

THE CONNECTICUT LIGHT AND POWER COMPANY

**REQUEST FOR TOWER SHARING ON AN EXISTING TELECOMMUNICATIONS
FACILITY IN THE TOWN OF WESTPORT, CONNECTICUT**

A. Introduction:

Pursuant to Regulations of Connecticut State Agencies (“RCSA”) §§16-50j-88 to 16-50j-90, and Connecticut General Statutes (“CGS”) §16-50k, Northeast Utilities Service Company (“NUSCo”) as agent for its corporate affiliate, The Connecticut Light and Power Company (“CL&P”), hereby requests approval of the Connecticut Siting Council (the “Council”) for tower sharing on an existing wireless telecommunications facility located at 180A Bayberry Lane, Westport, Connecticut (the “Property”). Specifically, CL&P proposes to collocate on an existing monopole that is owned and maintained by American Tower Corporation. (“ATC”). NUSCo submits that no certificate of environmental compatibility and public need pursuant to CGS §16-50k (“Certificate”) is required because the proposed tower sharing would satisfy the requirements set out in RCSA §§16-50j-88 to 16-50j-90 and therefore would qualify for exemption.

B. Background:

CL&P is in the process of expanding its 900 MHz Distribution Supervisory Control and Data Acquisition (“DSCADA”) system throughout Connecticut. This system allows for a more reliable electrical distribution system and enhanced public safety by means of remotely operating line disconnect equipment where connected to reclosures/switching equipment. ATC currently owns and operates a telecommunications tower, located on the Property. The total height of the existing monopole is 140 feet above ground level (“AGL”). CL&P is proposing to attach one antenna to the existing monopole at a mount height of 140 feet AGL.

C. Description of the “Project”:

CL&P proposes to attach one (1) 9-foot omnidirectional antenna to the existing monopole on an 8’ pipe mount located at a height of 140 feet AGL. In an effort to minimize environmental impact and construction, CL&P proposes to purchase an existing 10-foot by 20-foot equipment shelter from ATC that is currently installed within the existing chain-link fenced compound. All installations would be located within the existing chain-link fenced compound. For elevation and location drawings of the proposed installations, please see Attachment 1: *Project Plans*, dated April 16, 2014.

ATC has agreed to CL&P’s proposed installations and is entering into a lease agreement with CL&P to allow for such installations and to provide necessary associated rights to CL&P to access the Property. Please see Attachment 2: *Letter*

of *Authorization from American Tower Corporation*, dated March 18, 2014, stating its agreement with CL&P's proposed shared use of its existing telecommunications tower on the Property.

An independent structural review and evaluation has been performed to ensure that the tower and foundation would be structurally capable of supporting the loading from the proposed installations. A detailed structural analysis for the proposed tower modifications is included as Attachment 3: *Structural Analysis Report*, dated May 16, 2014.

D. The proposed installations would not have a substantial environmental effect because:

1) Wetlands and Watercourses

There are no wetlands or watercourses located on or near the location of the proposed installations; therefore, the Project would not have an adverse effect on wetlands or watercourses.

2) Soil Erosion, Sediment Control, and Soil Remediation

To the extent needed during the Project, CL&P would apply soil erosion and sediment control practices pursuant to the *2002 Connecticut Guidelines for Soil Erosion and Sediment Control*.

3) Wildlife and Vegetation

The Project would not have a significant adverse effect on wildlife or vegetation as its scope is limited to the area within the existing chain-link fenced compound.

4) Noise

Noise emitted by the proposed equipment would comply with State regulations. The addition of the CL&P equipment to the facility would have a negligible impact on noise emissions, which would remain consistent with present day levels.

5) Safety and Health

The proposed installations would not create any safety or health hazards to persons or property.

CL&P does not anticipate the need for specific traffic control measures during construction on the Property or equipment and materials delivery. Subsequent to completion of construction, the proposed installations would not generate

any additional traffic to the area other than continued periodic maintenance visits.

Radio-signal emissions from the proposed equipment, after installation on the Property, would not exceed the total radio-frequency (“RF”) electromagnetic power density level permitted by the Federal Communications Commission (“FCC”). To ensure compliance with the applicable standard, CL&P commissioned C Squared Systems to perform a calculated power-density analysis for the proposed CL&P antenna installation using the methodology prescribed by the FCC’s Office of Engineering and Technology Bulletin No. 65, Edition 97-01 (August 1997). The analysis verifies that after completion of the CL&P installations, composite emissions from the facility would be well below the maximum power density levels as outlined by the FCC in OET Bulletin 65 Ed. 97-01. The highest expected percent of Maximum Permissible Exposure, at ground level, is 3.28% of the FCC limit. Please refer to Attachment 4: *Radio Frequency Exposure Report* dated March 14, 2014, for details of the analysis.

6) Visual

The Project would have minimal visual impact due to the dimensions and heights of the proposed antennas on the existing monopole. The shelter in which CL&P proposed to purchase from ATC currently exists on site and is located within the fenced compound.

7) Forests and Parks

The Property contains no areas of recreation or public interest administered by any federal, state, local, or private agencies.

E. Schedule:

Construction of this modification would begin as soon as practical after issuance of the requested approval of the Council and would be less than four months in duration. CL&P anticipates that construction would be completed by the end summer of 2014.

F. Conclusion:

RCSA §16-50j-88 indicates that no Certificate is needed for proposed sharing of a telecommunications facility that the Council determines satisfies the criteria set out in RCSA §§16-50j-88 to 16-50j-90. Based on the factors set forth above, NUSCo respectfully submits that the installations of the antenna and other equipment at this existing telecommunications facility would be technically, legally, environmentally and economically feasible and would satisfy the criteria of RCSA §§16-50j-88 to 16-50j-90 for exemption from the requirement for a Certificate. Accordingly,

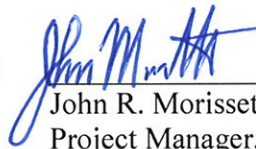
NUSCo requests that the Council issue an order approving CL&P's proposed tower sharing pursuant to RCSA §16-50j-88.

G. Communications regarding this Request for Tower Sharing should be directed to:

Mr. John R. Morissette
Project Manager, Transmission Siting
Northeast Utilities Service Company
P.O. Box 270
Hartford, CT 06141-0270
Telephone: (860) 728-4532

NORTHEAST UTILITIES SERVICE COMPANY

By:



John R. Morissette
Project Manager, Transmission Siting

Attachments:

- Attachment 1: Project Plans
- Attachment 2: Letter of Authorization from ATC.
- Attachment 3: Structural Analysis Report
- Attachment 4: Radio Frequency Exposure Report

Attachment 1



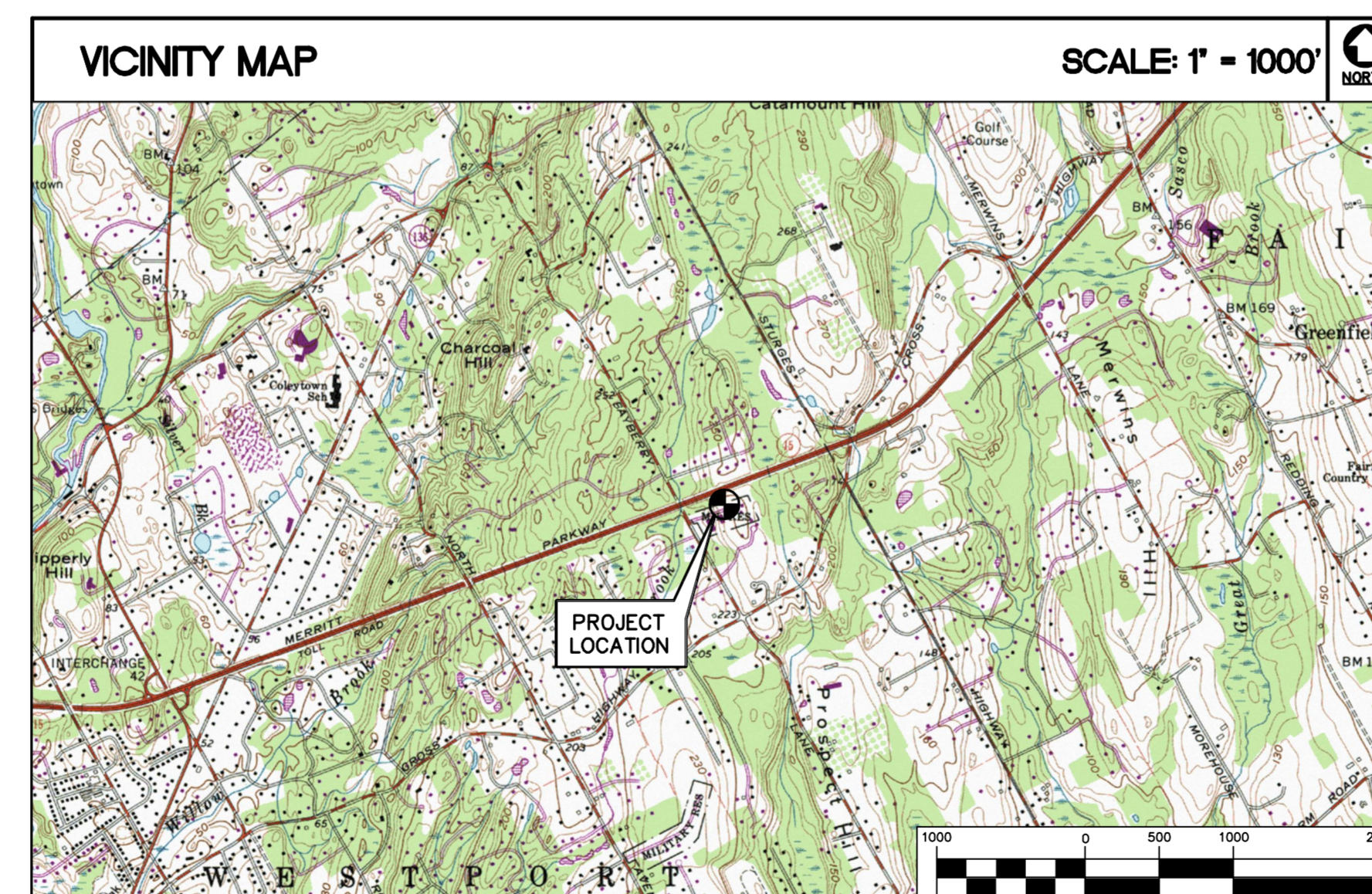
Northeast Utilities System

WESTPORT ATC 180A BAYBERRY LANE WESTPORT, CT 06880

SITE DIRECTIONS		
FROM:	107 SELDEN STREET BERLIN, CONNECTICUT	TO: 180A BAYBERRY LANE WESTPORT, CONNECTICUT
1. Head northwest on Selden St toward CT-15 N/US-5 N/Berlin Turnpike	0.1 mi	
2. Turn left onto CT-15 S/US-5 S/Berlin Turnpike, Continue to follow US-15 S	51.7 mi	
3. Take exit 42 for CT-57 toward Westport Weston	0.1 mi	
4. Turn right onto CT-57 S/ Weston Rd, Continue to follow Weston Rd	0.5 mi	
5. Turn left onto Cross Hwy	1.6 mi	
6. Turn left onto Bayberry Ln, Destination will be on the right	0.3 mi	

GENERAL NOTES
1. PROPOSED ANTENNA LOCATIONS AND HEIGHTS PROVIDED BY NORTHEAST UTILITIES SYSTEM.

PROJECT SCOPE
1. THE PROPOSED SCOPE OF WORK INCLUDES THE ACQUISITION OF A PREVIOUSLY INSTALLED ±10' x ±20' EQUIPMENT SHELTER.
2. ONE (1) OMNIDIRECTIONAL ANTENNA IS PROPOSED TO BE INSTALLED ON A 10' PIPE EXTENSION MOUNTED TO THE EXISTING TOWER.
3. NO CHANGES ARE PROPOSED TO THE EXISTING UTILITIES SERVICING THE COMPOUND AT THIS TIME.

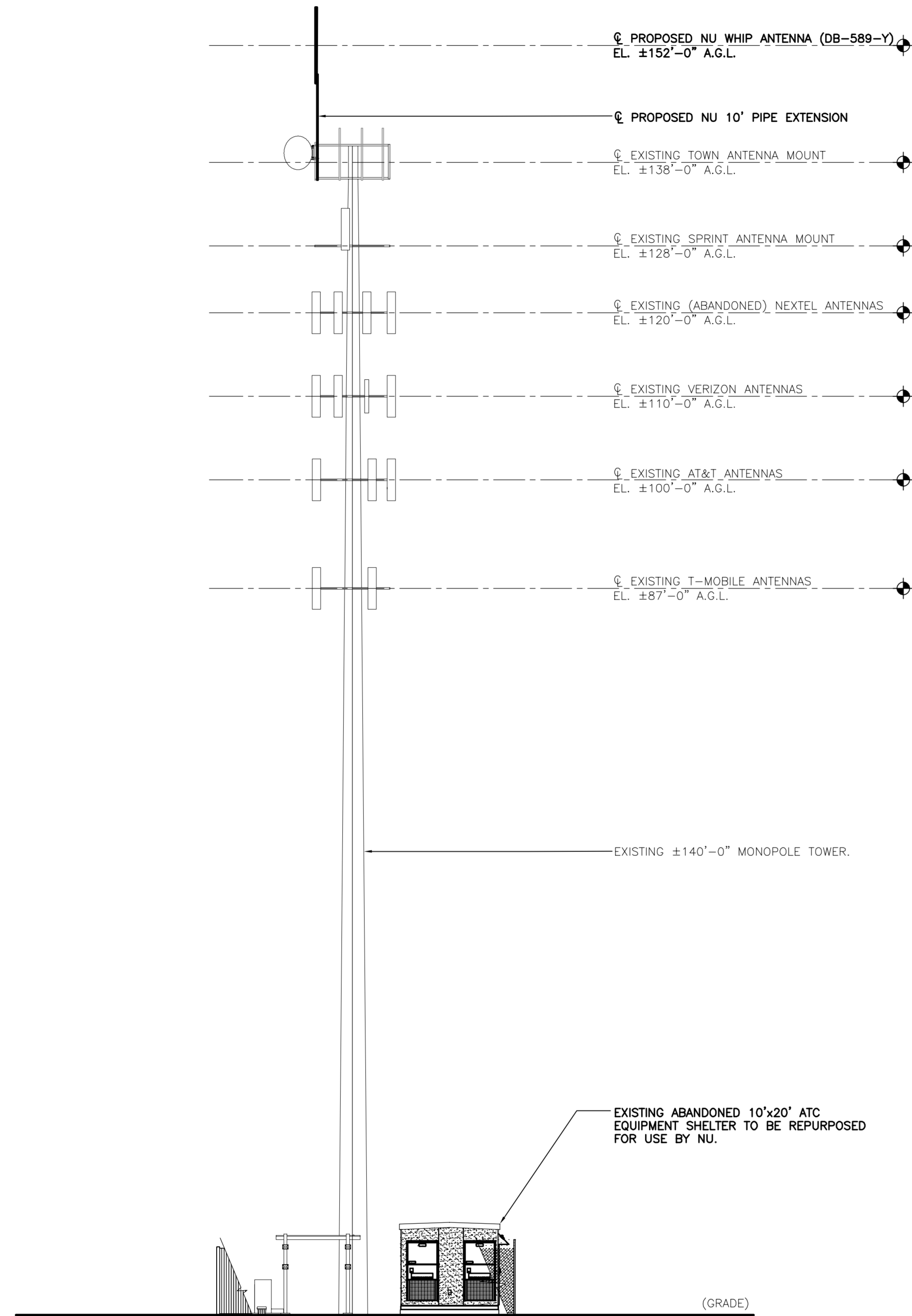


PROJECT SUMMARY	
SITE NAME:	WESTPORT ATC
SITE ADDRESS:	180A BAYBERRY LANE WESTPORT ATC, CT 06880
LESSEE/ TENANT:	NORTHEAST UTILITIES SYSTEM 107 SELDEN STREET BERLIN, CT 06037
CONTACT PERSON:	RYAN FITTERMAN NORTHEAST UTILITIES SYSTEM (860) 665-4855
TOWER COORDINATES:	LATITUDE: 41°-10'-18.00" N LONGITUDE: 73°-19'-42.48" W GROUND ELEVATION: ±261' AMSL
	COORDINATES REFERENCED FROM STRUCTURAL ANALYSIS REPORT PREPARED BY AMERICAN TOWER CORPORATION. GROUND ELEVATION REFERENCED FROM AVAILABLE TOPOGRAPHIC MAPPING.

