	0.00	0.00
19.00	25.44	286.21	0.00	0.00
20.00	25.33	285.13	0.00	0.00
21.00	25.21	284.05	0.00	0.00
22.00	25.09	282.97	0.00	0.00
23.00	24.98	281.89	0.00	0.00
24.00	24.86	280.81	0.00	0.00
25.00	24.74	279.73	0.00	0.00
26.00	24.62	278.65	0.00	0.00
27.00	24.51	277.57	0.00	0.00
28.00	24.39	276.49	0.00	0.00
29.00	24.27	275.41	0.00	0.00
30.00	24.15	274.33	0.00	0.00
31.00	24.04	273.25	0.00	0.00
32.00	23.92	272.17	0.00	0.00
33.00	23.80	271.08	0.00	0.00
34.00	23.89	270.00	0.00	0.00
35.00	23.97	268.92	0.00	0.00
36.00	24.04	267.84	0.00	0.00
37.00	24.11	266.76	0.00	0.00
38.00	24.17	265.68	0.00	0.00
39.00	24.23	264.60	0.00	0.00
40.00	24.28	263.52	0.00	0.00
41.00	24.33	262.44	0.00	0.00
42.00	24.37	261.36	0.00	0.00
43.00	24.41	260.28	0.00	0.00
44.00	24.44	259.20	0.00	0.00
45.00	24.47	258.12	0.00	0.00
46.00	24.50	257.04	0.00	0.00
46.25	6.11	64.09	0.00	0.00
47.00	18.86	347.00	0.00	0.00
48.00	25.19	460.78	0.00	0.00

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

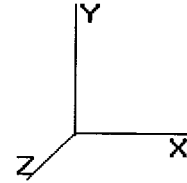
Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

49.00	25.21	458.61	0.00	0.00
50.00	25.22	456.45	0.00	0.00
51.00	25.23	454.29	0.00	0.00
52.00	25.24	255.96	0.00	0.00
53.00	25.24	254.88	0.00	0.00
54.00	25.24	253.80	0.00	0.00
55.00	25.24	252.72	0.00	0.00
56.00	25.23	251.64	0.00	0.00
57.00	25.22	250.56	0.00	0.00
58.00	25.21	249.48	0.00	0.00
59.00	25.20	248.40	0.00	0.00
60.00	25.18	247.32	0.00	0.00
61.00	25.16	246.24	0.00	0.00
62.00	25.13	245.16	0.00	0.00
63.00	25.11	244.08	0.00	0.00
64.00	25.08	243.00	0.00	0.00
65.00	25.05	241.92	0.00	0.00
66.00	25.02	240.84	0.00	0.00
67.00	24.98	239.76	0.00	0.00
68.00	24.94	238.68	0.00	0.00
69.00	24.90	237.60	0.00	0.00
70.00	24.86	236.52	0.00	0.00
71.00	24.81	235.44	0.00	0.00
72.00	24.77	234.36	0.00	0.00
73.00	24.72	233.28	0.00	0.00
74.00	24.67	232.20	0.00	0.00
75.00	24.61	231.12	0.00	0.00
76.00	24.56	230.04	0.00	0.00
77.00	24.50	228.96	0.00	0.00
78.00	24.44	227.88	0.00	0.00
79.00	24.38	226.80	0.00	0.00
80.00	24.32	225.72	0.00	0.00
81.00	24.25	224.64	0.00	0.00
82.00	24.18	223.56	0.00	0.00
83.00	24.12	222.48	0.00	0.00
84.00	24.05	221.39	0.00	0.00
85.00	23.97	220.31	0.00	0.00
86.00	23.90	219.23	0.00	0.00
87.00	564.20	1,708.95	0.00	0.00
88.00	23.75	207.23	0.00	0.00
89.00	23.67	206.15	0.00	0.00
90.00	23.59	205.07	0.00	0.00
91.00	23.51	203.99	0.00	0.00
92.00	23.42	202.91	0.00	0.00
93.00	23.34	201.83	0.00	0.00
93.50	11.63	100.51	0.00	0.00
94.00	11.75	130.18	0.00	0.00
95.00	23.46	259.24	0.00	0.00
96.00	23.37	257.75	0.00	0.00
97.00	23.28	256.27	0.00	0.00
97.25	5.80	63.83	0.00	0.00
98.00	17.38	77.13	0.00	0.00
99.00	23.10	102.49	0.00	0.00
100.0	1,143.00	2,250.49	0.00	0.00
101.0	22.91	90.75	0.00	0.00
102.0	22.81	90.35	0.00	0.00
103.0	22.71	89.94	0.00	0.00

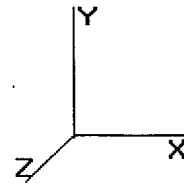
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
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 Page: 38

Base Elev : 0.000 (ft)

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

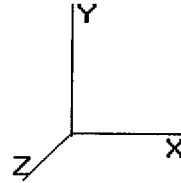
104.0	22.61	89.54	0.00	0.00
105.0	22.51	89.13	0.00	0.00
106.0	22.41	88.73	0.00	0.00
107.0	22.30	88.32	0.00	0.00
108.0	22.20	87.92	0.00	0.00
109.0	22.09	87.51	0.00	0.00
110.0	1,282.72	1,594.31	0.00	0.00
111.0	21.87	76.86	0.00	0.00
112.0	21.76	76.46	0.00	0.00
113.0	21.65	76.05	0.00	0.00
114.0	21.54	75.65	0.00	0.00
115.0	21.43	75.24	0.00	0.00
116.0	21.31	74.84	0.00	0.00
117.0	21.20	74.43	0.00	0.00
118.0	21.08	74.03	0.00	0.00
119.0	20.96	73.62	0.00	0.00
120.0	888.81	1,541.22	0.00	0.00
121.0	20.72	65.25	0.00	0.00
122.0	20.60	64.85	0.00	0.00
123.0	20.48	64.44	0.00	0.00
124.0	20.35	64.04	0.00	0.00
125.0	20.23	63.63	0.00	0.00
126.0	20.10	63.23	0.00	0.00
127.0	19.98	62.82	0.00	0.00
128.0	19.85	62.42	0.00	0.00
129.0	19.72	62.01	0.00	0.00
130.0	19.59	61.61	0.00	0.00
131.0	969.99	1,475.20	0.00	0.00
132.0	19.33	50.96	0.00	0.00
133.0	19.19	50.55	0.00	0.00
134.0	19.06	50.15	0.00	0.00
135.0	18.93	49.74	0.00	0.00
136.0	18.79	49.34	0.00	0.00
137.0	18.65	48.93	0.00	0.00
138.0	1,354.73	2,642.63	0.00	1,141.10
139.0	18.38	41.74	0.00	0.00
140.0	18.24	41.34	0.00	0.00
Totals:	9,387.91	39,682.90	0.00	1,141.10