SHEET INDEX		
SHT. NO.	DESCRIPTION	REV. NO.
T-1	TITLE SHEET	2
C-1	COMPOUND PLAN AND ELEVATION	2

PROFESSIONAL ENGINEER SEAL	
 Northeast Utilities System  CENTEK engineering <small>Centek on Solutions™ (203) 488-0360 Fax: (203) 488-8597 65 North Business Road, Berlin, CT 06035</small>	
NORTHEAST UTILITIES SYSTEM <small>WIRELESS COMMUNICATIONS FACILITY</small> WESTPORT ATC <small>180A BAYBERRY LANE WESTPORT, CT 06880</small>	
DATE:	04/16/14
SCALE:	AS NOTED
JOB NO.	14052
TITLE SHEET	
<h1>T-1</h1>	
Sheet No. 1 of 2	

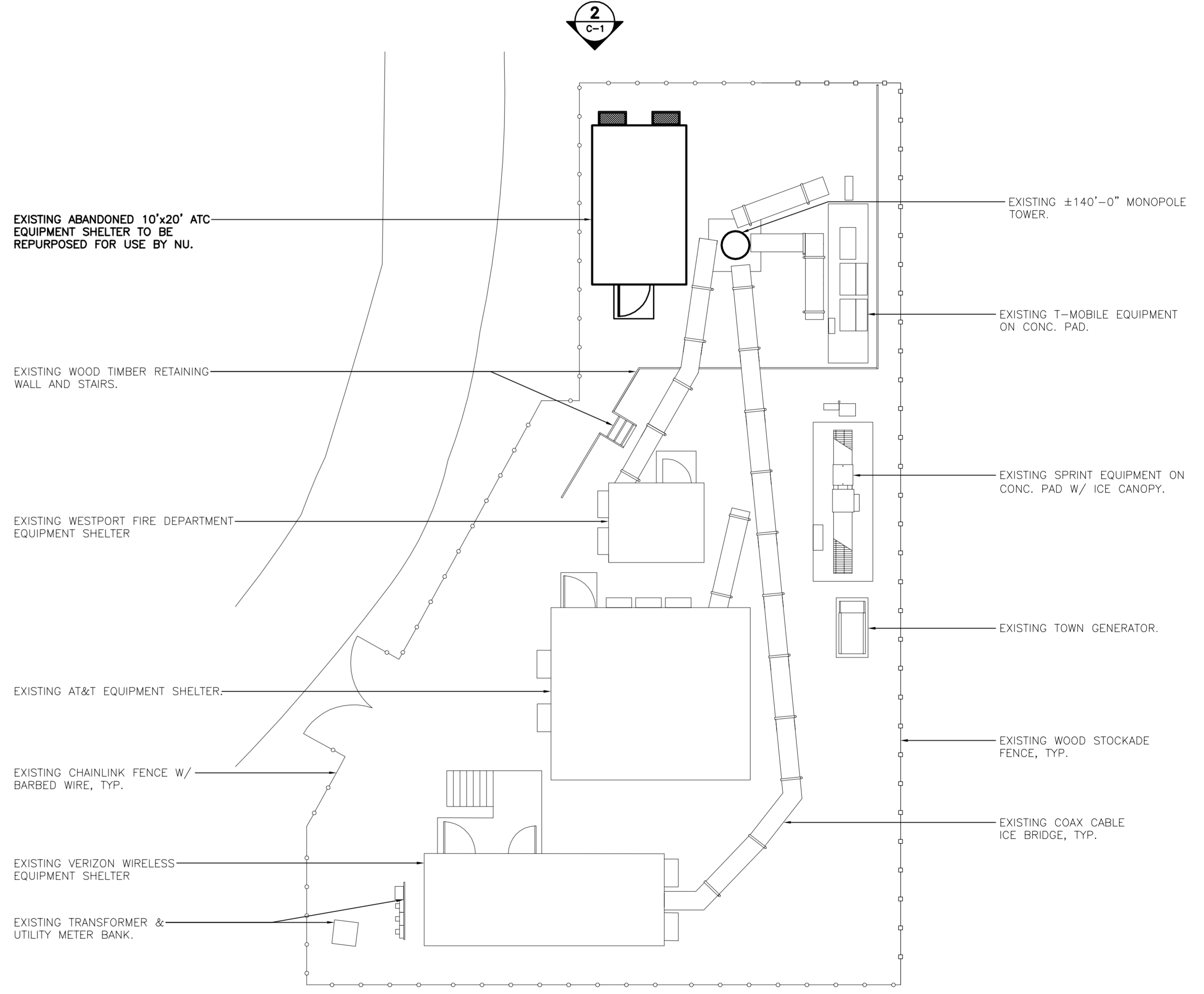
REV.	DATE	BY	DESCRIPTION
2	06/12/14	HMR	REVISED CSC
1	04/17/14	CTP	CSC
0	04/16/14	CTP	CSC - ISSUED FOR CLIENT REVIEW



2 NORTH ELEVATION
 C-1 SCALE: 1" = 10'
 GRAPHIC SCALE
 (IN FEET)
 1 inch = 10 ft.

TOWER STRUCTURAL NOTES:

1. TOWER STRUCTURE TO COMPLY WITH LOADING AND DESIGN REQUIREMENTS PRESCRIBED BY THE 2003 INTERNATIONAL BUILDING CODE PORTION OF THE 2005 CONNECTICUT STATE BUILDING CODE AS MODIFIED BY THE 2009 CONNECTICUT SUPPLEMENT.
2. ALL ANTENNAS AND COAX TO BE INSTALLED IN ACCORDANCE WITH STRUCTURAL ANALYSIS REPORT PREPARED BY AMERICAN TOWER CORPORATION. AMERICAN TOWER CORPORATION SITE NUMBER 310968, ENGINEERING NUMBER 57405625, DATED MAY 16, 2014.
3. REFER TO ABOVE REFERENCED STRUCTURAL ANALYSIS REPORT FOR ALL EXISTING AND RESERVED ANTENNA AND CABLE LOADING INFORMATION.



1 COMPOUND PLAN
 C-1 SCALE: 1" = 10'
 GRAPHIC SCALE
 (IN FEET)
 1 inch = 10 ft.

REV.	DATE	BY	CHK'D BY	DESCRIPTION
2	06/12/14	HHR	DND	REVISED CSC
1	04/17/14	CTP	CLT	CSC
0	04/16/14	CTP	CLT	CSC - ISSUED FOR CLIENT REVIEW

PROFESSIONAL ENGINEER SEAL

Northeast Utilities System
CEN TEK engineering
 Combined on Solutions™
 (203) 488-0360 Fax: (203) 488-8587
 85-2 North Business Road, Berlin, CT 06040

NORTHEAST UTILITIES SYSTEM
 WIRELESS COMMUNICATIONS FACILITY
WESTPORT ATC
 180A BAYBERRY LANE
 WESTPORT, CT 06880

DATE: 04/16/14
 SCALE: AS NOTED
 JOB NO. 14052

COMPOUND PLAN AND ELEVATION

C-1
 Sheet No. 2 of 2

Attachment 2



AMERICAN TOWER®
CORPORATION

LETTER OF AUTHORIZATION

ATC SITE # / NAME: 310968 / WSPT-WESTPORT REBUILD CT
SITE ADDRESS: 180A Bayberry Lane, Westport, CT
LICENSEE: Connecticut Light and Power Company

I, **Daniel Broe, Senior Counsel for American Tower***, operator of the tower facility located at the address identified above (the "Tower Facility"), do hereby authorize Connecticut Light and Power Company, its successors and assigns, and/or its agent, (collectively, the "Licensee") to act as American Tower's non-exclusive agent for the sole purpose of filing and consummating any land-use or building permit application(s) as may be required by the applicable permitting authorities for Licensee's telecommunications' installation.

We understand that this application may be denied, modified or approved with conditions. The above authorization is limited to the acceptance by Licensee only of conditions related to Licensee's installation and any such conditions of approval or modifications will be Licensee's sole responsibility.

Signature:

Print Name: Daniel Broe
Senior Counsel
American Tower*

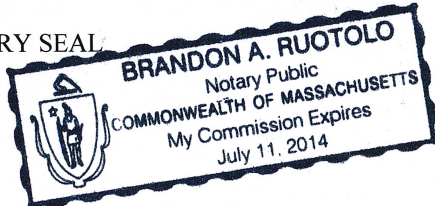
NOTARY BLOCK

Commonwealth of MASSACHUSETTS
County of Middlesex

This instrument was acknowledged before me by **Daniel Broe, Senior Counsel for American Tower***, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same.

WITNESS my hand and official seal, this 18 day of March, 2014.

NOTARY SEAL



Notary Public
My Commission Expires: _____

*American Tower includes all affiliates and subsidiaries of American Tower Corporation.

Attachment 3



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 140 ft Monopole
ATC Site Name : WSPT-Westport Rebuild CT, CT
ATC Site Number : 310968
Engineering Number : 57405625
Proposed Carrier : Connecticut Light & Power
Carrier Site Name : Westport ATC
Carrier Site Number : N/A
Site Location : 180A Bayberry Lane
Westport, CT 06880-2844
41.171667,-73.328467
County : Fairfield
Date : May 16, 2014
Max Usage : 99%
Result : Pass

Theodore A. Deters, E.I.



May 16 2014 1:37 PM



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Introduction

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

Supporting Documents

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

Analysis

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

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

Conclusion

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

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



Existing and Reserved Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
138.0	144.8	1	Andrew DB589	Platform w/ Handrails	(8) 7/8" Coax (3) 1 5/8" Coax (1) 1 1/4" Coax (1) EW90	American Messaging
	143.0	1	6' FM Antenna			Town Of Westport
	142.0	2	6' Omni			
		1	6' Dipole			
		2	8' Omni			
	141.0	1	Andrew VHLP2.5-10W			
	144.0	2	8' Omni			
134.0	1	8' Omni (inverted)				
128.0	130.0	6	Decibel DB980F650E-M	Low Profile Platform	(6) 1 5/8" Coax (3) 1 1/4" Hybriflex Cable	Sprint Nextel
		3	RFS APXVSP18-C-A20			
	128.0	3	Alcatel-Lucent 800MHz 2X50W RRH w/ Filter			
		3	Alcatel-Lucent 4x40W RRH			
120.0	120.0	12	48" x 8" Panels	Low Profile Platform	(12) 1 1/4" Coax	
110.0	110.0	2	Diamond X50A	Low Profile Platform	(12) 1 5/8" Coax (2) 0.41" LMR-400 (2) 1/2" Coax (1) 1 5/8" Hybriflex	Enertrac
		6	RFS FD9R6004/2C-3L			Verizon
		3	Alcatel-Lucent RRH2x40-AWS			
		3	Antel BXA-171063-8BF-EDIN-X			
		3	Antel BXA-171063-12CF-EDIN-X			
		1	RFS DB-T1-6Z-8AB-OZ			
		3	Antel BXA-70080/6CF			
		1	Antel BXA-70063/6CF			
		2	Powerwave P65-16-XL-2			
100.0	100.0	6	Powerwave LGP21901	Low Profile Platform	(12) 1 5/8" Coax (2) 0.74" 8 AWG 7 (1) 0.28" RG-6 (1) 3/8" Coax	AT&T Mobility
		6	Powerwave LGP21401			
		1	Raycap DC6-48-60-18-8F			
		6	Ericsson RRUS 11 (Band 12)			
		6	Powerwave 7770.00			
		3	Powerwave P65-16-XLH-RR			
87.0	87.0	3	RFS ATMAP1412D-1A20	Low Profile Platform	(12) 1 5/8" Coax (1) 1 1/4" Fiber	T-Mobile
		3	Ericsson AIR 21, 1.3M, B2A B4P			
		3	Ericsson AIR 21, 1.3M, B4A B2P			

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
No loading considered as to be removed						



Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
140.0	152.0	1	Commscope DB589-Y	Side Arm	(2) 1 1/4" Coax (1) 1/2" Coax	Connecticut Light & Power

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

Install proposed coax inside the pole shaft.

Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	92%	Pass
Shaft	99%	Pass
Base Plate	52%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	3,206.4
Shear (Kips)	31.0

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required. This foundation meets a 2.0 factor of safety for overturning per Section 3108.4.2 of the CSBC.

Deflection and Sway*

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
140.0	2.442	1.860

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



Standard Conditions

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

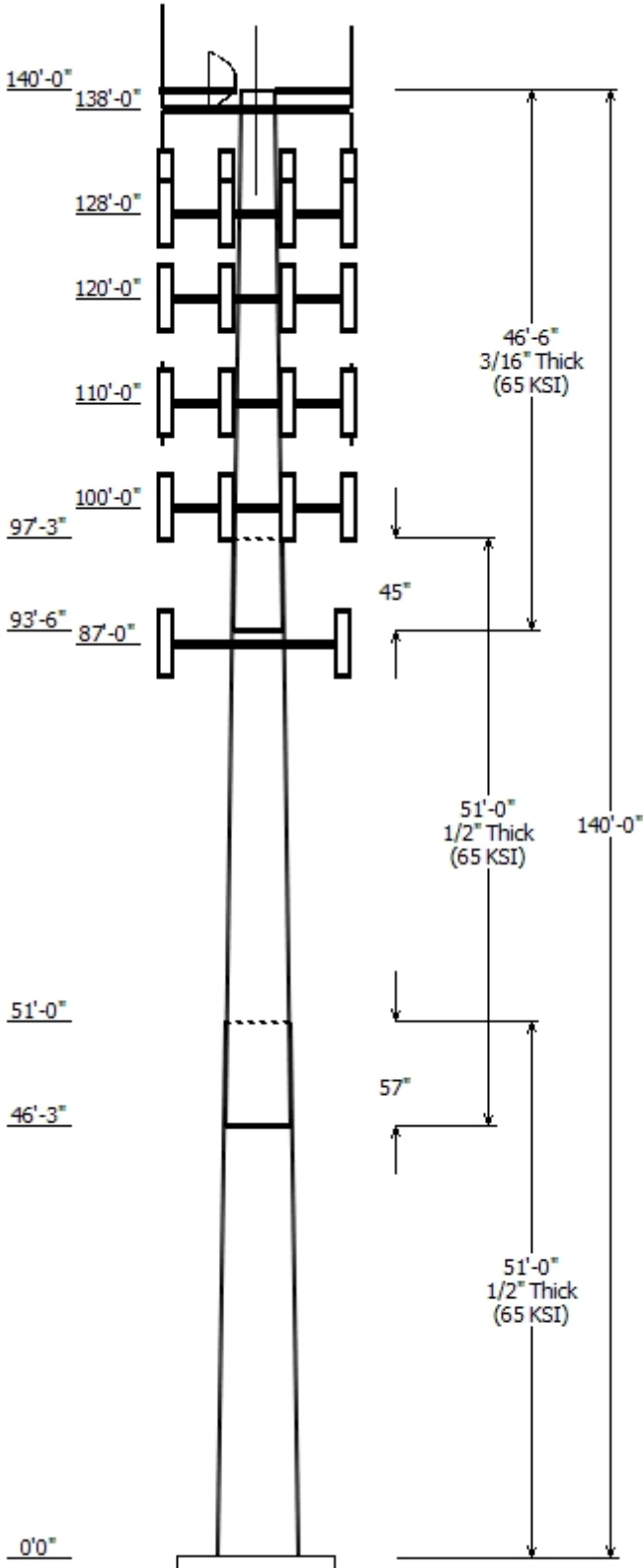
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

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

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

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

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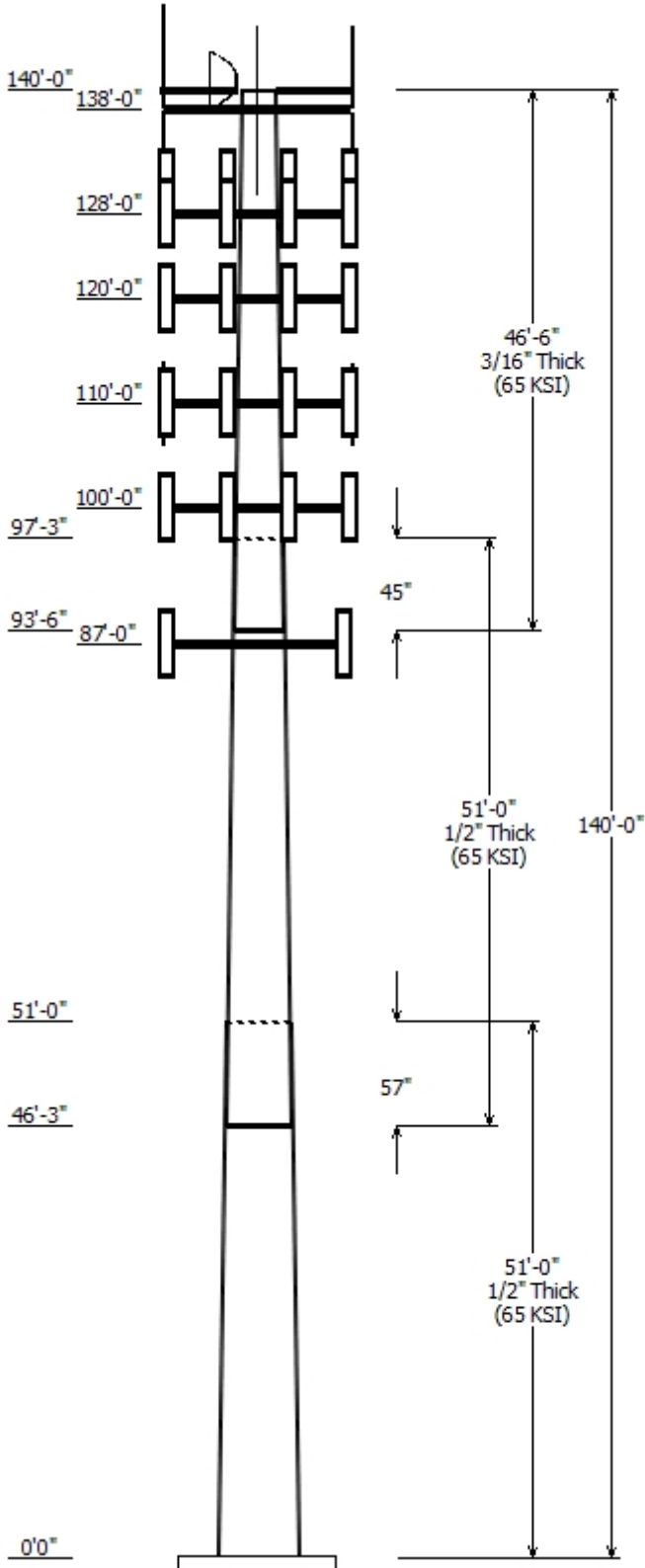