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

Calculated Shaft Forces and Deflections

Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-9.390	-39.682	0.000	0.000	0.000	-965.949	0.000	0.000	0.000	0.000
1.00	-9.371	-39.374	0.000	0.000	0.000	-956.560	-0.002	0.000	0.002	-0.013
2.00	-9.353	-39.067	0.000	0.000	0.000	-947.188	-0.006	0.000	0.006	-0.027
3.00	-9.335	-38.761	0.000	0.000	0.000	-937.836	-0.013	0.000	0.013	-0.040
4.00	-9.316	-38.457	0.000	0.000	0.000	-928.501	-0.023	0.000	0.023	-0.054
5.00	-9.298	-38.153	0.000	0.000	0.000	-919.185	-0.036	0.000	0.036	-0.068
6.00	-9.280	-37.851	0.000	0.000	0.000	-909.887	-0.052	0.000	0.052	-0.081
7.00	-9.261	-37.550	0.000	0.000	0.000	-900.607	-0.070	0.000	0.070	-0.095
8.00	-9.243	-37.249	0.000	0.000	0.000	-891.346	-0.092	0.000	0.092	-0.109
9.00	-9.225	-36.950	0.000	0.000	0.000	-882.103	-0.116	0.000	0.116	-0.123
10.00	-9.207	-36.652	0.000	0.000	0.000	-872.878	-0.143	0.000	0.143	-0.136
11.00	-9.188	-36.355	0.000	0.000	0.000	-863.672	-0.173	0.000	0.173	-0.150
12.00	-9.170	-36.059	0.000	0.000	0.000	-854.484	-0.206	0.000	0.206	-0.164
13.00	-9.152	-35.764	0.000	0.000	0.000	-845.314	-0.242	0.000	0.242	-0.178
14.00	-9.133	-35.470	0.000	0.000	0.000	-836.163	-0.281	0.000	0.281	-0.192
15.00	-9.115	-35.178	0.000	0.000	0.000	-827.029	-0.323	0.000	0.323	-0.206
16.00	-9.097	-34.886	0.000	0.000	0.000	-817.915	-0.368	0.000	0.368	-0.220
17.00	-9.078	-34.596	0.000	0.000	0.000	-808.818	-0.415	0.000	0.415	-0.234
18.00	-9.060	-34.306	0.000	0.000	0.000	-799.740	-0.466	0.000	0.466	-0.248
19.00	-9.042	-34.018	0.000	0.000	0.000	-790.680	-0.520	0.000	0.520	-0.263
20.00	-9.024	-33.731	0.000	0.000	0.000	-781.638	-0.576	0.000	0.576	-0.277
21.00	-9.005	-33.445	0.000	0.000	0.000	-772.615	-0.636	0.000	0.636	-0.291
22.00	-8.987	-33.160	0.000	0.000	0.000	-763.610	-0.698	0.000	0.698	-0.305
23.00	-8.969	-32.876	0.000	0.000	0.000	-754.623	-0.764	0.000	0.764	-0.320
24.00	-8.950	-32.593	0.000	0.000	0.000	-745.655	-0.832	0.000	0.832	-0.334
25.00	-8.932	-32.311	0.000	0.000	0.000	-736.705	-0.904	0.000	0.904	-0.348
26.00	-8.914	-32.030	0.000	0.000	0.000	-727.773	-0.978	0.000	0.978	-0.363
27.00	-8.895	-31.750	0.000	0.000	0.000	-718.860	-1.056	0.000	1.056	-0.377
28.00	-8.877	-31.472	0.000	0.000	0.000	-709.964	-1.137	0.000	1.137	-0.392
29.00	-8.859	-31.194	0.000	0.000	0.000	-701.087	-1.220	0.000	1.220	-0.406
30.00	-8.841	-30.918	0.000	0.000	0.000	-692.229	-1.307	0.000	1.307	-0.421
31.00	-8.822	-30.643	0.000	0.000	0.000	-683.388	-1.397	0.000	1.397	-0.435
32.00	-8.804	-30.368	0.000	0.000	0.000	-674.566	-1.489	0.000	1.489	-0.450
33.00	-8.786	-30.095	0.000	0.000	0.000	-665.762	-1.585	0.000	1.585	-0.464
34.00	-8.767	-29.823	0.000	0.000	0.000	-656.977	-1.684	0.000	1.684	-0.479
35.00	-8.749	-29.552	0.000	0.000	0.000	-648.210	-1.786	0.000	1.786	-0.494
36.00	-8.730	-29.282	0.000	0.000	0.000	-639.461	-1.891	0.000	1.891	-0.508
37.00	-8.711	-29.014	0.000	0.000	0.000	-630.732	-1.999	0.000	1.999	-0.523
38.00	-8.691	-28.746	0.000	0.000	0.000	-622.021	-2.110	0.000	2.110	-0.538
39.00	-8.672	-28.479	0.000	0.000	0.000	-613.330	-2.225	0.000	2.225	-0.552
40.00	-8.652	-28.214	0.000	0.000	0.000	-604.658	-2.342	0.000	2.342	-0.567
41.00	-8.633	-27.950	0.000	0.000	0.000	-596.006	-2.462	0.000	2.462	-0.582
42.00	-8.613	-27.686	0.000	0.000	0.000	-587.374	-2.586	0.000	2.586	-0.597
43.00	-8.593	-27.424	0.000	0.000	0.000	-578.761	-2.713	0.000	2.713	-0.612
44.00	-8.573	-27.163	0.000	0.000	0.000	-570.168	-2.842	0.000	2.842	-0.626
45.00	-8.552	-26.903	0.000	0.000	0.000	-561.596	-2.975	0.000	2.975	-0.641
46.00	-8.529	-26.645	0.000	0.000	0.000	-553.044	-3.111	0.000	3.111	-0.656
46.25	-8.526	-26.580	0.000	0.000	0.000	-550.912	-3.146	0.000	3.146	-0.660
47.00	-8.509	-26.231	0.000	0.000	0.000	-544.518	-3.250	0.000	3.250	-0.671
48.00	-8.485	-25.768	0.000	0.000	0.000	-536.009	-3.393	0.000	3.393	-0.686
49.00	-8.461	-25.308	0.000	0.000	0.000	-527.524	-3.538	0.000	3.538	-0.701

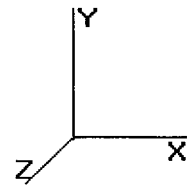
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

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Base Elev : 0.000 (ft)