Job Information	
Pole :	310968
Code :	TIA/EIA-222 Rev F
Description :	140 ft Summit Monopole
Client :	Connecticut Light & Power Co.
Location :	WSPT-Westport Rebuild CT, CT
Shape :	18 Sides
Height :	140.00 (ft)
Base Elev (ft):	0.00
Taper:	0.20003(in/ft)

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

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
140.000	152.000	1	Commscope DB589-Y	
140.000	140.000	1	Flat Side Arm	
140.000	147.000	1	10' Pipe	
138.000	144.800	1	Andrew DB589	
138.000	134.000	1	8' Omni (inverted)	
138.000	141.000	1	Andrew VHLP2.5-10W	
138.000	138.000	1	Flat Platform w/ Handrails	
138.000	142.000	2	6' Omni	
138.000	142.000	2	8' Omni	
138.000	144.000	2	8' Omni	
138.000	143.000	1	6' FM Antenna	
138.000	142.000	1	6' Dipole	
128.000	128.000	3	Alcatel-Lucent 4x40W RRH	
128.000	128.000	3	Alcatel-Lucent 800 MHz 2X50W	
128.000	130.000	3	RFS APXVSP18-C-A20	
128.000	128.000	1	Flat Low Profile Platform	
128.000	130.000	6	Decibel DB980F650E-M	
120.000	120.000	1	Flat Low Profile Platform	
120.000	120.000	12	48" x 8" Panels	
110.000	110.000	3	Alcatel-Lucent RRH2x40-AWS	
110.000	110.000	1	RFS DB-T1-6Z-8AB-0Z	
110.000	110.000	3	Antel BXA-70080/6CF	
110.000	110.000	3	Antel BXA-171063-12CF-EDIN-X	
110.000	110.000	3	Antel BXA-171063-8BF-EDIN-X	
110.000	110.000	1	Antel BXA-70063/6CF	
110.000	110.000	6	RFS FD9R6004/2C-3L	
110.000	110.000	2	Powerwave P65-16-XL-2	
110.000	110.000	1	Round Low Profile Platform	
110.000	110.000	2	Diamond X50A	
100.000	100.000	6	Powerwave LGP21401	
100.000	100.000	6	Powerwave 7770.00	
100.000	100.000	1	Raycap DC6-48-60-18-8F	
100.000	100.000	3	Powerwave P65-16-XLH-RR	
100.000	100.000	6	Ericsson RRUS 11 (Band 12)	
100.000	100.000	6	Powerwave LGP21901	
100.000	100.000	1	Flat Low Profile Platform	
87.000	87.000	3	RFS ATMAP1412D-1A20	
87.000	87.000	3	Ericsson AIR 21, 1.3M, B2A B4P	
87.000	87.000	3	Ericsson AIR 21, 1.3M, B4A B2P	
87.000	87.000	1	Flat Low Profile Platform	

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

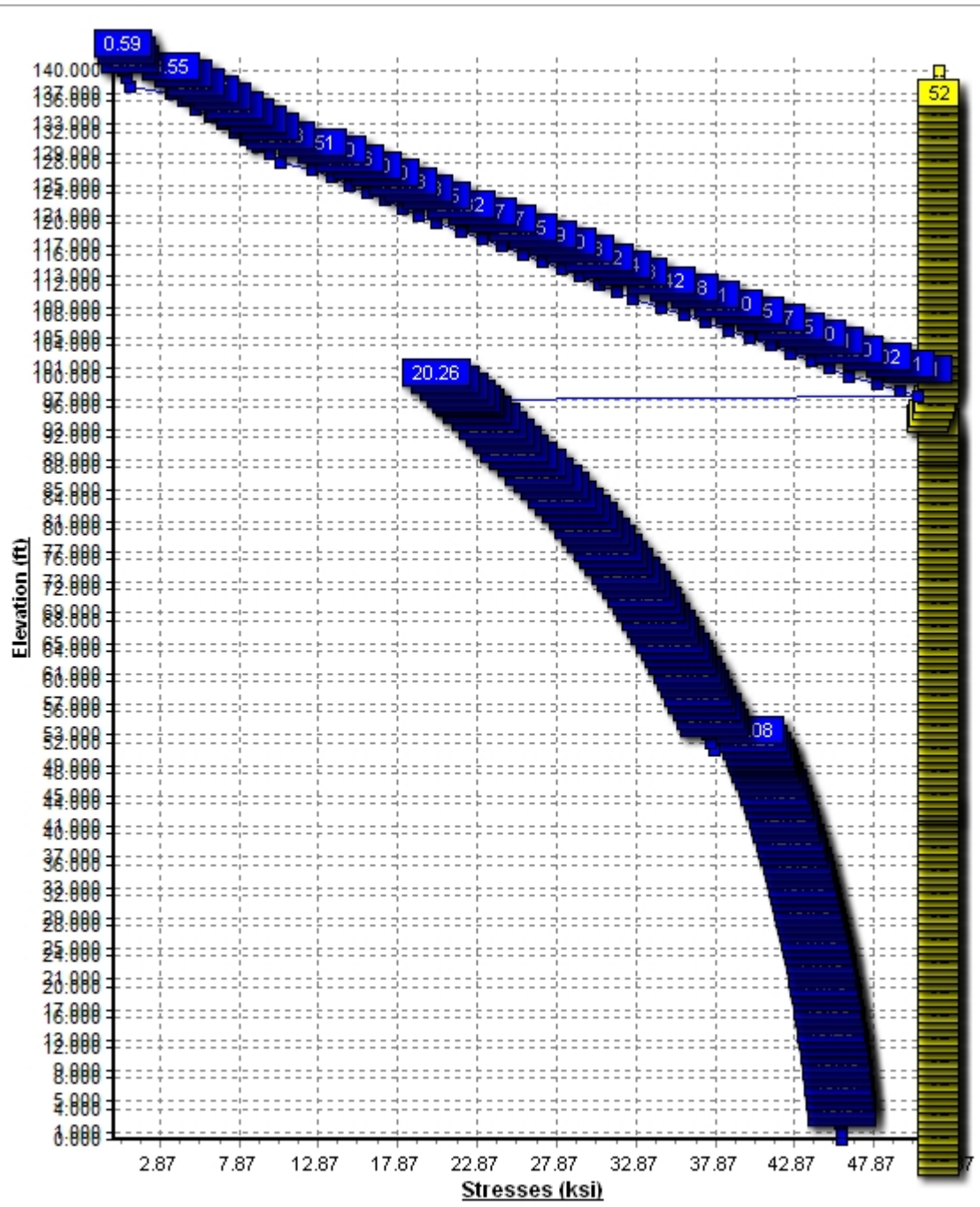


5.000	87.000	1 1/4" Fiber	No
5.000	87.000	1 5/8" Coax	No
5.000	100.0	0.28" RG-6	No
5.000	100.0	0.74" 8 AWG 7	No
5.000	100.0	1 5/8" Coax	No
5.000	100.0	3/8" Coax	No
5.000	110.0	0.41" LMR-400	No
5.000	110.0	1 5/8" Coax	No
5.000	110.0	1 5/8" Hybriflex	No
5.000	110.0	1/2" Coax	No
5.000	120.0	1 1/4" Coax	No
5.000	128.0	1 1/4" Hybriflex	No
5.000	128.0	1 5/8" Coax	No
5.000	138.0	1 1/4" Coax	No
5.000	138.0	1 5/8" Coax	No
5.000	138.0	7/8" Coax	No
5.000	138.0	7/8" Coax	No
5.000	138.0	EW90	No
5.000	140.0	1 1/4" Coax	No
5.000	140.0	1/2" Coax	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 (kip)	Axial (kip)
No Ice	3206.44	31.05	42.35
Ice	2869.67	26.87	49.57
Twist/Sway	990.65	9.58	42.36

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
Twist/Sway	138.00	28.524	1.859

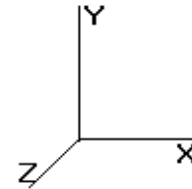


Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
 Top Dia : 20.50 (in)
 Shape : 18 Sides
 Taper : 0.200036 (in/ft)

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)	Slip		Weight (lb)	Bottom						Top							
				Joint Type	Joint Len (in)		Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	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

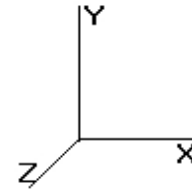
Attach Elev (ft)	Description	Qty	No Ice			Ice			Distance From Face (ft)	Vert Ecc (ft)
			Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor		
140.00	10' Pipe	1	752.00	5.000	1.00	900.00	6.750	1.00	0.000	7.000
140.00	Commscope DB589-Y	1	11.50	1.380	1.00	35.90	3.990	1.00	0.000	12.000
140.00	Flat Side Arm	1	150.00	6.300	1.00	230.00	7.000	1.00	0.000	0.000
138.00	6' Dipole	1	20.00	2.220	1.00	39.30	3.000	1.00	0.000	4.000
138.00	6' FM Antenna	1	30.00	5.950	1.00	112.70	14.770	1.00	0.000	5.000
138.00	6' Omni	2	25.00	1.760	1.00	38.24	2.130	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	6.000
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 (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	22.90	2.320	1.00	0.000	6.800
138.00	Andrew VHLP2.5-10W	1	47.60	8.430	1.00	97.00	8.920	1.00	0.000	3.000
138.00	Flat Platform w/ Handrails	1	2000.00	42.400	0.90	2,450.00	48.400	0.90	0.000	0.000
128.00	Alcatel-Lucent 4x40W RRH	3	91.00	3.290	0.50	122.40	4.230	0.50	0.000	0.000
128.00	Alcatel-Lucent 800 MHz	3	64.00	2.060	0.50	86.10	2.720	0.50	0.000	0.000
128.00	Decibel DB980F650E-M	6	9.50	3.750	0.68	29.85	4.320	0.68	0.000	2.000
128.00	Flat Low Profile Platform	1	1500.00	26.100	0.95	1,700.00	31.600	0.95	0.000	0.000
128.00	RFS APXVSP18-C-A20	3	57.00	8.020	0.69	106.50	9.080	0.69	0.000	2.000
120.00	48" x 8" Panels	12	14.00	3.610	0.67	40.30	4.080	0.67	0.000	0.000
120.00	Flat Low Profile Platform	1	1500.00	26.100	0.95	1,700.00	31.600	0.95	0.000	0.000
110.00	Alcatel-Lucent RRH2x40-AWS	3	44.00	2.160	0.50	61.40	2.870	0.50	0.000	0.000
110.00	Antel BXA-171063-12CF-EDIN-	3	15.00	4.790	0.72	42.40	5.460	0.72	0.000	0.000
110.00	Antel BXA-171063-8BF-EDIN-X	3	10.50	2.940	0.71	29.30	3.410	0.71	0.000	0.000
110.00	Antel BXA-70063/6CF	1	14.90	7.580	0.66	58.00	8.540	0.66	0.000	0.000
110.00	Antel BXA-70080/6CF	3	18.08	5.840	0.72	54.09	6.500	0.72	0.000	0.000
110.00	Diamond X50A	2	2.30	1.120	0.90	57.20	1.630	0.90	0.000	0.000
110.00	Powerwave P65-16-XL-2	2	33.00	8.130	0.65	77.53	9.230	0.65	0.000	0.000
110.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	4.800	0.50	144.50	6.080	0.50	0.000	0.000
110.00	RFS FD9R6004/2C-3L	6	2.60	0.370	0.50	5.40	0.500	0.50	0.000	0.000
110.00	Round Low Profile Platform	1	1500.00	21.700	1.00	1,700.00	27.200	1.00	0.000	0.000
100.00	Ericsson RRUS 11 (Band 12)	6	55.00	2.520	0.50	74.30	3.290	0.50	0.000	0.000
100.00	Flat Low Profile Platform	1	1500.00	26.100	0.95	1,700.00	31.600	0.95	0.000	0.000
100.00	Powerwave 7770.00	6	35.00	5.510	0.65	67.63	6.530	0.65	0.000	0.000
100.00	Powerwave LGP21401	6	14.10	1.100	0.50	21.26	1.530	0.50	0.000	0.000
100.00	Powerwave LGP21901	6	5.50	0.230	0.50	7.70	0.340	0.50	0.000	0.000
100.00	Powerwave P65-16-XLH-RR	3	53.00	8.130	0.67	100.20	9.220	0.67	0.000	0.000
100.00	Raycap DC6-48-60-18-8F	1	31.80	1.280	1.00	49.50	1.670	1.00	0.000	0.000
87.00	Ericsson AIR 21, 1.3M, B2A	3	83.00	6.050	0.71	132.60	7.200	0.71	0.000	0.000
87.00	Ericsson AIR 21, 1.3M, B4A	3	81.50	6.090	0.70	132.60	7.200	0.70	0.000	0.000
87.00	Flat Low Profile Platform	1	1500.00	26.100	0.95	1,700.00	31.600	0.95	0.000	0.000
87.00	RFS ATMAP1412D-1A20	3	13.00	1.000	0.50	20.60	1.390	0.50	0.000	0.000
Totals		108	13422.34			17,680.73			Number of Loadings : 40	

Pole : 310968
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Base Elev : 0.000 (ft)

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Linear Appurtenance Properties

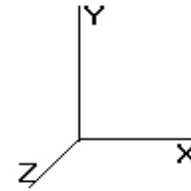
Elev From (ft)	Elev To (ft)	Description	No Ice		Ice		Exposed To Wind
			Weight (lb/ft)	CaAa (sf/ft)	Weight (lb/ft)	CaAa (sf/ft)	
5.00	140.00	(2) 1 1/4" Coax	1.26	0.00	0.00	0.00	N
5.00	140.00	(1) 1/2" Coax	0.15	0.00	0.00	0.00	N
5.00	138.00	(1) 1 1/4" Coax	0.63	0.00	0.00	0.00	N
5.00	138.00	(3) 1 5/8" Coax	2.46	0.00	0.00	0.00	N
5.00	138.00	(6) 7/8" Coax	1.98	0.00	0.00	0.00	N
5.00	138.00	(2) 7/8" Coax	0.66	0.00	0.00	0.00	N
5.00	138.00	(1) EW90	0.32	0.00	0.00	0.00	N
5.00	128.00	(3) 1 1/4" Hybriflex	3.00	0.00	0.00	0.00	N
5.00	128.00	(6) 1 5/8" Coax	4.92	0.00	0.00	0.00	N
5.00	120.00	(12) 1 1/4" Coax	7.56	0.00	0.00	0.00	N
5.00	110.00	(2) 0.41" LMR-400	0.14	0.00	0.00	0.00	N
5.00	110.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
5.00	110.00	(1) 1 5/8" Hybriflex	1.30	0.00	0.00	0.00	N
5.00	110.00	(2) 1/2" Coax	0.30	0.00	0.00	0.00	N
5.00	100.00	(1) 0.28" RG-6	0.03	0.00	0.00	0.00	N
5.00	100.00	(2) 0.74" 8 AWG7	0.98	0.00	0.00	0.00	N
5.00	100.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
5.00	100.00	(1) 3/8" Coax	0.08	0.00	0.00	0.00	N
5.00	87.00	(1) 1 1/4" Fiber	1.05	0.00	0.00	0.00	N
5.00	87.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
Total Weight			5,985.65 (lb)		0.00 (lb)		

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
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Segment Properties (Max Len : 1 ft)

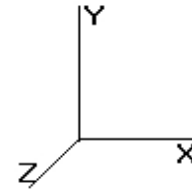
Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)
0.00		0.5000	47.130	73.999	20,328.7	14.86	94.26	65	52	0.0
1.00		0.5000	46.930	73.682	20,068.2	14.79	93.86	65	52	251.3
2.00		0.5000	46.730	73.364	19,810.0	14.72	93.46	65	52	250.2
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
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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)

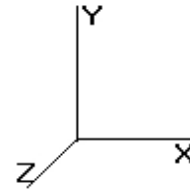
Code: TIA/EIA-222 Rev F

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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

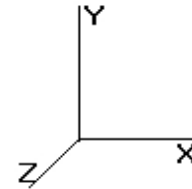
22,952.4

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

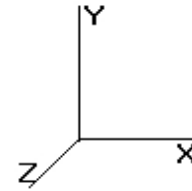
Seg Top											Ice	Wind	Dead	Tot Dead
Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Force X (lb)	Load Ice (lb)	Load (lb)	
0.00		0.00	1.00	20.736	35.04	353.47	0.650	0.000	0.00	0.000	0.00	0.0	0.0	
1.00		0.00	1.00	20.736	35.04	351.97	0.650	0.000	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		

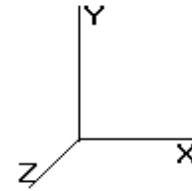
50.00		0.00	1.12	23.350	39.46	295.49	0.650	0.000	1.00	3.186	2.07	81.7	0.0	402.1
51.00	Top - Section 1	0.00	1.13	23.482	39.68	294.73	0.650	0.000	1.00	3.169	2.06	81.7	0.0	399.9
52.00		0.00	1.13	23.613	39.90	301.95	0.650	0.000	1.00	3.152	2.05	81.8	0.0	201.6
53.00		0.00	1.14	23.742	40.12	301.17	0.650	0.000	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		

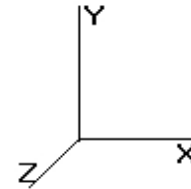
105.0		0.00	1.39	28.863	48.77	243.34	0.650	0.000	1.00	2.300	1.50	72.9	0.0	55.5
106.0		0.00	1.39	28.942	48.91	241.90	0.650	0.000	1.00	2.283	1.48	72.6	0.0	55.1
107.0		0.00	1.39	29.019	49.04	240.45	0.650	0.000	1.00	2.267	1.47	72.3	0.0	54.7
108.0		0.00	1.40	29.097	49.17	238.99	0.650	0.000	1.00	2.250	1.46	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	Appertunance(s)	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		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	Appertunance(s)	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)
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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

Discrete Appurtenance Segment Forces

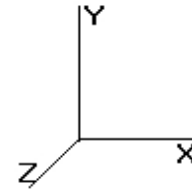
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Ericsson AIR 21, 1.3	3	27.353	46.227	0.71	12.89	0.000	0.000	595.71	0.00	0.00	249.00
87.00	RFS ATMAP1412D-	3	27.353	46.227	0.50	1.50	0.000	0.000	69.34	0.00	0.00	39.00
87.00	Flat Low Profile Pla	1	27.353	46.227	0.95	24.80	0.000	0.000	1,146.21	0.00	0.00	1,500.00
87.00	Ericsson AIR 21, 1.3	3	27.353	46.227	0.70	12.79	0.000	0.000	591.20	0.00	0.00	244.50
100.0	Flat Low Profile Pla	1	28.464	48.104	0.95	24.80	0.000	0.000	1,192.73	0.00	0.00	1,500.00
100.0	Powerwave LGP21901	6	28.464	48.104	0.50	0.69	0.000	0.000	33.19	0.00	0.00	33.00
100.0	Ericsson RRUS 11 (Ba	6	28.464	48.104	0.50	7.56	0.000	0.000	363.66	0.00	0.00	330.00
100.0	Powerwave P65-16-	3	28.464	48.104	0.67	16.34	0.000	0.000	786.08	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
100.0	Powerwave 7770.00	6	28.464	48.104	0.65	21.49	0.000	0.000	1,033.70	0.00	0.00	210.00
100.0	Powerwave LGP21401	6	28.464	48.104	0.50	3.30	0.000	0.000	158.74	0.00	0.00	84.60
110.0	Antel BXA-171063-8BF	3	29.250	49.432	0.71	6.26	0.000	0.000	309.55	0.00	0.00	31.50
110.0	Antel BXA-171063-12C	3	29.250	49.432	0.72	10.35	0.000	0.000	511.44	0.00	0.00	45.00
110.0	Antel BXA-70080/6CF	3	29.250	49.432	0.72	12.61	0.000	0.000	623.55	0.00	0.00	54.24
110.0	RFS DB-T1-6Z-8AB-0Z	1	29.250	49.432	0.50	2.40	0.000	0.000	118.64	0.00	0.00	44.00
110.0	Alcatel-Lucent RRH2x	3	29.250	49.432	0.50	3.24	0.000	0.000	160.16	0.00	0.00	132.00
110.0	RFS FD9R6004/2C-3L	6	29.250	49.432	0.50	1.11	0.000	0.000	54.87	0.00	0.00	15.60
110.0	Antel BXA-70063/6CF	1	29.250	49.432	0.66	5.00	0.000	0.000	247.30	0.00	0.00	14.90
110.0	Diamond X50A	2	29.250	49.432	0.90	2.02	0.000	0.000	99.65	0.00	0.00	4.60
110.0	Round Low Profile PI	1	29.250	49.432	1.00	21.70	0.000	0.000	1,072.66	0.00	0.00	1,500.00
110.0	Powerwave P65-16-	2	29.250	49.432	0.65	10.57	0.000	0.000	522.44	0.00	0.00	66.00
120.0	48" x 8" Panels	12	29.986	50.676	0.67	29.02	0.000	0.000	1,470.84	0.00	0.00	168.00
120.0	Flat Low Profile Pla	1	29.986	50.676	0.95	24.80	0.000	0.000	1,256.51	0.00	0.00	1,500.00
128.0	Decibel DB980F650E-	6	30.679	51.848	0.68	15.30	0.000	2.000	793.28	0.00	1,586.56	57.00
128.0	Flat Low Profile Pla	1	30.544	51.619	0.95	24.80	0.000	0.000	1,279.90	0.00	0.00	1,500.00
128.0	RFS APXVSPP18-C-	3	30.679	51.848	0.69	16.60	0.000	2.000	860.75	0.00	1,721.51	171.00
128.0	Alcatel-Lucent 800 M	3	30.544	51.619	0.50	3.09	0.000	0.000	159.50	0.00	0.00	192.00
128.0	Alcatel-Lucent 4x40W	3	30.544	51.619	0.50	4.93	0.000	0.000	254.74	0.00	0.00	273.00
138.0	6' Dipole	1	31.463	53.173	1.00	2.22	0.000	4.000	118.04	0.00	472.18	20.00
138.0	6' FM Antenna	1	31.526	53.280	1.00	5.95	0.000	5.000	317.01	0.00	1,585.07	30.00
138.0	8' Omni	2	31.589	53.386	1.00	4.80	0.000	6.000	256.25	0.00	1,537.51	80.00
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	6' Omni	2	31.463	53.173	1.00	3.52	0.000	4.000	187.17	0.00	748.67	50.00
138.0	Flat Platform w/ Han	1	31.207	52.741	0.90	38.16	0.000	0.000	2,012.57	0.00	0.00	2,000.00
138.0	Andrew VHLP2.5-10W	1	31.400	53.066	1.00	8.43	0.000	3.000	447.34	0.00	1,342.03	47.60
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	31.639	53.470	1.00	1.38	0.000	6.800	73.79	0.00	501.77	11.50
140.0	10' Pipe	1	31.776	53.701	1.00	5.00	0.000	7.000	268.51	0.00	1,879.54	752.00
140.0	Flat Side Arm	1	31.336	52.958	1.00	6.30	0.000	0.000	333.63	0.00	0.00	150.00
140.0	Commscope DB589-Y	1	32.081	54.217	1.00	1.38	0.000	12.000	74.82	0.00	897.83	11.50
									20,297.82			13,422.34

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

Applied Segment Forces Summary

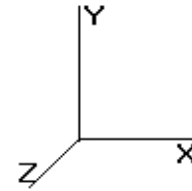
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	89.27	251.26	0.00	0.00
2.00	88.89	250.18	0.00	0.00
3.00	88.51	249.10	0.00	0.00
4.00	88.13	248.02	0.00	0.00
5.00	87.75	246.94	0.00	0.00
6.00	87.37	302.20	0.00	0.00
7.00	86.99	301.12	0.00	0.00
8.00	86.61	300.04	0.00	0.00
9.00	86.24	298.96	0.00	0.00
10.00	85.86	297.88	0.00	0.00
11.00	85.48	296.80	0.00	0.00
12.00	85.10	295.72	0.00	0.00
13.00	84.72	294.64	0.00	0.00
14.00	84.34	293.56	0.00	0.00
15.00	83.96	292.48	0.00	0.00
16.00	83.58	291.40	0.00	0.00
17.00	83.20	290.32	0.00	0.00
18.00	82.82	289.24	0.00	0.00
19.00	82.44	288.16	0.00	0.00
20.00	82.06	287.08	0.00	0.00
21.00	81.68	286.00	0.00	0.00
22.00	81.30	284.92	0.00	0.00
23.00	80.92	283.84	0.00	0.00
24.00	80.54	282.76	0.00	0.00
25.00	80.16	281.68	0.00	0.00
26.00	79.78	280.60	0.00	0.00
27.00	79.40	279.52	0.00	0.00
28.00	79.02	278.44	0.00	0.00
29.00	78.64	277.36	0.00	0.00
30.00	78.26	276.28	0.00	0.00
31.00	77.88	275.20	0.00	0.00
32.00	77.50	274.12	0.00	0.00
33.00	77.12	273.03	0.00	0.00
34.00	77.40	271.95	0.00	0.00
35.00	77.66	270.87	0.00	0.00
36.00	77.90	269.79	0.00	0.00
37.00	78.12	268.71	0.00	0.00
38.00	78.32	267.63	0.00	0.00
39.00	78.50	266.55	0.00	0.00
40.00	78.67	265.47	0.00	0.00
41.00	78.82	264.39	0.00	0.00
42.00	78.96	263.31	0.00	0.00
43.00	79.09	262.23	0.00	0.00
44.00	79.19	261.15	0.00	0.00
45.00	79.29	260.07	0.00	0.00
46.00	79.37	258.99	0.00	0.00
46.25	19.81	64.58	0.00	0.00
47.00	61.12	348.46	0.00	0.00
48.00	81.61	462.73	0.00	0.00

Pole : 310968
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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

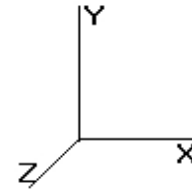
49.00	81.67	460.56	0.00	0.00
50.00	81.71	458.40	0.00	0.00
51.00	81.75	456.24	0.00	0.00
52.00	81.77	257.91	0.00	0.00
53.00	81.78	256.83	0.00	0.00
54.00	81.78	255.75	0.00	0.00
55.00	81.77	254.67	0.00	0.00
56.00	81.75	253.59	0.00	0.00
57.00	81.72	252.51	0.00	0.00
58.00	81.68	251.43	0.00	0.00
59.00	81.63	250.35	0.00	0.00
60.00	81.58	249.27	0.00	0.00
61.00	81.51	248.19	0.00	0.00
62.00	81.44	247.11	0.00	0.00
63.00	81.35	246.03	0.00	0.00
64.00	81.26	244.95	0.00	0.00
65.00	81.16	243.87	0.00	0.00
66.00	81.05	242.79	0.00	0.00
67.00	80.94	241.71	0.00	0.00
68.00	80.81	240.63	0.00	0.00
69.00	80.68	239.55	0.00	0.00
70.00	80.54	238.47	0.00	0.00
71.00	80.40	237.39	0.00	0.00
72.00	80.25	236.31	0.00	0.00
73.00	80.09	235.23	0.00	0.00
74.00	79.92	234.15	0.00	0.00
75.00	79.75	233.07	0.00	0.00
76.00	79.57	231.99	0.00	0.00
77.00	79.38	230.91	0.00	0.00
78.00	79.19	229.83	0.00	0.00
79.00	78.99	228.75	0.00	0.00
80.00	78.79	227.67	0.00	0.00
81.00	78.57	226.59	0.00	0.00
82.00	78.36	225.51	0.00	0.00
83.00	78.14	224.43	0.00	0.00
84.00	77.91	223.34	0.00	0.00
85.00	77.67	222.26	0.00	0.00
86.00	77.43	221.18	0.00	0.00
87.00	2,479.65	2,252.60	0.00	0.00
88.00	76.94	208.13	0.00	0.00
89.00	76.68	207.05	0.00	0.00
90.00	76.42	205.97	0.00	0.00
91.00	76.16	204.89	0.00	0.00
92.00	75.89	203.81	0.00	0.00
93.00	75.61	202.73	0.00	0.00
93.50	37.67	100.96	0.00	0.00
94.00	38.08	130.63	0.00	0.00
95.00	76.01	260.14	0.00	0.00
96.00	75.72	258.65	0.00	0.00
97.00	75.43	257.17	0.00	0.00
97.25	18.79	64.06	0.00	0.00
98.00	56.30	77.81	0.00	0.00
99.00	74.83	103.39	0.00	0.00
100.0	3,704.21	2,451.39	0.00	0.00
101.0	74.21	91.65	0.00	0.00
102.0	73.90	91.25	0.00	0.00
103.0	73.58	90.84	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

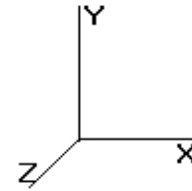
104.0	73.26	90.44	0.00	0.00
105.0	72.93	90.03	0.00	0.00
106.0	72.60	89.63	0.00	0.00
107.0	72.26	89.22	0.00	0.00
108.0	71.92	88.82	0.00	0.00
109.0	71.57	88.41	0.00	0.00
110.0	3,791.49	1,995.85	0.00	0.00
111.0	70.87	76.02	0.00	0.00
112.0	70.52	75.62	0.00	0.00
113.0	70.16	75.21	0.00	0.00
114.0	69.79	74.81	0.00	0.00
115.0	69.42	74.40	0.00	0.00
116.0	69.05	74.00	0.00	0.00
117.0	68.68	73.59	0.00	0.00
118.0	68.30	73.19	0.00	0.00
119.0	67.91	72.78	0.00	0.00
120.0	2,794.88	1,740.38	0.00	0.00
121.0	67.14	64.41	0.00	0.00
122.0	66.74	64.01	0.00	0.00
123.0	66.35	63.60	0.00	0.00
124.0	65.95	63.20	0.00	0.00
125.0	65.54	62.79	0.00	0.00
126.0	65.13	62.39	0.00	0.00
127.0	64.72	61.98	0.00	0.00
128.0	3,412.48	2,254.58	0.00	3,308.07
129.0	63.89	53.25	0.00	0.00
130.0	63.47	52.85	0.00	0.00
131.0	63.05	52.44	0.00	0.00
132.0	62.62	52.04	0.00	0.00
133.0	62.19	51.63	0.00	0.00
134.0	61.76	51.23	0.00	0.00
135.0	61.32	50.82	0.00	0.00
136.0	60.88	50.42	0.00	0.00
137.0	60.44	50.01	0.00	0.00
138.0	3,852.92	2,408.71	0.00	6,706.07
139.0	59.54	43.15	0.00	0.00
140.0	736.05	956.25	0.00	2,777.37
Totals:	31,028.95	42,360.37	0.00	12,791.51

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (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		