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

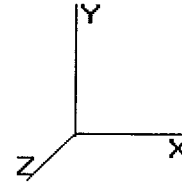
50.00	-8.436	-24.849	0.000	0.000	0.000	-519.064	-3.686	0.000	3.686	-0.716
51.00	-8.412	-24.393	0.000	0.000	0.000	-510.628	-3.838	0.000	3.838	-0.730
52.00	-8.389	-24.136	0.000	0.000	0.000	-502.216	-3.992	0.000	3.992	-0.745
53.00	-8.366	-23.879	0.000	0.000	0.000	-493.828	-4.150	0.000	4.150	-0.759
54.00	-8.343	-23.624	0.000	0.000	0.000	-485.461	-4.311	0.000	4.311	-0.773
55.00	-8.320	-23.369	0.000	0.000	0.000	-477.118	-4.474	0.000	4.474	-0.786
56.00	-8.297	-23.116	0.000	0.000	0.000	-468.798	-4.640	0.000	4.640	-0.800
57.00	-8.274	-22.864	0.000	0.000	0.000	-460.502	-4.809	0.000	4.809	-0.814
58.00	-8.250	-22.613	0.000	0.000	0.000	-452.228	-4.981	0.000	4.981	-0.827
59.00	-8.227	-22.363	0.000	0.000	0.000	-443.978	-5.156	0.000	5.156	-0.841
60.00	-8.203	-22.114	0.000	0.000	0.000	-435.752	-5.334	0.000	5.334	-0.854
61.00	-8.180	-21.866	0.000	0.000	0.000	-427.549	-5.514	0.000	5.514	-0.868
62.00	-8.156	-21.620	0.000	0.000	0.000	-419.369	-5.697	0.000	5.697	-0.881
63.00	-8.132	-21.374	0.000	0.000	0.000	-411.214	-5.884	0.000	5.884	-0.895
64.00	-8.108	-21.130	0.000	0.000	0.000	-403.082	-6.073	0.000	6.073	-0.908
65.00	-8.084	-20.886	0.000	0.000	0.000	-394.974	-6.264	0.000	6.264	-0.922
66.00	-8.060	-20.644	0.000	0.000	0.000	-386.890	-6.459	0.000	6.459	-0.935
67.00	-8.036	-20.403	0.000	0.000	0.000	-378.831	-6.656	0.000	6.656	-0.948
68.00	-8.011	-20.163	0.000	0.000	0.000	-370.795	-6.856	0.000	6.856	-0.962
69.00	-7.987	-19.924	0.000	0.000	0.000	-362.784	-7.059	0.000	7.059	-0.975
70.00	-7.963	-19.686	0.000	0.000	0.000	-354.797	-7.265	0.000	7.265	-0.988
71.00	-7.938	-19.449	0.000	0.000	0.000	-346.835	-7.473	0.000	7.473	-1.001
72.00	-7.914	-19.213	0.000	0.000	0.000	-338.897	-7.685	0.000	7.685	-1.014
73.00	-7.889	-18.979	0.000	0.000	0.000	-330.983	-7.898	0.000	7.898	-1.027
74.00	-7.865	-18.745	0.000	0.000	0.000	-323.094	-8.115	0.000	8.115	-1.040
75.00	-7.840	-18.513	0.000	0.000	0.000	-315.230	-8.334	0.000	8.334	-1.053
76.00	-7.815	-18.282	0.000	0.000	0.000	-307.390	-8.556	0.000	8.556	-1.066
77.00	-7.790	-18.051	0.000	0.000	0.000	-299.575	-8.781	0.000	8.781	-1.078
78.00	-7.765	-17.822	0.000	0.000	0.000	-291.785	-9.008	0.000	9.008	-1.091
79.00	-7.741	-17.594	0.000	0.000	0.000	-284.020	-9.238	0.000	9.238	-1.103
80.00	-7.716	-17.368	0.000	0.000	0.000	-276.279	-9.470	0.000	9.470	-1.115
81.00	-7.691	-17.142	0.000	0.000	0.000	-268.564	-9.705	0.000	9.705	-1.128
82.00	-7.666	-16.917	0.000	0.000	0.000	-260.873	-9.943	0.000	9.943	-1.140
83.00	-7.641	-16.694	0.000	0.000	0.000	-253.208	-10.183	0.000	10.183	-1.152
84.00	-7.615	-16.471	0.000	0.000	0.000	-245.568	-10.426	0.000	10.426	-1.164
85.00	-7.590	-16.250	0.000	0.000	0.000	-237.952	-10.671	0.000	10.671	-1.175
86.00	-7.565	-16.030	0.000	0.000	0.000	-230.362	-10.918	0.000	10.918	-1.187
87.00	-6.968	-14.331	0.000	0.000	0.000	-222.797	-11.168	0.000	11.168	-1.198
88.00	-6.943	-14.123	0.000	0.000	0.000	-215.829	-11.420	0.000	11.420	-1.210
89.00	-6.918	-13.916	0.000	0.000	0.000	-208.886	-11.675	0.000	11.675	-1.221
90.00	-6.892	-13.711	0.000	0.000	0.000	-201.969	-11.932	0.000	11.932	-1.232
91.00	-6.867	-13.506	0.000	0.000	0.000	-195.076	-12.191	0.000	12.191	-1.243
92.00	-6.842	-13.302	0.000	0.000	0.000	-188.210	-12.453	0.000	12.453	-1.253
93.00	-6.816	-13.100	0.000	0.000	0.000	-181.368	-12.716	0.000	12.716	-1.264
93.50	-6.803	-12.999	0.000	0.000	0.000	-177.960	-12.849	0.000	12.849	-1.269
94.00	-6.790	-12.868	0.000	0.000	0.000	-174.559	-12.982	0.000	12.982	-1.274
95.00	-6.763	-12.609	0.000	0.000	0.000	-167.769	-13.250	0.000	13.250	-1.284
96.00	-6.736	-12.350	0.000	0.000	0.000	-161.006	-13.520	0.000	13.520	-1.294
97.00	-6.708	-12.094	0.000	0.000	0.000	-154.270	-13.792	0.000	13.792	-1.304
97.25	-6.702	-12.030	0.000	0.000	0.000	-152.593	-13.861	0.000	13.861	-1.306
98.00	-6.686	-11.951	0.000	0.000	0.000	-147.566	-14.067	0.000	14.067	-1.313
99.00	-6.666	-11.847	0.000	0.000	0.000	-140.880	-14.344	0.000	14.344	-1.337
100.0	-5.474	-9.622	0.000	0.000	0.000	-134.215	-14.627	0.000	14.627	-1.359
101.0	-5.452	-9.529	0.000	0.000	0.000	-128.741	-14.914	0.000	14.914	-1.381
102.0	-5.431	-9.438	0.000	0.000	0.000	-123.289	-15.206	0.000	15.206	-1.402
103.0	-5.409	-9.346	0.000	0.000	0.000	-117.858	-15.502	0.000	15.502	-1.423
104.0	-5.388	-9.255	0.000	0.000	0.000	-112.449	-15.803	0.000	15.803	-1.444

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
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Load Case: Twist/Sway 50.00 mph Wind with No Ice 28 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

105.0	-5.366	-9.165	0.000	0.000	0.000	-107.062	-16.107	0.000	16.107	-1.464
106.0	-5.345	-9.075	0.000	0.000	0.000	-101.696	-16.416	0.000	16.416	-1.483
107.0	-5.323	-8.986	0.000	0.000	0.000	-96.351	-16.729	0.000	16.729	-1.502
108.0	-5.301	-8.897	0.000	0.000	0.000	-91.029	-17.046	0.000	17.046	-1.520
109.0	-5.279	-8.808	0.000	0.000	0.000	-85.728	-17.366	0.000	17.366	-1.538
110.0	-3.956	-7.248	0.000	0.000	0.000	-80.448	-17.690	0.000	17.690	-1.555
111.0	-3.934	-7.171	0.000	0.000	0.000	-76.492	-18.018	0.000	18.018	-1.571
112.0	-3.912	-7.094	0.000	0.000	0.000	-72.558	-18.348	0.000	18.348	-1.587
113.0	-3.891	-7.017	0.000	0.000	0.000	-68.646	-18.683	0.000	18.683	-1.602
114.0	-3.869	-6.941	0.000	0.000	0.000	-64.755	-19.020	0.000	19.020	-1.617
115.0	-3.847	-6.866	0.000	0.000	0.000	-60.887	-19.360	0.000	19.360	-1.631
116.0	-3.825	-6.791	0.000	0.000	0.000	-57.040	-19.703	0.000	19.703	-1.645
117.0	-3.803	-6.716	0.000	0.000	0.000	-53.215	-20.049	0.000	20.049	-1.658
118.0	-3.782	-6.642	0.000	0.000	0.000	-49.412	-20.398	0.000	20.398	-1.671
119.0	-3.760	-6.568	0.000	0.000	0.000	-45.630	-20.750	0.000	20.750	-1.683
120.0	-2.827	-5.053	0.000	0.000	0.000	-41.870	-21.103	0.000	21.103	-1.694
121.0	-2.805	-4.988	0.000	0.000	0.000	-39.044	-21.459	0.000	21.459	-1.704
122.0	-2.784	-4.923	0.000	0.000	0.000	-36.238	-21.817	0.000	21.817	-1.715
123.0	-2.762	-4.859	0.000	0.000	0.000	-33.455	-22.178	0.000	22.178	-1.724
124.0	-2.741	-4.795	0.000	0.000	0.000	-30.693	-22.540	0.000	22.540	-1.733
125.0	-2.719	-4.732	0.000	0.000	0.000	-27.952	-22.904	0.000	22.904	-1.742
126.0	-2.698	-4.669	0.000	0.000	0.000	-25.233	-23.270	0.000	23.270	-1.750
127.0	-2.677	-4.607	0.000	0.000	0.000	-22.535	-23.637	0.000	23.637	-1.757
128.0	-2.655	-4.544	0.000	0.000	0.000	-19.859	-24.006	0.000	24.006	-1.764
129.0	-2.634	-4.483	0.000	0.000	0.000	-17.204	-24.376	0.000	24.376	-1.770
130.0	-2.613	-4.422	0.000	0.000	0.000	-14.570	-24.747	0.000	24.747	-1.775
131.0	-1.598	-2.977	0.000	0.000	0.000	-11.956	-25.120	0.000	25.120	-1.780
132.0	-1.577	-2.927	0.000	0.000	0.000	-10.358	-25.493	0.000	25.493	-1.783
133.0	-1.557	-2.877	0.000	0.000	0.000	-8.781	-25.867	0.000	25.867	-1.787
134.0	-1.537	-2.827	0.000	0.000	0.000	-7.224	-26.241	0.000	26.241	-1.790
135.0	-1.516	-2.778	0.000	0.000	0.000	-5.688	-26.617	0.000	26.617	-1.792
136.0	-1.496	-2.729	0.000	0.000	0.000	-4.172	-26.992	0.000	26.992	-1.794
137.0	-1.476	-2.681	0.000	0.000	0.000	-2.676	-27.368	0.000	27.368	-1.796
138.0	-0.039	-0.082	0.000	0.000	0.000	-0.059	-27.744	0.000	27.744	-1.796
139.0	-0.019	-0.041	0.000	0.000	0.000	-0.019	-28.121	0.000	28.121	-1.796
140.0	-0.018	0.000	0.000	0.000	0.000	0.000	-28.497	0.000	28.497	-1.796

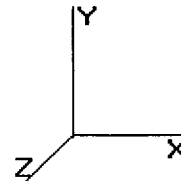
Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