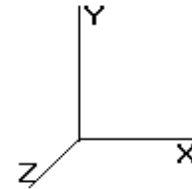
Calculated Shaft Forces and Deflections

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	-31.045	-42.347	0.000	0.000	0.000	-3,206.443	0.000	0.000	0.000	0.000
1.00	-30.989	-42.072	0.000	0.000	0.000	-3,175.398	-0.005	0.000	0.005	-0.045
2.00	-30.932	-41.798	0.000	0.000	0.000	-3,144.410	-0.019	0.000	0.019	-0.089
3.00	-30.876	-41.524	0.000	0.000	0.000	-3,113.478	-0.043	0.000	0.043	-0.134
4.00	-30.820	-41.252	0.000	0.000	0.000	-3,082.603	-0.076	0.000	0.076	-0.179
5.00	-30.763	-40.981	0.000	0.000	0.000	-3,051.784	-0.119	0.000	0.119	-0.225
6.00	-30.707	-40.655	0.000	0.000	0.000	-3,021.021	-0.171	0.000	0.171	-0.270
7.00	-30.650	-40.330	0.000	0.000	0.000	-2,990.315	-0.233	0.000	0.233	-0.316
8.00	-30.594	-40.006	0.000	0.000	0.000	-2,959.665	-0.304	0.000	0.304	-0.361
9.00	-30.537	-39.684	0.000	0.000	0.000	-2,929.072	-0.385	0.000	0.385	-0.407
10.00	-30.481	-39.362	0.000	0.000	0.000	-2,898.535	-0.475	0.000	0.475	-0.453
11.00	-30.424	-39.041	0.000	0.000	0.000	-2,868.054	-0.575	0.000	0.575	-0.499
12.00	-30.368	-38.722	0.000	0.000	0.000	-2,837.631	-0.685	0.000	0.685	-0.545
13.00	-30.311	-38.404	0.000	0.000	0.000	-2,807.263	-0.804	0.000	0.804	-0.591
14.00	-30.255	-38.087	0.000	0.000	0.000	-2,776.952	-0.933	0.000	0.933	-0.638
15.00	-30.198	-37.771	0.000	0.000	0.000	-2,746.698	-1.072	0.000	1.072	-0.684
16.00	-30.142	-37.456	0.000	0.000	0.000	-2,716.501	-1.221	0.000	1.221	-0.731
17.00	-30.085	-37.142	0.000	0.000	0.000	-2,686.360	-1.379	0.000	1.379	-0.778
18.00	-30.028	-36.829	0.000	0.000	0.000	-2,656.276	-1.547	0.000	1.547	-0.825
19.00	-29.972	-36.518	0.000	0.000	0.000	-2,626.248	-1.725	0.000	1.725	-0.872
20.00	-29.915	-36.207	0.000	0.000	0.000	-2,596.277	-1.913	0.000	1.913	-0.919
21.00	-29.858	-35.898	0.000	0.000	0.000	-2,566.363	-2.111	0.000	2.111	-0.966
22.00	-29.801	-35.590	0.000	0.000	0.000	-2,536.505	-2.319	0.000	2.319	-1.013
23.00	-29.745	-35.283	0.000	0.000	0.000	-2,506.704	-2.536	0.000	2.536	-1.061
24.00	-29.688	-34.977	0.000	0.000	0.000	-2,476.960	-2.764	0.000	2.764	-1.109
25.00	-29.631	-34.672	0.000	0.000	0.000	-2,447.272	-3.001	0.000	3.001	-1.156
26.00	-29.574	-34.369	0.000	0.000	0.000	-2,417.642	-3.249	0.000	3.249	-1.204
27.00	-29.518	-34.066	0.000	0.000	0.000	-2,388.068	-3.506	0.000	3.506	-1.252
28.00	-29.461	-33.765	0.000	0.000	0.000	-2,358.551	-3.774	0.000	3.774	-1.300
29.00	-29.404	-33.465	0.000	0.000	0.000	-2,329.091	-4.052	0.000	4.052	-1.348
30.00	-29.347	-33.166	0.000	0.000	0.000	-2,299.688	-4.340	0.000	4.340	-1.397
31.00	-29.290	-32.868	0.000	0.000	0.000	-2,270.341	-4.638	0.000	4.638	-1.445
32.00	-29.233	-32.571	0.000	0.000	0.000	-2,241.052	-4.946	0.000	4.946	-1.493
33.00	-29.176	-32.275	0.000	0.000	0.000	-2,211.819	-5.264	0.000	5.264	-1.542
34.00	-29.119	-31.981	0.000	0.000	0.000	-2,182.644	-5.592	0.000	5.592	-1.591
35.00	-29.060	-31.688	0.000	0.000	0.000	-2,153.526	-5.931	0.000	5.931	-1.639
36.00	-29.001	-31.395	0.000	0.000	0.000	-2,124.466	-6.279	0.000	6.279	-1.688
37.00	-28.942	-31.104	0.000	0.000	0.000	-2,095.465	-6.638	0.000	6.638	-1.737
38.00	-28.882	-30.815	0.000	0.000	0.000	-2,066.524	-7.008	0.000	7.008	-1.786
39.00	-28.821	-30.526	0.000	0.000	0.000	-2,037.643	-7.387	0.000	7.387	-1.835
40.00	-28.759	-30.239	0.000	0.000	0.000	-2,008.823	-7.777	0.000	7.777	-1.884
41.00	-28.698	-29.953	0.000	0.000	0.000	-1,980.064	-8.177	0.000	8.177	-1.933
42.00	-28.635	-29.668	0.000	0.000	0.000	-1,951.367	-8.587	0.000	8.587	-1.982
43.00	-28.572	-29.384	0.000	0.000	0.000	-1,922.733	-9.008	0.000	9.008	-2.031
44.00	-28.509	-29.101	0.000	0.000	0.000	-1,894.161	-9.439	0.000	9.439	-2.080
45.00	-28.445	-28.820	0.000	0.000	0.000	-1,865.653	-9.880	0.000	9.880	-2.130
46.00	-28.371	-28.549	0.000	0.000	0.000	-1,837.209	-10.331	0.000	10.331	-2.179
46.25	-28.361	-28.472	0.000	0.000	0.000	-1,830.116	-10.446	0.000	10.446	-2.191
47.00	-28.308	-28.105	0.000	0.000	0.000	-1,808.846	-10.793	0.000	10.793	-2.229
48.00	-28.232	-27.622	0.000	0.000	0.000	-1,780.539	-11.265	0.000	11.265	-2.278
49.00	-28.155	-27.141	0.000	0.000	0.000	-1,752.307	-11.748	0.000	11.748	-2.327

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
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Load Case: No Ice 90.00 mph Wind with No Ice 30 Iterations

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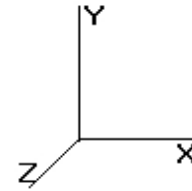
50.00	-28.078	-26.662	0.000	0.000	0.000	-1,724.153	-12.241	0.000	12.241	-2.377
51.00	-27.999	-26.185	0.000	0.000	0.000	-1,696.076	-12.744	0.000	12.744	-2.426
52.00	-27.928	-25.908	0.000	0.000	0.000	-1,668.077	-13.257	0.000	13.257	-2.475
53.00	-27.856	-25.633	0.000	0.000	0.000	-1,640.149	-13.781	0.000	13.781	-2.521
54.00	-27.783	-25.359	0.000	0.000	0.000	-1,612.294	-14.314	0.000	14.314	-2.566
55.00	-27.709	-25.086	0.000	0.000	0.000	-1,584.512	-14.856	0.000	14.856	-2.612
56.00	-27.636	-24.815	0.000	0.000	0.000	-1,556.803	-15.408	0.000	15.408	-2.657
57.00	-27.562	-24.545	0.000	0.000	0.000	-1,529.168	-15.970	0.000	15.970	-2.702
58.00	-27.487	-24.276	0.000	0.000	0.000	-1,501.607	-16.541	0.000	16.541	-2.748
59.00	-27.412	-24.008	0.000	0.000	0.000	-1,474.120	-17.121	0.000	17.121	-2.793
60.00	-27.337	-23.742	0.000	0.000	0.000	-1,446.708	-17.711	0.000	17.711	-2.838
61.00	-27.262	-23.477	0.000	0.000	0.000	-1,419.372	-18.310	0.000	18.310	-2.883
62.00	-27.186	-23.213	0.000	0.000	0.000	-1,392.110	-18.919	0.000	18.919	-2.928
63.00	-27.110	-22.950	0.000	0.000	0.000	-1,364.924	-19.537	0.000	19.537	-2.972
64.00	-27.034	-22.689	0.000	0.000	0.000	-1,337.814	-20.164	0.000	20.164	-3.017
65.00	-26.957	-22.428	0.000	0.000	0.000	-1,310.781	-20.801	0.000	20.801	-3.061
66.00	-26.881	-22.170	0.000	0.000	0.000	-1,283.824	-21.447	0.000	21.447	-3.106
67.00	-26.803	-21.912	0.000	0.000	0.000	-1,256.944	-22.102	0.000	22.102	-3.150
68.00	-26.726	-21.656	0.000	0.000	0.000	-1,230.141	-22.766	0.000	22.766	-3.194
69.00	-26.648	-21.401	0.000	0.000	0.000	-1,203.415	-23.440	0.000	23.440	-3.238
70.00	-26.570	-21.147	0.000	0.000	0.000	-1,176.767	-24.122	0.000	24.122	-3.281
71.00	-26.492	-20.895	0.000	0.000	0.000	-1,150.197	-24.814	0.000	24.814	-3.325
72.00	-26.414	-20.644	0.000	0.000	0.000	-1,123.706	-25.515	0.000	25.515	-3.368
73.00	-26.335	-20.394	0.000	0.000	0.000	-1,097.292	-26.225	0.000	26.225	-3.411
74.00	-26.257	-20.146	0.000	0.000	0.000	-1,070.957	-26.944	0.000	26.944	-3.454
75.00	-26.177	-19.898	0.000	0.000	0.000	-1,044.701	-27.672	0.000	27.672	-3.496
76.00	-26.098	-19.653	0.000	0.000	0.000	-1,018.524	-28.408	0.000	28.408	-3.538
77.00	-26.019	-19.408	0.000	0.000	0.000	-992.426	-29.154	0.000	29.154	-3.580
78.00	-25.939	-19.165	0.000	0.000	0.000	-966.408	-29.908	0.000	29.908	-3.622
79.00	-25.859	-18.923	0.000	0.000	0.000	-940.469	-30.671	0.000	30.671	-3.663
80.00	-25.779	-18.683	0.000	0.000	0.000	-914.610	-31.442	0.000	31.442	-3.704
81.00	-25.699	-18.444	0.000	0.000	0.000	-888.831	-32.222	0.000	32.222	-3.744
82.00	-25.619	-18.206	0.000	0.000	0.000	-863.132	-33.010	0.000	33.010	-3.784
83.00	-25.538	-17.970	0.000	0.000	0.000	-837.514	-33.807	0.000	33.807	-3.824
84.00	-25.458	-17.735	0.000	0.000	0.000	-811.976	-34.611	0.000	34.611	-3.863
85.00	-25.377	-17.501	0.000	0.000	0.000	-786.518	-35.424	0.000	35.424	-3.902
86.00	-25.296	-17.269	0.000	0.000	0.000	-761.141	-36.245	0.000	36.245	-3.940
87.00	-22.677	-15.179	0.000	0.000	0.000	-735.846	-37.074	0.000	37.074	-3.978
88.00	-22.595	-14.962	0.000	0.000	0.000	-713.169	-37.911	0.000	37.911	-4.015
89.00	-22.513	-14.746	0.000	0.000	0.000	-690.575	-38.755	0.000	38.755	-4.052
90.00	-22.432	-14.532	0.000	0.000	0.000	-668.062	-39.607	0.000	39.607	-4.088
91.00	-22.350	-14.319	0.000	0.000	0.000	-645.630	-40.467	0.000	40.467	-4.124
92.00	-22.268	-14.108	0.000	0.000	0.000	-623.280	-41.334	0.000	41.334	-4.159
93.00	-22.184	-13.901	0.000	0.000	0.000	-601.012	-42.208	0.000	42.208	-4.194
93.50	-22.144	-13.797	0.000	0.000	0.000	-589.920	-42.648	0.000	42.648	-4.211
94.00	-22.102	-13.659	0.000	0.000	0.000	-578.849	-43.090	0.000	43.090	-4.228
95.00	-22.015	-13.393	0.000	0.000	0.000	-556.747	-43.979	0.000	43.979	-4.262
96.00	-21.927	-13.128	0.000	0.000	0.000	-534.732	-44.874	0.000	44.874	-4.295
97.00	-21.837	-12.869	0.000	0.000	0.000	-512.805	-45.777	0.000	45.777	-4.327
97.25	-21.817	-12.801	0.000	0.000	0.000	-507.346	-46.003	0.000	46.003	-4.335
98.00	-21.767	-12.707	0.000	0.000	0.000	-490.983	-46.686	0.000	46.686	-4.359
99.00	-21.701	-12.581	0.000	0.000	0.000	-469.216	-47.607	0.000	47.607	-4.436
100.0	-17.830	-10.404	0.000	0.000	0.000	-447.515	-48.544	0.000	48.544	-4.511
101.0	-17.762	-10.296	0.000	0.000	0.000	-429.685	-49.496	0.000	49.496	-4.584
102.0	-17.694	-10.189	0.000	0.000	0.000	-411.924	-50.464	0.000	50.464	-4.655
103.0	-17.625	-10.083	0.000	0.000	0.000	-394.230	-51.446	0.000	51.446	-4.726
104.0	-17.557	-9.978	0.000	0.000	0.000	-376.605	-52.443	0.000	52.443	-4.794

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

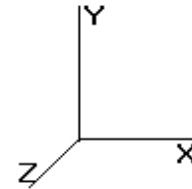
105.0	-17.488	-9.875	0.000	0.000	0.000	-359.049	-53.453	0.000	53.453	-4.861
106.0	-17.419	-9.772	0.000	0.000	0.000	-341.562	-54.478	0.000	54.478	-4.926
107.0	-17.350	-9.671	0.000	0.000	0.000	-324.143	-55.516	0.000	55.516	-4.989
108.0	-17.280	-9.570	0.000	0.000	0.000	-306.794	-56.567	0.000	56.567	-5.050
109.0	-17.211	-9.471	0.000	0.000	0.000	-289.514	-57.630	0.000	57.630	-5.110
110.0	-13.263	-7.810	0.000	0.000	0.000	-272.304	-58.706	0.000	58.706	-5.167
111.0	-13.193	-7.729	0.000	0.000	0.000	-259.041	-59.793	0.000	59.793	-5.222
112.0	-13.123	-7.648	0.000	0.000	0.000	-245.848	-60.891	0.000	60.891	-5.275
113.0	-13.053	-7.568	0.000	0.000	0.000	-232.726	-62.001	0.000	62.001	-5.327
114.0	-12.983	-7.488	0.000	0.000	0.000	-219.673	-63.121	0.000	63.121	-5.378
115.0	-12.913	-7.410	0.000	0.000	0.000	-206.690	-64.251	0.000	64.251	-5.426
116.0	-12.843	-7.333	0.000	0.000	0.000	-193.777	-65.392	0.000	65.392	-5.473
117.0	-12.773	-7.256	0.000	0.000	0.000	-180.935	-66.542	0.000	66.542	-5.518
118.0	-12.703	-7.181	0.000	0.000	0.000	-168.162	-67.701	0.000	67.701	-5.561
119.0	-12.634	-7.106	0.000	0.000	0.000	-155.458	-68.869	0.000	68.869	-5.601
120.0	-9.685	-5.642	0.000	0.000	0.000	-142.825	-70.045	0.000	70.045	-5.639
121.0	-9.616	-5.579	0.000	0.000	0.000	-133.140	-71.228	0.000	71.228	-5.676
122.0	-9.546	-5.516	0.000	0.000	0.000	-123.524	-72.419	0.000	72.419	-5.710
123.0	-9.477	-5.454	0.000	0.000	0.000	-113.978	-73.617	0.000	73.617	-5.743
124.0	-9.408	-5.393	0.000	0.000	0.000	-104.501	-74.822	0.000	74.822	-5.774
125.0	-9.339	-5.332	0.000	0.000	0.000	-95.094	-76.033	0.000	76.033	-5.803
126.0	-9.270	-5.273	0.000	0.000	0.000	-85.755	-77.249	0.000	77.249	-5.830
127.0	-9.202	-5.214	0.000	0.000	0.000	-76.485	-78.472	0.000	78.472	-5.855
128.0	-5.578	-3.318	0.000	0.000	0.000	-63.975	-79.699	0.000	79.699	-5.878
129.0	-5.510	-3.270	0.000	0.000	0.000	-58.398	-80.930	0.000	80.930	-5.897
130.0	-5.442	-3.222	0.000	0.000	0.000	-52.888	-82.165	0.000	82.165	-5.916
131.0	-5.375	-3.175	0.000	0.000	0.000	-47.446	-83.404	0.000	83.404	-5.933
132.0	-5.308	-3.128	0.000	0.000	0.000	-42.071	-84.647	0.000	84.647	-5.949
133.0	-5.242	-3.082	0.000	0.000	0.000	-36.763	-85.892	0.000	85.892	-5.963
134.0	-5.176	-3.036	0.000	0.000	0.000	-31.521	-87.140	0.000	87.140	-5.975
135.0	-5.110	-2.991	0.000	0.000	0.000	-26.345	-88.391	0.000	88.391	-5.986
136.0	-5.045	-2.947	0.000	0.000	0.000	-21.235	-89.644	0.000	89.644	-5.996
137.0	-4.980	-2.903	0.000	0.000	0.000	-16.191	-90.899	0.000	90.899	-6.003
138.0	-0.896	-0.911	0.000	0.000	0.000	-4.505	-92.155	0.000	92.155	-6.009
139.0	-0.832	-0.874	0.000	0.000	0.000	-3.609	-93.411	0.000	93.411	-6.011
140.0	-0.736	0.000	0.000	0.000	0.000	-2.777	-94.668	0.000	94.668	-6.012

Pole : 310968
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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