Code : TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

Calculated Stresses

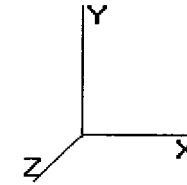
Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.54	0.26	0.00	0.00	0.00	13.64	14.19	52.0	0.0	0.273
1.00	0.53	0.26	0.00	0.00	0.00	13.63	14.17	52.0	0.0	0.273
2.00	0.53	0.26	0.00	0.00	0.00	13.61	14.15	52.0	0.0	0.272
3.00	0.53	0.26	0.00	0.00	0.00	13.60	14.13	52.0	0.0	0.272
4.00	0.53	0.26	0.00	0.00	0.00	13.58	14.12	52.0	0.0	0.272
5.00	0.53	0.26	0.00	0.00	0.00	13.56	14.10	52.0	0.0	0.271
6.00	0.53	0.26	0.00	0.00	0.00	13.54	14.08	52.0	0.0	0.271
7.00	0.52	0.26	0.00	0.00	0.00	13.53	14.06	52.0	0.0	0.270
8.00	0.52	0.26	0.00	0.00	0.00	13.51	14.03	52.0	0.0	0.270
9.00	0.52	0.26	0.00	0.00	0.00	13.49	14.01	52.0	0.0	0.270
10.00	0.52	0.26	0.00	0.00	0.00	13.47	13.99	52.0	0.0	0.269
11.00	0.52	0.26	0.00	0.00	0.00	13.44	13.97	52.0	0.0	0.269
12.00	0.51	0.26	0.00	0.00	0.00	13.42	13.94	52.0	0.0	0.268
13.00	0.51	0.26	0.00	0.00	0.00	13.40	13.92	52.0	0.0	0.268
14.00	0.51	0.26	0.00	0.00	0.00	13.38	13.89	52.0	0.0	0.267
15.00	0.51	0.27	0.00	0.00	0.00	13.35	13.87	52.0	0.0	0.267
16.00	0.51	0.27	0.00	0.00	0.00	13.33	13.84	52.0	0.0	0.266
17.00	0.50	0.27	0.00	0.00	0.00	13.30	13.82	52.0	0.0	0.266
18.00	0.50	0.27	0.00	0.00	0.00	13.28	13.79	52.0	0.0	0.265
19.00	0.50	0.27	0.00	0.00	0.00	13.25	13.76	52.0	0.0	0.265
20.00	0.50	0.27	0.00	0.00	0.00	13.22	13.73	52.0	0.0	0.264
21.00	0.50	0.27	0.00	0.00	0.00	13.19	13.70	52.0	0.0	0.264
22.00	0.49	0.27	0.00	0.00	0.00	13.17	13.67	52.0	0.0	0.263
23.00	0.49	0.27	0.00	0.00	0.00	13.14	13.64	52.0	0.0	0.262
24.00	0.49	0.27	0.00	0.00	0.00	13.10	13.60	52.0	0.0	0.262
25.00	0.49	0.27	0.00	0.00	0.00	13.07	13.57	52.0	0.0	0.261
26.00	0.49	0.27	0.00	0.00	0.00	13.04	13.54	52.0	0.0	0.260
27.00	0.49	0.27	0.00	0.00	0.00	13.01	13.50	52.0	0.0	0.260
28.00	0.48	0.27	0.00	0.00	0.00	12.97	13.46	52.0	0.0	0.259
29.00	0.48	0.28	0.00	0.00	0.00	12.94	13.43	52.0	0.0	0.258
30.00	0.48	0.28	0.00	0.00	0.00	12.90	13.39	52.0	0.0	0.258
31.00	0.48	0.28	0.00	0.00	0.00	12.86	13.35	52.0	0.0	0.257
32.00	0.48	0.28	0.00	0.00	0.00	12.82	13.31	52.0	0.0	0.256
33.00	0.47	0.28	0.00	0.00	0.00	12.78	13.27	52.0	0.0	0.255
34.00	0.47	0.28	0.00	0.00	0.00	12.74	13.22	52.0	0.0	0.254
35.00	0.47	0.28	0.00	0.00	0.00	12.70	13.18	52.0	0.0	0.254
36.00	0.47	0.28	0.00	0.00	0.00	12.66	13.13	52.0	0.0	0.253
37.00	0.47	0.28	0.00	0.00	0.00	12.61	13.09	52.0	0.0	0.252
38.00	0.46	0.28	0.00	0.00	0.00	12.57	13.04	52.0	0.0	0.251
39.00	0.46	0.28	0.00	0.00	0.00	12.52	12.99	52.0	0.0	0.250
40.00	0.46	0.28	0.00	0.00	0.00	12.47	12.94	52.0	0.0	0.249
41.00	0.46	0.29	0.00	0.00	0.00	12.42	12.89	52.0	0.0	0.248
42.00	0.46	0.29	0.00	0.00	0.00	12.37	12.84	52.0	0.0	0.247
43.00	0.45	0.29	0.00	0.00	0.00	12.32	12.78	52.0	0.0	0.246
44.00	0.45	0.29	0.00	0.00	0.00	12.27	12.73	52.0	0.0	0.245
45.00	0.45	0.29	0.00	0.00	0.00	12.21	12.67	52.0	0.0	0.244
46.00	0.45	0.29	0.00	0.00	0.00	12.16	12.62	52.0	0.0	0.243
46.25	0.45	0.29	0.00	0.00	0.00	12.14	12.60	52.0	0.0	0.242
47.00	0.44	0.29	0.00	0.00	0.00	12.10	12.55	52.0	0.0	0.242
48.00	0.44	0.29	0.00	0.00	0.00	12.04	12.49	52.0	0.0	0.240
49.00	0.43	0.29	0.00	0.00	0.00	11.98	12.42	52.0	0.0	0.239

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

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

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

50.00	0.43	0.29	0.00	0.00	0.00	11.92	12.35	52.0	0.0	0.238
51.00	0.41	0.29	0.00	0.00	0.00	11.22	11.65	52.0	0.0	0.224
52.00	0.41	0.29	0.00	0.00	0.00	11.16	11.58	52.0	0.0	0.223
53.00	0.41	0.29	0.00	0.00	0.00	11.09	11.51	52.0	0.0	0.221
54.00	0.40	0.29	0.00	0.00	0.00	11.02	11.44	52.0	0.0	0.220
55.00	0.40	0.29	0.00	0.00	0.00	10.95	11.37	52.0	0.0	0.219
56.00	0.40	0.29	0.00	0.00	0.00	10.88	11.29	52.0	0.0	0.217
57.00	0.40	0.29	0.00	0.00	0.00	10.81	11.22	52.0	0.0	0.216
58.00	0.40	0.29	0.00	0.00	0.00	10.73	11.14	52.0	0.0	0.214
59.00	0.39	0.29	0.00	0.00	0.00	10.66	11.06	52.0	0.0	0.213
60.00	0.39	0.29	0.00	0.00	0.00	10.58	10.98	52.0	0.0	0.211
61.00	0.39	0.29	0.00	0.00	0.00	10.50	10.90	52.0	0.0	0.210
62.00	0.39	0.29	0.00	0.00	0.00	10.41	10.81	52.0	0.0	0.208
63.00	0.38	0.29	0.00	0.00	0.00	10.33	10.73	52.0	0.0	0.206
64.00	0.38	0.30	0.00	0.00	0.00	10.24	10.64	52.0	0.0	0.205
65.00	0.38	0.30	0.00	0.00	0.00	10.15	10.55	52.0	0.0	0.203
66.00	0.38	0.30	0.00	0.00	0.00	10.06	10.45	52.0	0.0	0.201
67.00	0.38	0.30	0.00	0.00	0.00	9.97	10.36	52.0	0.0	0.199
68.00	0.37	0.30	0.00	0.00	0.00	9.87	10.26	52.0	0.0	0.197
69.00	0.37	0.30	0.00	0.00	0.00	9.78	10.16	52.0	0.0	0.195
70.00	0.37	0.30	0.00	0.00	0.00	9.68	10.06	52.0	0.0	0.194
71.00	0.37	0.30	0.00	0.00	0.00	9.57	9.95	52.0	0.0	0.191
72.00	0.36	0.30	0.00	0.00	0.00	9.47	9.85	52.0	0.0	0.189
73.00	0.36	0.30	0.00	0.00	0.00	9.36	9.74	52.0	0.0	0.187
74.00	0.36	0.30	0.00	0.00	0.00	9.25	9.62	52.0	0.0	0.185
75.00	0.36	0.31	0.00	0.00	0.00	9.14	9.51	52.0	0.0	0.183
76.00	0.36	0.31	0.00	0.00	0.00	9.02	9.39	52.0	0.0	0.181
77.00	0.35	0.31	0.00	0.00	0.00	8.90	9.27	52.0	0.0	0.178
78.00	0.35	0.31	0.00	0.00	0.00	8.78	9.15	52.0	0.0	0.176
79.00	0.35	0.31	0.00	0.00	0.00	8.65	9.02	52.0	0.0	0.174
80.00	0.35	0.31	0.00	0.00	0.00	8.53	8.89	52.0	0.0	0.171
81.00	0.34	0.31	0.00	0.00	0.00	8.39	8.75	52.0	0.0	0.168
82.00	0.34	0.31	0.00	0.00	0.00	8.26	8.62	52.0	0.0	0.166
83.00	0.34	0.31	0.00	0.00	0.00	8.12	8.48	52.0	0.0	0.163
84.00	0.34	0.31	0.00	0.00	0.00	7.98	8.33	52.0	0.0	0.160
85.00	0.33	0.31	0.00	0.00	0.00	7.83	8.19	52.0	0.0	0.158
86.00	0.33	0.32	0.00	0.00	0.00	7.69	8.04	52.0	0.0	0.155
87.00	0.30	0.29	0.00	0.00	0.00	7.53	7.85	52.0	0.0	0.151
88.00	0.30	0.29	0.00	0.00	0.00	7.40	7.71	52.0	0.0	0.148
89.00	0.29	0.29	0.00	0.00	0.00	7.25	7.57	52.0	0.0	0.146
90.00	0.29	0.30	0.00	0.00	0.00	7.11	7.42	52.0	0.0	0.143
91.00	0.29	0.30	0.00	0.00	0.00	6.96	7.27	52.0	0.0	0.140
92.00	0.29	0.30	0.00	0.00	0.00	6.81	7.12	52.0	0.0	0.137
93.00	0.28	0.30	0.00	0.00	0.00	6.65	6.96	52.0	0.0	0.134
93.50	0.28	0.30	0.00	0.00	0.00	6.57	6.88	52.0	0.0	0.132
94.00	0.28	0.30	0.00	0.00	0.00	6.49	6.80	52.0	0.0	0.131
95.00	0.28	0.30	0.00	0.00	0.00	6.33	6.63	52.0	0.0	0.128
96.00	0.27	0.30	0.00	0.00	0.00	6.16	6.46	52.0	0.0	0.124
97.00	0.27	0.30	0.00	0.00	0.00	5.99	6.28	52.0	0.0	0.121
97.25	0.70	0.79	0.00	0.00	0.00	14.94	15.70	51.3	0.0	0.306
98.00	0.70	0.79	0.00	0.00	0.00	14.60	15.36	51.5	0.0	0.298
99.00	0.70	0.79	0.00	0.00	0.00	14.13	14.89	51.6	0.0	0.289
100.00	0.57	0.65	0.00	0.00	0.00	13.66	14.27	51.8	0.0	0.276
101.00	0.57	0.66	0.00	0.00	0.00	13.29	13.90	51.9	0.0	0.268
102.00	0.57	0.66	0.00	0.00	0.00	12.91	13.52	52.0	0.0	0.260
103.00	0.57	0.66	0.00	0.00	0.00	12.52	13.14	52.0	0.0	0.253
104.00	0.57	0.66	0.00	0.00	0.00	12.12	12.74	52.0	0.0	0.245

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

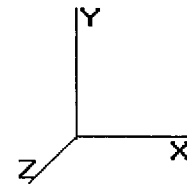
Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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

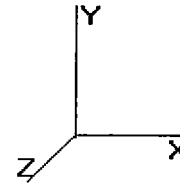
105.00	0.56	0.67	0.00	0.00	0.00	11.71	12.33	52.0	0.0	0.237
106.00	0.56	0.67	0.00	0.00	0.00	11.29	11.91	52.0	0.0	0.229
107.00	0.56	0.67	0.00	0.00	0.00	10.85	11.47	52.0	0.0	0.221
108.00	0.56	0.67	0.00	0.00	0.00	10.41	11.03	52.0	0.0	0.212
109.00	0.56	0.67	0.00	0.00	0.00	9.95	10.57	52.0	0.0	0.203
110.00	0.46	0.51	0.00	0.00	0.00	9.48	9.98	52.0	0.0	0.192
111.00	0.46	0.51	0.00	0.00	0.00	9.15	9.66	52.0	0.0	0.186
112.00	0.46	0.51	0.00	0.00	0.00	8.82	9.32	52.0	0.0	0.179
113.00	0.46	0.51	0.00	0.00	0.00	8.47	8.98	52.0	0.0	0.173
114.00	0.46	0.51	0.00	0.00	0.00	8.12	8.62	52.0	0.0	0.166
115.00	0.46	0.51	0.00	0.00	0.00	7.76	8.26	52.0	0.0	0.159
116.00	0.45	0.52	0.00	0.00	0.00	7.38	7.89	52.0	0.0	0.152
117.00	0.45	0.52	0.00	0.00	0.00	7.00	7.51	52.0	0.0	0.144
118.00	0.45	0.52	0.00	0.00	0.00	6.61	7.11	52.0	0.0	0.137
119.00	0.45	0.52	0.00	0.00	0.00	6.20	6.71	52.0	0.0	0.129
120.00	0.35	0.39	0.00	0.00	0.00	5.78	6.17	52.0	0.0	0.119
121.00	0.35	0.39	0.00	0.00	0.00	5.48	5.87	52.0	0.0	0.113
122.00	0.35	0.39	0.00	0.00	0.00	5.18	5.56	52.0	0.0	0.107
123.00	0.34	0.39	0.00	0.00	0.00	4.86	5.25	52.0	0.0	0.101
124.00	0.34	0.39	0.00	0.00	0.00	4.53	4.92	52.0	0.0	0.095
125.00	0.34	0.40	0.00	0.00	0.00	4.20	4.59	52.0	0.0	0.088
126.00	0.34	0.40	0.00	0.00	0.00	3.86	4.25	52.0	0.0	0.082
127.00	0.34	0.40	0.00	0.00	0.00	3.51	3.91	52.0	0.0	0.075
128.00	0.34	0.40	0.00	0.00	0.00	3.15	3.55	52.0	0.0	0.068
129.00	0.33	0.40	0.00	0.00	0.00	2.77	3.18	52.0	0.0	0.061
130.00	0.33	0.40	0.00	0.00	0.00	2.39	2.81	52.0	0.0	0.054
131.00	0.23	0.24	0.00	0.00	0.00	2.00	2.26	52.0	0.0	0.044
132.00	0.22	0.24	0.00	0.00	0.00	1.76	2.03	52.0	0.0	0.039
133.00	0.22	0.24	0.00	0.00	0.00	1.52	1.79	52.0	0.0	0.035
134.00	0.22	0.24	0.00	0.00	0.00	1.28	1.55	52.0	0.0	0.030
135.00	0.22	0.24	0.00	0.00	0.00	1.02	1.31	52.0	0.0	0.025
136.00	0.22	0.24	0.00	0.00	0.00	0.77	1.07	52.0	0.0	0.021
137.00	0.22	0.24	0.00	0.00	0.00	0.50	0.83	52.0	0.0	0.016
138.00	0.01	0.01	0.00	0.00	0.00	0.01	0.02	52.0	0.0	0.000
139.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	52.0	0.0	0.000
140.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	52.0	0.0	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: TIA/EIA-222 Rev F