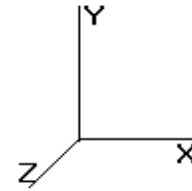
Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.57	0.85	0.00	0.00	0.00	45.29	45.89	52.0	0.0	0.883
1.00	0.57	0.85	0.00	0.00	0.00	45.24	45.84	52.0	0.0	0.882
2.00	0.57	0.85	0.00	0.00	0.00	45.19	45.78	52.0	0.0	0.881
3.00	0.57	0.85	0.00	0.00	0.00	45.14	45.73	52.0	0.0	0.880
4.00	0.57	0.85	0.00	0.00	0.00	45.08	45.67	52.0	0.0	0.879
5.00	0.57	0.86	0.00	0.00	0.00	45.03	45.62	52.0	0.0	0.878
6.00	0.56	0.86	0.00	0.00	0.00	44.97	45.56	52.0	0.0	0.876
7.00	0.56	0.86	0.00	0.00	0.00	44.91	45.49	52.0	0.0	0.875
8.00	0.56	0.86	0.00	0.00	0.00	44.85	45.43	52.0	0.0	0.874
9.00	0.56	0.87	0.00	0.00	0.00	44.78	45.36	52.0	0.0	0.873
10.00	0.56	0.87	0.00	0.00	0.00	44.72	45.30	52.0	0.0	0.871
11.00	0.55	0.87	0.00	0.00	0.00	44.65	45.23	52.0	0.0	0.870
12.00	0.55	0.87	0.00	0.00	0.00	44.58	45.15	52.0	0.0	0.869
13.00	0.55	0.87	0.00	0.00	0.00	44.50	45.08	52.0	0.0	0.867
14.00	0.55	0.88	0.00	0.00	0.00	44.43	45.00	52.0	0.0	0.866
15.00	0.55	0.88	0.00	0.00	0.00	44.35	44.92	52.0	0.0	0.864
16.00	0.54	0.88	0.00	0.00	0.00	44.27	44.84	52.0	0.0	0.863
17.00	0.54	0.88	0.00	0.00	0.00	44.19	44.75	52.0	0.0	0.861
18.00	0.54	0.89	0.00	0.00	0.00	44.10	44.67	52.0	0.0	0.859
19.00	0.54	0.89	0.00	0.00	0.00	44.01	44.58	52.0	0.0	0.858
20.00	0.54	0.89	0.00	0.00	0.00	43.92	44.48	52.0	0.0	0.856
21.00	0.53	0.89	0.00	0.00	0.00	43.83	44.39	52.0	0.0	0.854
22.00	0.53	0.90	0.00	0.00	0.00	43.73	44.29	52.0	0.0	0.852
23.00	0.53	0.90	0.00	0.00	0.00	43.63	44.19	52.0	0.0	0.850
24.00	0.53	0.90	0.00	0.00	0.00	43.53	44.09	52.0	0.0	0.848
25.00	0.52	0.90	0.00	0.00	0.00	43.43	43.98	52.0	0.0	0.846
26.00	0.52	0.91	0.00	0.00	0.00	43.32	43.87	52.0	0.0	0.844
27.00	0.52	0.91	0.00	0.00	0.00	43.21	43.76	52.0	0.0	0.842
28.00	0.52	0.91	0.00	0.00	0.00	43.09	43.64	52.0	0.0	0.840
29.00	0.52	0.91	0.00	0.00	0.00	42.98	43.52	52.0	0.0	0.837
30.00	0.51	0.92	0.00	0.00	0.00	42.85	43.40	52.0	0.0	0.835
31.00	0.51	0.92	0.00	0.00	0.00	42.73	43.27	52.0	0.0	0.832
32.00	0.51	0.92	0.00	0.00	0.00	42.60	43.14	52.0	0.0	0.830
33.00	0.51	0.93	0.00	0.00	0.00	42.47	43.01	52.0	0.0	0.827
34.00	0.51	0.93	0.00	0.00	0.00	42.33	42.87	52.0	0.0	0.825
35.00	0.50	0.93	0.00	0.00	0.00	42.19	42.73	52.0	0.0	0.822
36.00	0.50	0.93	0.00	0.00	0.00	42.05	42.58	52.0	0.0	0.819
37.00	0.50	0.94	0.00	0.00	0.00	41.90	42.44	52.0	0.0	0.816
38.00	0.50	0.94	0.00	0.00	0.00	41.75	42.28	52.0	0.0	0.813
39.00	0.50	0.94	0.00	0.00	0.00	41.60	42.12	52.0	0.0	0.810
40.00	0.49	0.95	0.00	0.00	0.00	41.44	41.96	52.0	0.0	0.807
41.00	0.49	0.95	0.00	0.00	0.00	41.27	41.80	52.0	0.0	0.804
42.00	0.49	0.95	0.00	0.00	0.00	41.10	41.63	52.0	0.0	0.801
43.00	0.49	0.95	0.00	0.00	0.00	40.93	41.45	52.0	0.0	0.797
44.00	0.48	0.96	0.00	0.00	0.00	40.75	41.27	52.0	0.0	0.794
45.00	0.48	0.96	0.00	0.00	0.00	40.57	41.09	52.0	0.0	0.790
46.00	0.48	0.96	0.00	0.00	0.00	40.38	40.90	52.0	0.0	0.787
46.25	0.48	0.96	0.00	0.00	0.00	40.34	40.85	52.0	0.0	0.786
47.00	0.48	0.97	0.00	0.00	0.00	40.19	40.70	52.0	0.0	0.783
48.00	0.47	0.97	0.00	0.00	0.00	39.99	40.50	52.0	0.0	0.779
49.00	0.46	0.97	0.00	0.00	0.00	39.79	40.29	52.0	0.0	0.775

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (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		

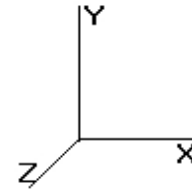
50.00	0.46	0.97	0.00	0.00	0.00	39.58	40.08	52.0	0.0	0.771
51.00	0.44	0.95	0.00	0.00	0.00	37.28	37.76	52.0	0.0	0.726
52.00	0.44	0.95	0.00	0.00	0.00	37.06	37.54	52.0	0.0	0.722
53.00	0.44	0.96	0.00	0.00	0.00	36.84	37.31	52.0	0.0	0.718
54.00	0.43	0.96	0.00	0.00	0.00	36.61	37.08	52.0	0.0	0.713
55.00	0.43	0.96	0.00	0.00	0.00	36.38	36.85	52.0	0.0	0.709
56.00	0.43	0.96	0.00	0.00	0.00	36.14	36.61	52.0	0.0	0.704
57.00	0.43	0.97	0.00	0.00	0.00	35.89	36.36	52.0	0.0	0.699
58.00	0.42	0.97	0.00	0.00	0.00	35.64	36.10	52.0	0.0	0.695
59.00	0.42	0.97	0.00	0.00	0.00	35.38	35.84	52.0	0.0	0.690
60.00	0.42	0.97	0.00	0.00	0.00	35.12	35.58	52.0	0.0	0.684
61.00	0.42	0.98	0.00	0.00	0.00	34.85	35.31	52.0	0.0	0.679
62.00	0.42	0.98	0.00	0.00	0.00	34.57	35.03	52.0	0.0	0.674
63.00	0.41	0.98	0.00	0.00	0.00	34.29	34.74	52.0	0.0	0.668
64.00	0.41	0.99	0.00	0.00	0.00	34.00	34.45	52.0	0.0	0.663
65.00	0.41	0.99	0.00	0.00	0.00	33.70	34.15	52.0	0.0	0.657
66.00	0.41	0.99	0.00	0.00	0.00	33.39	33.84	52.0	0.0	0.651
67.00	0.40	0.99	0.00	0.00	0.00	33.08	33.53	52.0	0.0	0.645
68.00	0.40	1.00	0.00	0.00	0.00	32.76	33.20	52.0	0.0	0.639
69.00	0.40	1.00	0.00	0.00	0.00	32.43	32.87	52.0	0.0	0.632
70.00	0.40	1.00	0.00	0.00	0.00	32.09	32.53	52.0	0.0	0.626
71.00	0.39	1.01	0.00	0.00	0.00	31.75	32.19	52.0	0.0	0.619
72.00	0.39	1.01	0.00	0.00	0.00	31.39	31.83	52.0	0.0	0.612
73.00	0.39	1.01	0.00	0.00	0.00	31.03	31.47	52.0	0.0	0.605
74.00	0.39	1.02	0.00	0.00	0.00	30.66	31.09	52.0	0.0	0.598
75.00	0.38	1.02	0.00	0.00	0.00	30.28	30.71	52.0	0.0	0.591
76.00	0.38	1.02	0.00	0.00	0.00	29.89	30.32	52.0	0.0	0.583
77.00	0.38	1.03	0.00	0.00	0.00	29.49	29.92	52.0	0.0	0.576
78.00	0.38	1.03	0.00	0.00	0.00	29.08	29.51	52.0	0.0	0.568
79.00	0.37	1.03	0.00	0.00	0.00	28.66	29.08	52.0	0.0	0.560
80.00	0.37	1.04	0.00	0.00	0.00	28.22	28.65	52.0	0.0	0.551
81.00	0.37	1.04	0.00	0.00	0.00	27.78	28.21	52.0	0.0	0.543
82.00	0.37	1.04	0.00	0.00	0.00	27.33	27.75	52.0	0.0	0.534
83.00	0.36	1.05	0.00	0.00	0.00	26.86	27.29	52.0	0.0	0.525
84.00	0.36	1.05	0.00	0.00	0.00	26.38	26.81	52.0	0.0	0.516
85.00	0.36	1.05	0.00	0.00	0.00	25.90	26.32	52.0	0.0	0.506
86.00	0.36	1.06	0.00	0.00	0.00	25.39	25.82	52.0	0.0	0.497
87.00	0.32	0.95	0.00	0.00	0.00	24.88	25.25	52.0	0.0	0.486
88.00	0.31	0.96	0.00	0.00	0.00	24.44	24.81	52.0	0.0	0.477
89.00	0.31	0.96	0.00	0.00	0.00	23.98	24.35	52.0	0.0	0.468
90.00	0.31	0.96	0.00	0.00	0.00	23.52	23.89	52.0	0.0	0.460
91.00	0.31	0.96	0.00	0.00	0.00	23.04	23.41	52.0	0.0	0.450
92.00	0.30	0.97	0.00	0.00	0.00	22.55	22.92	52.0	0.0	0.441
93.00	0.30	0.97	0.00	0.00	0.00	22.05	22.41	52.0	0.0	0.431
93.50	0.30	0.97	0.00	0.00	0.00	21.79	22.16	52.0	0.0	0.426
94.00	0.30	0.97	0.00	0.00	0.00	21.53	21.90	52.0	0.0	0.421
95.00	0.29	0.98	0.00	0.00	0.00	21.01	21.37	52.0	0.0	0.411
96.00	0.29	0.98	0.00	0.00	0.00	20.46	20.82	52.0	0.0	0.401
97.00	0.29	0.98	0.00	0.00	0.00	19.90	20.26	52.0	0.0	0.390
97.25	0.75	2.56	0.00	0.00	0.00	49.67	50.61	51.3	0.0	0.986
98.00	0.74	2.57	0.00	0.00	0.00	48.57	49.51	51.5	0.0	0.962
99.00	0.74	2.58	0.00	0.00	0.00	47.07	48.02	51.6	0.0	0.930
100.00	0.62	2.13	0.00	0.00	0.00	45.53	46.30	51.8	0.0	0.894
101.00	0.62	2.14	0.00	0.00	0.00	44.35	45.11	51.9	0.0	0.869
102.00	0.61	2.15	0.00	0.00	0.00	43.13	43.90	52.0	0.0	0.844
103.00	0.61	2.15	0.00	0.00	0.00	41.87	42.65	52.0	0.0	0.820
104.00	0.61	2.16	0.00	0.00	0.00	40.59	41.37	52.0	0.0	0.796

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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		

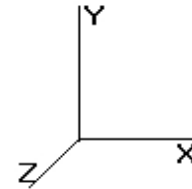
105.00	0.61	2.17	0.00	0.00	0.00	39.27	40.05	52.0	0.0	0.770
106.00	0.61	2.18	0.00	0.00	0.00	37.91	38.70	52.0	0.0	0.744
107.00	0.60	2.18	0.00	0.00	0.00	36.51	37.31	52.0	0.0	0.718
108.00	0.60	2.19	0.00	0.00	0.00	35.08	35.88	52.0	0.0	0.690
109.00	0.60	2.20	0.00	0.00	0.00	33.61	34.42	52.0	0.0	0.662
110.00	0.50	1.71	0.00	0.00	0.00	32.09	32.73	52.0	0.0	0.630
111.00	0.50	1.71	0.00	0.00	0.00	31.00	31.64	52.0	0.0	0.609
112.00	0.50	1.72	0.00	0.00	0.00	29.88	30.52	52.0	0.0	0.587
113.00	0.49	1.72	0.00	0.00	0.00	28.73	29.38	52.0	0.0	0.565
114.00	0.49	1.72	0.00	0.00	0.00	27.55	28.20	52.0	0.0	0.542
115.00	0.49	1.73	0.00	0.00	0.00	26.33	26.99	52.0	0.0	0.519
116.00	0.49	1.73	0.00	0.00	0.00	25.08	25.75	52.0	0.0	0.495
117.00	0.49	1.74	0.00	0.00	0.00	23.80	24.47	52.0	0.0	0.471
118.00	0.49	1.74	0.00	0.00	0.00	22.48	23.17	52.0	0.0	0.446
119.00	0.49	1.75	0.00	0.00	0.00	21.12	21.82	52.0	0.0	0.420
120.00	0.39	1.35	0.00	0.00	0.00	19.73	20.25	52.0	0.0	0.390
121.00	0.39	1.35	0.00	0.00	0.00	18.70	19.23	52.0	0.0	0.370
122.00	0.39	1.35	0.00	0.00	0.00	17.64	18.18	52.0	0.0	0.350
123.00	0.39	1.35	0.00	0.00	0.00	16.55	17.10	52.0	0.0	0.329
124.00	0.39	1.36	0.00	0.00	0.00	15.44	16.00	52.0	0.0	0.308
125.00	0.38	1.36	0.00	0.00	0.00	14.29	14.86	52.0	0.0	0.286
126.00	0.38	1.36	0.00	0.00	0.00	13.11	13.70	52.0	0.0	0.264
127.00	0.38	1.36	0.00	0.00	0.00	11.90	12.51	52.0	0.0	0.241
128.00	0.25	0.83	0.00	0.00	0.00	10.13	10.48	52.0	0.0	0.202
129.00	0.24	0.83	0.00	0.00	0.00	9.41	9.76	52.0	0.0	0.188
130.00	0.24	0.83	0.00	0.00	0.00	8.68	9.04	52.0	0.0	0.174
131.00	0.24	0.82	0.00	0.00	0.00	7.93	8.29	52.0	0.0	0.160
132.00	0.24	0.82	0.00	0.00	0.00	7.16	7.54	52.0	0.0	0.145
133.00	0.24	0.82	0.00	0.00	0.00	6.37	6.76	52.0	0.0	0.130
134.00	0.24	0.81	0.00	0.00	0.00	5.57	5.97	52.0	0.0	0.115
135.00	0.24	0.81	0.00	0.00	0.00	4.74	5.17	52.0	0.0	0.099
136.00	0.23	0.81	0.00	0.00	0.00	3.89	4.36	52.0	0.0	0.084
137.00	0.23	0.81	0.00	0.00	0.00	3.03	3.55	52.0	0.0	0.068
138.00	0.07	0.15	0.00	0.00	0.00	0.86	0.97	52.0	0.0	0.019
139.00	0.07	0.14	0.00	0.00	0.00	0.70	0.81	52.0	0.0	0.016
140.00	0.00	0.12	0.00	0.00	0.00	0.55	0.59	52.0	0.0	0.011

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

Shaft Segment Forces

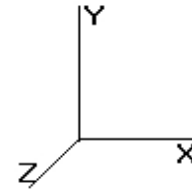
Seg Top												Ice	Wind	Dead	Tot Dead
Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Force X (lb)	Load Ice (lb)	Load (lb)		
0.00		0.00	1.00	15.551	26.28	306.10	0.650	0.500	0.00	0.000	0.00	0.0	0.0	0.0	
1.00		0.00	1.00	15.551	26.28	304.81	0.650	0.500	1.00	4.002	2.60	68.4	29.3	280.5	
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 30 Iterations

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

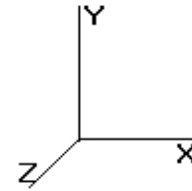
50.00		0.00	1.12	17.511	29.59	255.89	0.650	0.500	1.00	3.269	2.12	62.9	23.8	425.9
51.00	Top - Section 1	0.00	1.13	17.611	29.76	255.23	0.650	0.500	1.00	3.252	2.11	62.9	23.7	423.6
52.00		0.00	1.13	17.709	29.92	261.49	0.650	0.500	1.00	3.236	2.10	62.9	23.6	225.2
53.00		0.00	1.14	17.805	30.09	260.81	0.650	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	258.67	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	20.648	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	20.909	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	35.39	221.78	0.650	0.500	0.50	1.270	0.83	29.2	9.2	87.5
94.00		0.00	1.34	20.973	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
100.0	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
101.0		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
102.0		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
103.0		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
104.0		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