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Base Elev : 0.000 (ft)



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Analysis Summary

Load Case	Reactions						Max Stresses			
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Combined Stress (ksi)	Allowable Stress (ksi)	Elev (ft)	Stress Ratio
No Ice	30.4	0.00	39.67	0.00	0.00	3126.65	49.06	51.3	97.25	0.956
Ice	25.4	0.00	46.12	0.00	0.00	2671.59	43.40	51.3	97.25	0.845
Twist/Sway	9.4	0.00	39.68	0.00	0.00	965.95	15.70	51.3	97.25	0.306

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	47.13 in
	Pole Thickness	0.5 in
	Plate Length	54 in
	Plate Thickness	3.25 in
	Plate Fy	50 ksi
	Weld Length	0.25 in
	ϕ_s Resistance	1686.33 k-in
	Applied	1269.63 k-in
	Stiffeners	#

Bolts	#	16
	Bolt Circle	54 in
	(R)adial / (S)quare	S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.75 in
	Type	#18J
	Fy	75 ksi
	Fu	100 ksi
	ϕ_s Resistance	174.95 k
Applied	175.36 k	
Reinforcement	#	0
Extra Bolts	#	0

Code Rev. **F**
A.S.I. **1.33**
Moment **3126.7 k-ft**
Axial **46.1 k**

Date **11/23/2011**
Engineer **CM**
Site # **310968**
Carrier **Verizon**

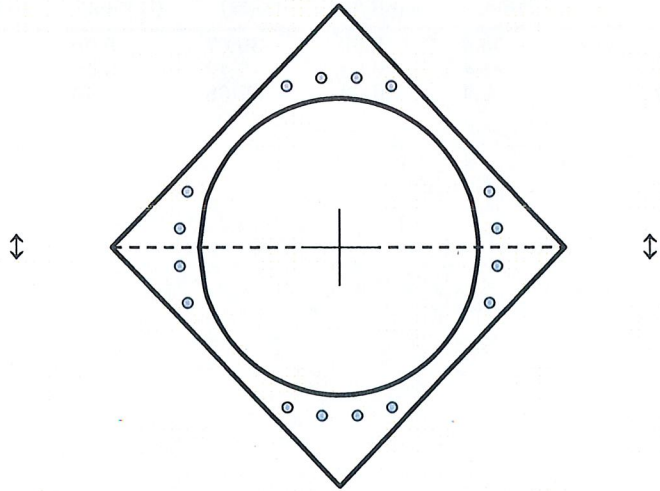
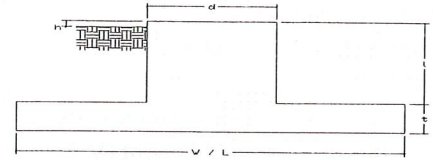


Plate Stress Ratio:
0.75 (Pass)

Bolt Stress Ratio:
1.00 (Acceptable Overstress)

Site Name: WSPT-Westport Rebuild CT, CT
 Site Number: 310968
 Engineering Number: 48247523
 Engineer: C. Minor
 Date: 11/23/11
 Tower Type: MP

Program Last Updated: 8/4/2011



Design Loads (Unfactored)

Foundation Mapped:	N	Concrete Strength (f'_c):	3000 psi
Compression/Leg:	0.0 k	Pad Tension Steel Depth:	44.00 in
Uplift/Leg:	0.0 k	Wind Load Factor:	1.3
Total Shear:	30.4 k	ϕ_{Shear} :	0.75
Moment:	3126.7 k-ft	$\phi_{\text{Flexure / Tension}}$:	0.90
Tower + Appurtenance Weight:	46.1 k	$\phi_{\text{Compression}}$:	0.65
Depth to Base of Foundation:	7.00 ft	β :	0.85
Diameter of Pier (d):	6.77 ft	Bottom Pad Rebar Size #:	9
Height of Pier above Ground (h):	0.50	# of Bottom Pad Rebar:	25
Width of Pad (W):	23.00 ft	Pad Bottom Steel Area:	25.00 in ²
Length of Pad (L):	23.00 ft	Pad Steel F_y :	60000 psi
Thickness of Pad (t):	4.00 ft	Top Pad Rebar Size #:	9
Tower Leg Center to Center:	0.00 ft	# of Top Pad Rebar:	25
Number of Tower Legs:	1.0 (1 if MP or GT)	Pad Top Steel Area:	25.00 in ²
Tower Center from Mat Center:	0.00 ft	Pier Rebar Size #:	11
Depth Below Ground Surface to Water Table:	100.00 ft	Pier Steel Area (Single Bar):	1.56 in ²
Unit Weight of Concrete:	150.0 pcf	# of Pier Rebar:	40
Unit Weight of Soil Above Water Table:	115.0 pcf	Pier Steel F_y :	60000 psi
Unit Weight of Water:	62.4 pcf	Pier Cage Diameter:	73.2 in
Unit Weight of Soil Below Water Table:	60.0 pcf	Rebar Strain Limit:	0.008
Friction Angle of Uplift:	31.00 Degrees	Steel Elastic Modulus:	29000 ksi
Ultimate Coefficient of Shear Friction:	0.34	Tie Rebar Size #:	4
Allowable Compressive Bearing Pressure:	10000.0 psf	Tie Steel Area (Single Bar):	0.20 in ²
Ultimate Passive Pressure on Pad Face:	10500.0 psf	Tie Spacing:	6 in
Allowable Capacity Increase:	1.00	Tie Steel F_y :	60000 psi

Overturning Factor of Safety

Design OTM: 3354.9 k-ft
 OTM Resistance: 8696.0 k-ft
 OTM Resistance / Design OTM Factor of Safety: 2.59 Result: OK

Soil Bearing Pressure Usage:

Total Weight (Foundation, Soil, Tower): 552.5 k
 Net Bearing Pressure: 3091 psf
 Allowable Bearing Pressure: 10000 psf
 Net Bearing Pressure/Allowable Bearing Pressure: 0.31 Result: OK
 Load Direction Controlling Design Bearing Pressure: Diagonal to Pad Edge

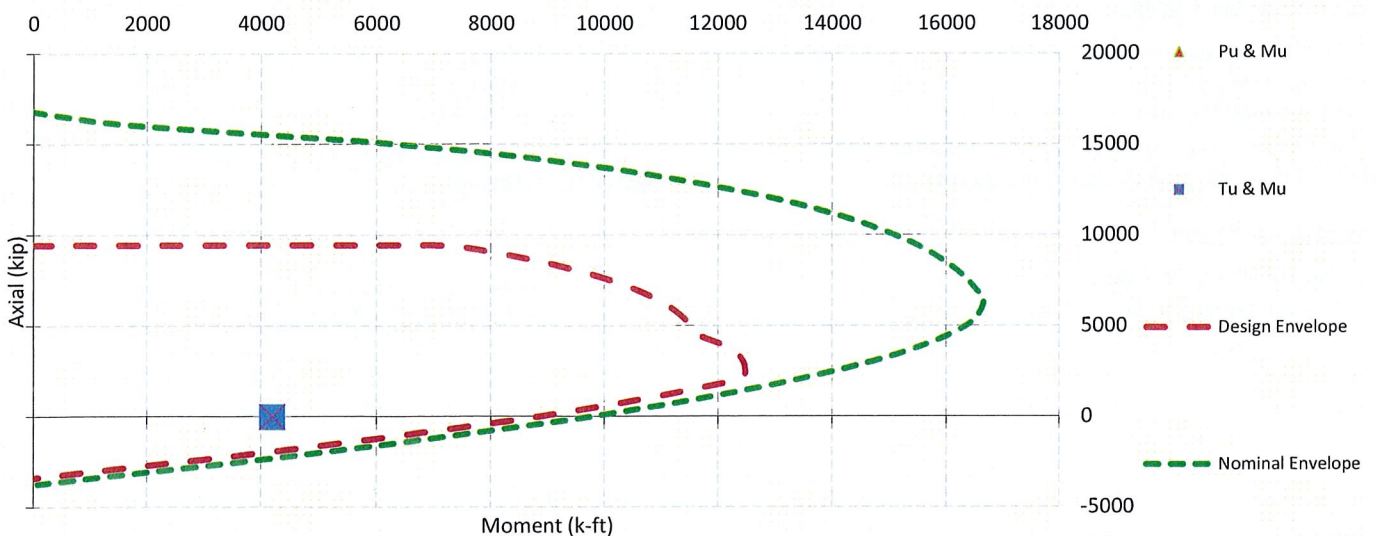
Sliding Factor of Safety

Total Ultimate Sliding Resistance: 1153.9 k
 Sliding Resistance/Sliding Design Factor of Safety: 37.92 Result: OK

One Way Shear, Flexural Capacity, and Punching Shear

Factored One Way Shear (V_u):	214.4 k
One Way Shear Capacity (ϕV_c):	799.2 k - ACI11.3.1.1
$V_u / \phi V_c$:	0.27 Result: OK
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge
Lower Pad Steel Factored Moment (M_u):	1747.1 k-ft
Lower Steel Pad Moment Capacity (ϕM_n):	5196.6 k-ft - ACI10.3
$M_u / \phi M_n$:	0.34 Result: OK
Load Direction Controlling Flexural Capacity:	Diagonal to Pad Edge
Upper Steel Pad Factored Moment (M_u):	1104.0 k-ft
Upper Steel Pad Moment Capacity (ϕM_n):	4848.1 k-ft
$M_u / \phi M_n$:	0.23 Result: OK
Lower Pad Flexural Reinforcement Ratio:	0.0021 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Upper Pad Flexural Reinforcement Ratio:	0.0021 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Lower Pad Reinforcement Spacing:	11 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Upper Pad Reinforcement Spacing:	11 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Factored Punching Shear (V_u):	0.0 k
Nominal Punching Shear Capacity ($\phi_c V_n$):	2844.6 k - ACI11.12.2.1
$V_u / \phi V_c$:	0.00 Result: OK
Factored Moment in Pier (M_u):	4203.1 k-ft
Pier Moment Capacity (ϕM_n):	10058.4 k-ft
$M_u / \phi M_n$:	0.42 Result: OK
Factored Shear in Pier (V_u):	39.6 k
Pier Shear Capacity (ϕV_n):	425.9 k
$V_u / \phi V_c$:	0.09 Result: OK
Pier Shear Reinforcement Ratio:	0.0004 No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0 k
Pier Tension Capacity (ϕT_n):	3369.6 k
$T_u / \phi T_n$:	0.00 Result: OK
Factored Compression in Pier (P_u):	0.0 k
Pier Compression Capacity (ϕP_n):	8737.6 k - ACI10.3.6.2
$P_u / \phi P_n$:	0.00 Result: OK
Pier Compression Reinforcement Ratio:	0.012 OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4
$M_u / \phi M_n + T_u / \phi T_n$:	0.42 Result: OK

Nominal and Design Moment Capacity and Factored Design Loads



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October 24, 2012

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OCT 26 2012

CONNECTICUT
SITING COUNCIL

Linda Roberts
Executive Director
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **EM-VER-158-111214 – Bayberry Lane, Westport, Connecticut**
EM-VER-033-120620 – 201 Main Street, Cromwell, Connecticut
EM-VER-155-120615 – 570 New Park Avenue, West Hartford, Connecticut
EM-VER-151-120802 – 940 Meriden Road, Waterbury, Connecticut
EM-VER-110-120806 – 335 Washington Street, Plainville, Connecticut
EM-VER-011-120525 – 811 Blue Hills Avenue, Bloomfield, Connecticut
EM-VER-017-120904 – 1191 Terryville Avenue, Bristol, Connecticut
EM-VER-155-120829 – 3114 Albany Avenue, West Hartford, Connecticut

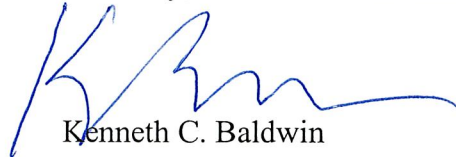
Completion of Construction Activity

Dear Ms. Roberts:

The purpose of this letter is to notify the Siting Council that construction activity associated with the above-referenced Cellco Partnership d/b/a Verizon Wireless telecommunications facility modifications has been completed.

If you have any questions or need any additional information regarding this facility please do not hesitate to contact me.

Sincerely,



Kenneth C. Baldwin



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