30 Iterations

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

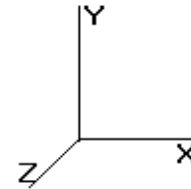
105.0		0.00	1.39	21.646	36.58	210.73	0.650	0.500	1.00	2.383	1.55	56.7	17.3	72.8
106.0		0.00	1.39	21.705	36.68	209.48	0.650	0.500	1.00	2.367	1.54	56.4	17.2	72.3
107.0		0.00	1.39	21.763	36.78	208.23	0.650	0.500	1.00	2.350	1.53	56.2	17.0	71.7
108.0		0.00	1.40	21.821	36.87	206.97	0.650	0.500	1.00	2.333	1.52	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	199.27	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	183.26	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	Appertunance(s)	0.00	1.47	22.907	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	22.958	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		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	167.95	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	23.453	39.63	165.10	0.650	0.500	1.00	1.817	1.18	46.8	13.1	54.8
140.0	Appertunance(s)	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)
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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	30 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Discrete Appurtenance Segment Forces

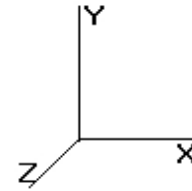
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Ericsson AIR 21, 1.3	3	20.514	34.668	0.71	15.34	0.000	0.000	531.68	0.00	0.00	397.80
87.00	RFS ATMAP1412D-	3	20.514	34.668	0.50	2.09	0.000	0.000	72.28	0.00	0.00	61.80
87.00	Flat Low Profile Pla	1	20.514	34.668	0.95	30.02	0.000	0.000	1,040.75	0.00	0.00	1,700.00
87.00	Ericsson AIR 21, 1.3	3	20.514	34.668	0.70	15.12	0.000	0.000	524.19	0.00	0.00	397.80
100.0	Flat Low Profile Pla	1	21.347	36.076	0.95	30.02	0.000	0.000	1,082.99	0.00	0.00	1,700.00
100.0	Powerwave LGP21901	6	21.347	36.076	0.50	1.02	0.000	0.000	36.80	0.00	0.00	46.20
100.0	Ericsson RRUS 11 (Ba	6	21.347	36.076	0.50	9.87	0.000	0.000	356.07	0.00	0.00	445.80
100.0	Powerwave P65-16-	3	21.347	36.076	0.67	18.53	0.000	0.000	668.56	0.00	0.00	300.60
100.0	Raycap DC6-48-60-18-	1	21.347	36.076	1.00	1.67	0.000	0.000	60.25	0.00	0.00	49.50
100.0	Powerwave 7770.00	6	21.347	36.076	0.65	25.47	0.000	0.000	918.74	0.00	0.00	405.78
100.0	Powerwave LGP21401	6	21.347	36.076	0.50	4.59	0.000	0.000	165.59	0.00	0.00	127.56
110.0	Antel BXA-171063-8BF	3	21.936	37.072	0.71	7.26	0.000	0.000	269.26	0.00	0.00	87.90
110.0	Antel BXA-171063-12C	3	21.936	37.072	0.72	11.79	0.000	0.000	437.21	0.00	0.00	127.20
110.0	Antel BXA-70080/6CF	3	21.936	37.072	0.72	14.04	0.000	0.000	520.49	0.00	0.00	162.27
110.0	RFS DB-T1-6Z-8AB-0Z	1	21.936	37.072	0.50	3.04	0.000	0.000	112.70	0.00	0.00	144.50
110.0	Alcatel-Lucent RRH2x	3	21.936	37.072	0.50	4.30	0.000	0.000	159.59	0.00	0.00	184.20
110.0	RFS FD9R6004/2C-3L	6	21.936	37.072	0.50	1.50	0.000	0.000	55.61	0.00	0.00	32.40
110.0	Antel BXA-70063/6CF	1	21.936	37.072	0.66	5.64	0.000	0.000	208.95	0.00	0.00	58.00
110.0	Diamond X50A	2	21.936	37.072	0.90	2.93	0.000	0.000	108.77	0.00	0.00	114.40
110.0	Round Low Profile PI	1	21.936	37.072	1.00	27.20	0.000	0.000	1,008.34	0.00	0.00	1,700.00
110.0	Powerwave P65-16-	2	21.936	37.072	0.65	12.00	0.000	0.000	444.82	0.00	0.00	155.06
120.0	48" x 8" Panels	12	22.488	38.005	0.67	32.80	0.000	0.000	1,246.68	0.00	0.00	483.59
120.0	Flat Low Profile Pla	1	22.488	38.005	0.95	30.02	0.000	0.000	1,140.90	0.00	0.00	1,700.00
128.0	Decibel DB980F650E-	6	23.008	38.884	0.68	17.63	0.000	2.000	685.35	0.00	1,370.71	179.10
128.0	Flat Low Profile Pla	1	22.907	38.712	0.95	30.02	0.000	0.000	1,162.14	0.00	0.00	1,700.00
128.0	RFS APXVSP18-C-	3	23.008	38.884	0.69	18.80	0.000	2.000	730.85	0.00	1,461.69	319.50
128.0	Alcatel-Lucent 800 M	3	22.907	38.712	0.50	4.08	0.000	0.000	157.95	0.00	0.00	258.30
128.0	Alcatel-Lucent 4x40W	3	22.907	38.712	0.50	6.35	0.000	0.000	245.63	0.00	0.00	367.20
138.0	6' Dipole	1	23.596	39.877	1.00	3.00	0.000	4.000	119.63	0.00	478.53	39.30
138.0	6' FM Antenna	1	23.643	39.957	1.00	14.77	0.000	5.000	590.17	0.00	2,950.85	112.70
138.0	8' Omni	2	23.691	40.037	1.00	6.46	0.000	6.000	258.64	0.00	1,551.83	124.00
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	6' Omni	2	23.596	39.877	1.00	4.26	0.000	4.000	169.88	0.00	679.51	76.48
138.0	Flat Platform w/ Han	1	23.404	39.553	0.90	43.56	0.000	0.000	1,722.93	0.00	0.00	2,450.00
138.0	Andrew VHLP2.5-10W	1	23.548	39.797	1.00	8.92	0.000	3.000	354.99	0.00	1,064.96	97.00
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	23.728	40.100	1.00	2.32	0.000	6.800	93.03	0.00	632.62	22.90
140.0	10' Pipe	1	23.831	40.274	1.00	6.75	0.000	7.000	271.85	0.00	1,902.93	900.00
140.0	Flat Side Arm	1	23.501	39.716	1.00	7.00	0.000	0.000	278.01	0.00	0.00	230.00
140.0	Commscope DB589-Y	1	24.059	40.660	1.00	3.99	0.000	12.000	162.23	0.00	1,946.81	35.90
									18,558.77			17,680.73

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
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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

30 Iterations

Gust Response Factor : 1.69

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Applied Segment Forces Summary

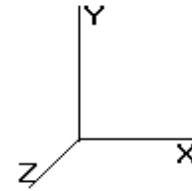
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	68.37	280.53	0.00	0.00
2.00	68.09	279.33	0.00	0.00
3.00	67.80	278.13	0.00	0.00
4.00	67.52	276.92	0.00	0.00
5.00	67.24	275.72	0.00	0.00
6.00	66.95	330.85	0.00	0.00
7.00	66.67	329.65	0.00	0.00
8.00	66.38	328.45	0.00	0.00
9.00	66.10	327.24	0.00	0.00
10.00	65.81	326.04	0.00	0.00
11.00	65.53	324.84	0.00	0.00
12.00	65.24	323.63	0.00	0.00
13.00	64.96	322.43	0.00	0.00
14.00	64.67	321.22	0.00	0.00
15.00	64.39	320.02	0.00	0.00
16.00	64.10	318.82	0.00	0.00
17.00	63.82	317.61	0.00	0.00
18.00	63.53	316.41	0.00	0.00
19.00	63.25	315.21	0.00	0.00
20.00	62.96	314.00	0.00	0.00
21.00	62.68	312.80	0.00	0.00
22.00	62.39	311.60	0.00	0.00
23.00	62.11	310.39	0.00	0.00
24.00	61.82	309.19	0.00	0.00
25.00	61.54	307.98	0.00	0.00
26.00	61.26	306.78	0.00	0.00
27.00	60.97	305.58	0.00	0.00
28.00	60.69	304.37	0.00	0.00
29.00	60.40	303.17	0.00	0.00
30.00	60.12	301.97	0.00	0.00
31.00	59.83	300.76	0.00	0.00
32.00	59.55	299.56	0.00	0.00
33.00	59.26	298.36	0.00	0.00
34.00	59.48	297.15	0.00	0.00
35.00	59.69	295.95	0.00	0.00
36.00	59.88	294.74	0.00	0.00
37.00	60.05	293.54	0.00	0.00
38.00	60.22	292.34	0.00	0.00
39.00	60.37	291.13	0.00	0.00
40.00	60.50	289.93	0.00	0.00
41.00	60.63	288.73	0.00	0.00
42.00	60.74	287.52	0.00	0.00
43.00	60.85	286.32	0.00	0.00
44.00	60.94	285.12	0.00	0.00
45.00	61.02	283.91	0.00	0.00
46.00	61.09	282.71	0.00	0.00
46.25	15.25	70.50	0.00	0.00
47.00	47.02	366.62	0.00	0.00
48.00	62.79	486.81	0.00	0.00

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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
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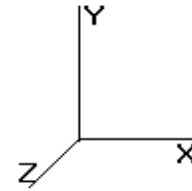
49.00	62.84	484.53	0.00	0.00
50.00	62.88	482.24	0.00	0.00
51.00	62.92	479.96	0.00	0.00
52.00	62.94	281.50	0.00	0.00
53.00	62.96	280.30	0.00	0.00
54.00	62.97	279.10	0.00	0.00
55.00	62.97	277.89	0.00	0.00
56.00	62.97	276.69	0.00	0.00
57.00	62.95	275.49	0.00	0.00
58.00	62.93	274.28	0.00	0.00
59.00	62.90	273.08	0.00	0.00
60.00	62.87	271.87	0.00	0.00
61.00	62.83	270.67	0.00	0.00
62.00	62.78	269.47	0.00	0.00
63.00	62.72	268.26	0.00	0.00
64.00	62.66	267.06	0.00	0.00
65.00	62.59	265.86	0.00	0.00
66.00	62.52	264.65	0.00	0.00
67.00	62.44	263.45	0.00	0.00
68.00	62.36	262.25	0.00	0.00
69.00	62.27	261.04	0.00	0.00
70.00	62.17	259.84	0.00	0.00
71.00	62.07	258.63	0.00	0.00
72.00	61.96	257.43	0.00	0.00
73.00	61.85	256.23	0.00	0.00
74.00	61.73	255.02	0.00	0.00
75.00	61.61	253.82	0.00	0.00
76.00	61.48	252.62	0.00	0.00
77.00	61.35	251.41	0.00	0.00
78.00	61.21	250.21	0.00	0.00
79.00	61.07	249.00	0.00	0.00
80.00	60.92	247.80	0.00	0.00
81.00	60.77	246.60	0.00	0.00
82.00	60.61	245.39	0.00	0.00
83.00	60.45	244.19	0.00	0.00
84.00	60.29	242.99	0.00	0.00
85.00	60.12	241.78	0.00	0.00
86.00	59.94	240.58	0.00	0.00
87.00	2,228.66	2,796.78	0.00	0.00
88.00	59.59	227.28	0.00	0.00
89.00	59.40	226.08	0.00	0.00
90.00	59.21	224.87	0.00	0.00
91.00	59.02	223.67	0.00	0.00
92.00	58.82	222.47	0.00	0.00
93.00	58.62	221.26	0.00	0.00
93.50	29.21	110.20	0.00	0.00
94.00	29.52	139.94	0.00	0.00
95.00	58.93	278.65	0.00	0.00
96.00	58.72	277.04	0.00	0.00
97.00	58.51	275.43	0.00	0.00
97.25	14.58	68.62	0.00	0.00
98.00	43.68	91.42	0.00	0.00
99.00	58.07	121.41	0.00	0.00
100.0	3,346.84	3,196.32	0.00	0.00
101.0	57.62	109.43	0.00	0.00
102.0	57.39	108.90	0.00	0.00
103.0	57.15	108.37	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: Ice 77.94 mph Wind with Ice 30 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

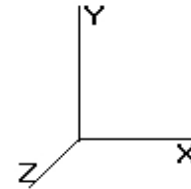
104.0	56.91	107.84	0.00	0.00
105.0	56.67	107.31	0.00	0.00
106.0	56.43	106.79	0.00	0.00
107.0	56.18	106.26	0.00	0.00
108.0	55.93	105.73	0.00	0.00
109.0	55.68	105.20	0.00	0.00
110.0	3,381.16	2,870.60	0.00	0.00
111.0	55.17	92.56	0.00	0.00
112.0	54.90	92.03	0.00	0.00
113.0	54.64	91.51	0.00	0.00
114.0	54.37	90.98	0.00	0.00
115.0	54.10	90.45	0.00	0.00
116.0	53.82	89.92	0.00	0.00
117.0	53.55	89.39	0.00	0.00
118.0	53.27	88.86	0.00	0.00
119.0	52.99	88.33	0.00	0.00
120.0	2,440.28	2,271.39	0.00	0.00
121.0	52.41	79.72	0.00	0.00
122.0	52.12	79.19	0.00	0.00
123.0	51.83	78.66	0.00	0.00
124.0	51.53	78.13	0.00	0.00
125.0	51.24	77.60	0.00	0.00
126.0	50.94	77.07	0.00	0.00
127.0	50.63	76.55	0.00	0.00
128.0	3,032.24	2,900.12	0.00	2,832.40
129.0	50.02	67.57	0.00	0.00
130.0	49.71	67.04	0.00	0.00
131.0	49.39	66.51	0.00	0.00
132.0	49.08	65.98	0.00	0.00
133.0	48.76	65.45	0.00	0.00
134.0	48.44	64.93	0.00	0.00
135.0	48.12	64.40	0.00	0.00
136.0	47.79	63.87	0.00	0.00
137.0	47.46	63.34	0.00	0.00
138.0	3,740.70	3,171.19	0.00	7,881.99
139.0	46.80	56.23	0.00	0.00
140.0	758.56	1,221.61	0.00	3,849.74
Totals:	26,851.70	49,584.24	0.00	14,564.13

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

30 Iterations

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

Calculated Shaft Forces and Deflections

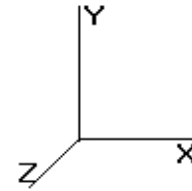
Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-26.869	-49.574	0.000	0.000	0.000	-2,869.671	0.000	0.000	0.000	0.000
1.00	-26.835	-49.275	0.000	0.000	0.000	-2,842.802	-0.004	0.000	0.004	-0.040
2.00	-26.801	-48.977	0.000	0.000	0.000	-2,815.968	-0.017	0.000	0.017	-0.080
3.00	-26.767	-48.680	0.000	0.000	0.000	-2,789.168	-0.039	0.000	0.039	-0.120
4.00	-26.733	-48.384	0.000	0.000	0.000	-2,762.402	-0.068	0.000	0.068	-0.161
5.00	-26.699	-48.090	0.000	0.000	0.000	-2,735.670	-0.107	0.000	0.107	-0.201
6.00	-26.664	-47.740	0.000	0.000	0.000	-2,708.972	-0.153	0.000	0.153	-0.242
7.00	-26.630	-47.392	0.000	0.000	0.000	-2,682.308	-0.209	0.000	0.209	-0.283
8.00	-26.596	-47.045	0.000	0.000	0.000	-2,655.678	-0.272	0.000	0.272	-0.324
9.00	-26.561	-46.699	0.000	0.000	0.000	-2,629.084	-0.345	0.000	0.345	-0.365
10.00	-26.526	-46.354	0.000	0.000	0.000	-2,602.523	-0.426	0.000	0.426	-0.406
11.00	-26.492	-46.011	0.000	0.000	0.000	-2,575.997	-0.515	0.000	0.515	-0.447
12.00	-26.457	-45.669	0.000	0.000	0.000	-2,549.506	-0.614	0.000	0.614	-0.489
13.00	-26.422	-45.328	0.000	0.000	0.000	-2,523.050	-0.721	0.000	0.721	-0.530
14.00	-26.387	-44.988	0.000	0.000	0.000	-2,496.628	-0.837	0.000	0.837	-0.572
15.00	-26.352	-44.649	0.000	0.000	0.000	-2,470.242	-0.961	0.000	0.961	-0.614
16.00	-26.317	-44.312	0.000	0.000	0.000	-2,443.890	-1.094	0.000	1.094	-0.656
17.00	-26.282	-43.976	0.000	0.000	0.000	-2,417.574	-1.236	0.000	1.236	-0.698
18.00	-26.247	-43.641	0.000	0.000	0.000	-2,391.293	-1.387	0.000	1.387	-0.740
19.00	-26.211	-43.307	0.000	0.000	0.000	-2,365.047	-1.547	0.000	1.547	-0.783
20.00	-26.176	-42.974	0.000	0.000	0.000	-2,338.836	-1.716	0.000	1.716	-0.825
21.00	-26.140	-42.643	0.000	0.000	0.000	-2,312.661	-1.893	0.000	1.893	-0.868
22.00	-26.105	-42.313	0.000	0.000	0.000	-2,286.522	-2.080	0.000	2.080	-0.910
23.00	-26.069	-41.984	0.000	0.000	0.000	-2,260.418	-2.275	0.000	2.275	-0.953
24.00	-26.033	-41.657	0.000	0.000	0.000	-2,234.349	-2.480	0.000	2.480	-0.996
25.00	-25.997	-41.330	0.000	0.000	0.000	-2,208.317	-2.693	0.000	2.693	-1.039
26.00	-25.961	-41.005	0.000	0.000	0.000	-2,182.320	-2.916	0.000	2.916	-1.082
27.00	-25.925	-40.681	0.000	0.000	0.000	-2,156.360	-3.147	0.000	3.147	-1.126
28.00	-25.889	-40.358	0.000	0.000	0.000	-2,130.435	-3.388	0.000	3.388	-1.169
29.00	-25.853	-40.037	0.000	0.000	0.000	-2,104.547	-3.638	0.000	3.638	-1.213
30.00	-25.816	-39.717	0.000	0.000	0.000	-2,078.695	-3.896	0.000	3.896	-1.256
31.00	-25.780	-39.398	0.000	0.000	0.000	-2,052.879	-4.164	0.000	4.164	-1.300
32.00	-25.743	-39.080	0.000	0.000	0.000	-2,027.100	-4.442	0.000	4.442	-1.344
33.00	-25.707	-38.763	0.000	0.000	0.000	-2,001.357	-4.728	0.000	4.728	-1.388
34.00	-25.670	-38.448	0.000	0.000	0.000	-1,975.650	-5.023	0.000	5.023	-1.432
35.00	-25.632	-38.134	0.000	0.000	0.000	-1,949.982	-5.328	0.000	5.328	-1.476
36.00	-25.593	-37.821	0.000	0.000	0.000	-1,924.350	-5.642	0.000	5.642	-1.520
37.00	-25.554	-37.510	0.000	0.000	0.000	-1,898.757	-5.965	0.000	5.965	-1.564
38.00	-25.515	-37.199	0.000	0.000	0.000	-1,873.204	-6.298	0.000	6.298	-1.608
39.00	-25.475	-36.890	0.000	0.000	0.000	-1,847.689	-6.640	0.000	6.640	-1.653
40.00	-25.434	-36.582	0.000	0.000	0.000	-1,822.215	-6.991	0.000	6.991	-1.697
41.00	-25.393	-36.276	0.000	0.000	0.000	-1,796.781	-7.351	0.000	7.351	-1.742
42.00	-25.352	-35.971	0.000	0.000	0.000	-1,771.388	-7.721	0.000	7.721	-1.786
43.00	-25.310	-35.667	0.000	0.000	0.000	-1,746.037	-8.100	0.000	8.100	-1.831
44.00	-25.267	-35.364	0.000	0.000	0.000	-1,720.727	-8.489	0.000	8.489	-1.876
45.00	-25.224	-35.062	0.000	0.000	0.000	-1,695.461	-8.886	0.000	8.886	-1.921
46.00	-25.171	-34.770	0.000	0.000	0.000	-1,670.237	-9.294	0.000	9.294	-1.965
46.25	-25.167	-34.690	0.000	0.000	0.000	-1,663.944	-9.397	0.000	9.397	-1.977
47.00	-25.131	-34.308	0.000	0.000	0.000	-1,645.070	-9.710	0.000	9.710	-2.010
48.00	-25.077	-33.804	0.000	0.000	0.000	-1,619.940	-10.136	0.000	10.136	-2.055
49.00	-25.023	-33.302	0.000	0.000	0.000	-1,594.863	-10.572	0.000	10.572	-2.100

Pole : 310968
Location : WSPT-Westport Rebuild CT, CT
Height : 140.0 (ft)
Base Dia : 47.13 (in)
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Shape : 18 Sides
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Load Case: Ice 77.94 mph Wind with Ice 30 Iterations

Gust Response Factor : 1.69
Dead Load Factor : 1.00
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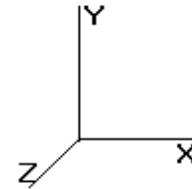
50.00	-24.968	-32.803	0.000	0.000	0.000	-1,569.841	-11.017	0.000	11.017	-2.145
51.00	-24.912	-32.306	0.000	0.000	0.000	-1,544.874	-11.471	0.000	11.471	-2.190
52.00	-24.863	-32.009	0.000	0.000	0.000	-1,519.962	-11.935	0.000	11.935	-2.235
53.00	-24.812	-31.713	0.000	0.000	0.000	-1,495.100	-12.407	0.000	12.407	-2.277
54.00	-24.760	-31.419	0.000	0.000	0.000	-1,470.289	-12.889	0.000	12.889	-2.318
55.00	-24.708	-31.126	0.000	0.000	0.000	-1,445.530	-13.379	0.000	13.379	-2.359
56.00	-24.656	-30.835	0.000	0.000	0.000	-1,420.822	-13.877	0.000	13.877	-2.401
57.00	-24.604	-30.544	0.000	0.000	0.000	-1,396.166	-14.385	0.000	14.385	-2.442
58.00	-24.551	-30.255	0.000	0.000	0.000	-1,371.563	-14.901	0.000	14.901	-2.483
59.00	-24.498	-29.968	0.000	0.000	0.000	-1,347.012	-15.425	0.000	15.425	-2.525
60.00	-24.444	-29.681	0.000	0.000	0.000	-1,322.515	-15.959	0.000	15.959	-2.566
61.00	-24.390	-29.396	0.000	0.000	0.000	-1,298.072	-16.501	0.000	16.501	-2.607
62.00	-24.336	-29.112	0.000	0.000	0.000	-1,273.682	-17.051	0.000	17.051	-2.648
63.00	-24.281	-28.830	0.000	0.000	0.000	-1,249.346	-17.610	0.000	17.610	-2.689
64.00	-24.227	-28.549	0.000	0.000	0.000	-1,225.065	-18.178	0.000	18.178	-2.730
65.00	-24.171	-28.269	0.000	0.000	0.000	-1,200.839	-18.754	0.000	18.754	-2.771
66.00	-24.116	-27.991	0.000	0.000	0.000	-1,176.668	-19.339	0.000	19.339	-2.811
67.00	-24.060	-27.714	0.000	0.000	0.000	-1,152.553	-19.932	0.000	19.932	-2.852
68.00	-24.004	-27.438	0.000	0.000	0.000	-1,128.494	-20.533	0.000	20.533	-2.892
69.00	-23.947	-27.164	0.000	0.000	0.000	-1,104.490	-21.143	0.000	21.143	-2.932
70.00	-23.891	-26.891	0.000	0.000	0.000	-1,080.543	-21.762	0.000	21.762	-2.972
71.00	-23.834	-26.619	0.000	0.000	0.000	-1,056.653	-22.389	0.000	22.389	-3.012
72.00	-23.777	-26.349	0.000	0.000	0.000	-1,032.820	-23.024	0.000	23.024	-3.052
73.00	-23.719	-26.080	0.000	0.000	0.000	-1,009.044	-23.667	0.000	23.667	-3.091
74.00	-23.661	-25.813	0.000	0.000	0.000	-985.325	-24.319	0.000	24.319	-3.131
75.00	-23.603	-25.547	0.000	0.000	0.000	-961.664	-24.979	0.000	24.979	-3.170
76.00	-23.545	-25.282	0.000	0.000	0.000	-938.062	-25.646	0.000	25.646	-3.209
77.00	-23.486	-25.019	0.000	0.000	0.000	-914.518	-26.323	0.000	26.323	-3.247
78.00	-23.427	-24.757	0.000	0.000	0.000	-891.032	-27.007	0.000	27.007	-3.285
79.00	-23.368	-24.496	0.000	0.000	0.000	-867.605	-27.699	0.000	27.699	-3.323
80.00	-23.309	-24.237	0.000	0.000	0.000	-844.238	-28.399	0.000	28.399	-3.361
81.00	-23.249	-23.980	0.000	0.000	0.000	-820.930	-29.106	0.000	29.106	-3.398
82.00	-23.189	-23.723	0.000	0.000	0.000	-797.681	-29.822	0.000	29.822	-3.435
83.00	-23.129	-23.469	0.000	0.000	0.000	-774.492	-30.545	0.000	30.545	-3.472
84.00	-23.069	-23.215	0.000	0.000	0.000	-751.364	-31.276	0.000	31.276	-3.508
85.00	-23.008	-22.963	0.000	0.000	0.000	-728.296	-32.015	0.000	32.015	-3.544
86.00	-22.947	-22.713	0.000	0.000	0.000	-705.288	-32.761	0.000	32.761	-3.579
87.00	-20.560	-20.049	0.000	0.000	0.000	-682.341	-33.514	0.000	33.514	-3.614
88.00	-20.498	-19.814	0.000	0.000	0.000	-661.782	-34.274	0.000	34.274	-3.649
89.00	-20.435	-19.580	0.000	0.000	0.000	-641.285	-35.042	0.000	35.042	-3.683
90.00	-20.373	-19.347	0.000	0.000	0.000	-620.850	-35.817	0.000	35.817	-3.717
91.00	-20.311	-19.116	0.000	0.000	0.000	-600.477	-36.598	0.000	36.598	-3.750
92.00	-20.248	-18.887	0.000	0.000	0.000	-580.166	-37.387	0.000	37.387	-3.783
93.00	-20.183	-18.661	0.000	0.000	0.000	-559.919	-38.183	0.000	38.183	-3.815
93.50	-20.152	-18.548	0.000	0.000	0.000	-549.827	-38.583	0.000	38.583	-3.832
94.00	-20.120	-18.402	0.000	0.000	0.000	-539.752	-38.985	0.000	38.985	-3.847
95.00	-20.053	-18.117	0.000	0.000	0.000	-519.631	-39.794	0.000	39.794	-3.879
96.00	-19.985	-17.834	0.000	0.000	0.000	-499.579	-40.609	0.000	40.609	-3.910
97.00	-19.913	-17.556	0.000	0.000	0.000	-479.594	-41.431	0.000	41.431	-3.940
97.25	-19.899	-17.484	0.000	0.000	0.000	-474.616	-41.637	0.000	41.637	-3.947
98.00	-19.864	-17.378	0.000	0.000	0.000	-459.692	-42.259	0.000	42.259	-3.970
99.00	-19.819	-17.236	0.000	0.000	0.000	-439.829	-43.098	0.000	43.098	-4.042
100.0	-16.270	-14.267	0.000	0.000	0.000	-420.011	-43.952	0.000	43.952	-4.112
101.0	-16.222	-14.143	0.000	0.000	0.000	-403.741	-44.821	0.000	44.821	-4.180
102.0	-16.173	-14.020	0.000	0.000	0.000	-387.520	-45.703	0.000	45.703	-4.248
103.0	-16.124	-13.897	0.000	0.000	0.000	-371.348	-46.600	0.000	46.600	-4.314
104.0	-16.074	-13.776	0.000	0.000	0.000	-355.225	-47.510	0.000	47.510	-4.378

Pole : 310968
 Location : WSPT-Westport Rebuild CT, CT
 Height : 140.0 (ft)
 Base Dia : 47.13 (in)
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Load Case: Ice **77.94 mph Wind with Ice** **30 Iterations**

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

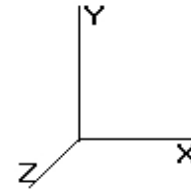
105.0	-16.024	-13.656	0.000	0.000	0.000	-339.151	-48.433	0.000	48.433	-4.441
106.0	-15.974	-13.537	0.000	0.000	0.000	-323.127	-49.370	0.000	49.370	-4.503
107.0	-15.923	-13.419	0.000	0.000	0.000	-307.154	-50.319	0.000	50.319	-4.563
108.0	-15.872	-13.303	0.000	0.000	0.000	-291.231	-51.281	0.000	51.281	-4.621
109.0	-15.821	-13.187	0.000	0.000	0.000	-275.359	-52.254	0.000	52.254	-4.677
110.0	-12.226	-10.592	0.000	0.000	0.000	-259.539	-53.239	0.000	53.239	-4.731
111.0	-12.172	-10.494	0.000	0.000	0.000	-247.313	-54.235	0.000	54.235	-4.784
112.0	-12.119	-10.396	0.000	0.000	0.000	-235.141	-55.242	0.000	55.242	-4.835
113.0	-12.066	-10.299	0.000	0.000	0.000	-223.023	-56.259	0.000	56.259	-4.885
114.0	-12.012	-10.203	0.000	0.000	0.000	-210.957	-57.287	0.000	57.287	-4.933
115.0	-11.959	-10.108	0.000	0.000	0.000	-198.945	-58.324	0.000	58.324	-4.980
116.0	-11.905	-10.014	0.000	0.000	0.000	-186.987	-59.371	0.000	59.371	-5.025
117.0	-11.851	-9.921	0.000	0.000	0.000	-175.082	-60.428	0.000	60.428	-5.068
118.0	-11.797	-9.829	0.000	0.000	0.000	-163.231	-61.493	0.000	61.493	-5.110
119.0	-11.743	-9.738	0.000	0.000	0.000	-151.434	-62.566	0.000	62.566	-5.149
120.0	-9.113	-7.690	0.000	0.000	0.000	-139.692	-63.648	0.000	63.648	-5.187
121.0	-9.058	-7.610	0.000	0.000	0.000	-130.579	-64.737	0.000	64.737	-5.222
122.0	-9.003	-7.530	0.000	0.000	0.000	-121.521	-65.833	0.000	65.833	-5.256
123.0	-8.949	-7.452	0.000	0.000	0.000	-112.518	-66.937	0.000	66.937	-5.289
124.0	-8.894	-7.374	0.000	0.000	0.000	-103.570	-68.046	0.000	68.046	-5.319
125.0	-8.839	-7.298	0.000	0.000	0.000	-94.676	-69.162	0.000	69.162	-5.348
126.0	-8.785	-7.222	0.000	0.000	0.000	-85.837	-70.284	0.000	70.284	-5.375
127.0	-8.730	-7.146	0.000	0.000	0.000	-77.053	-71.411	0.000	71.411	-5.400
128.0	-5.439	-4.543	0.000	0.000	0.000	-65.491	-72.544	0.000	72.544	-5.423
129.0	-5.385	-4.479	0.000	0.000	0.000	-60.052	-73.680	0.000	73.680	-5.443
130.0	-5.330	-4.415	0.000	0.000	0.000	-54.667	-74.821	0.000	74.821	-5.462
131.0	-5.276	-4.352	0.000	0.000	0.000	-49.337	-75.965	0.000	75.965	-5.480
132.0	-5.222	-4.290	0.000	0.000	0.000	-44.061	-77.113	0.000	77.113	-5.496
133.0	-5.168	-4.228	0.000	0.000	0.000	-38.839	-78.265	0.000	78.265	-5.511
134.0	-5.115	-4.167	0.000	0.000	0.000	-33.671	-79.419	0.000	79.419	-5.524
135.0	-5.062	-4.107	0.000	0.000	0.000	-28.556	-80.576	0.000	80.576	-5.536
136.0	-5.008	-4.047	0.000	0.000	0.000	-23.494	-81.735	0.000	81.735	-5.546
137.0	-4.956	-3.988	0.000	0.000	0.000	-18.486	-82.896	0.000	82.896	-5.555
138.0	-0.925	-1.194	0.000	0.000	0.000	-5.649	-84.058	0.000	84.058	-5.562
139.0	-0.873	-1.142	0.000	0.000	0.000	-4.723	-85.222	0.000	85.222	-5.564
140.0	-0.759	0.000	0.000	0.000	0.000	-3.850	-86.385	0.000	86.385	-5.566

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

Calculated Stresses

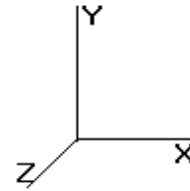
Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.67	0.73	0.00	0.00	0.00	40.53	41.22	52.0	0.0	0.793
1.00	0.67	0.73	0.00	0.00	0.00	40.50	41.19	52.0	0.0	0.792
2.00	0.67	0.74	0.00	0.00	0.00	40.47	41.16	52.0	0.0	0.792
3.00	0.67	0.74	0.00	0.00	0.00	40.44	41.12	52.0	0.0	0.791
4.00	0.67	0.74	0.00	0.00	0.00	40.40	41.09	52.0	0.0	0.790
5.00	0.66	0.74	0.00	0.00	0.00	40.36	41.05	52.0	0.0	0.790
6.00	0.66	0.75	0.00	0.00	0.00	40.32	41.01	52.0	0.0	0.789
7.00	0.66	0.75	0.00	0.00	0.00	40.28	40.96	52.0	0.0	0.788
8.00	0.66	0.75	0.00	0.00	0.00	40.24	40.92	52.0	0.0	0.787
9.00	0.66	0.75	0.00	0.00	0.00	40.20	40.87	52.0	0.0	0.786
10.00	0.65	0.75	0.00	0.00	0.00	40.15	40.82	52.0	0.0	0.785
11.00	0.65	0.76	0.00	0.00	0.00	40.10	40.77	52.0	0.0	0.784
12.00	0.65	0.76	0.00	0.00	0.00	40.05	40.72	52.0	0.0	0.783
13.00	0.65	0.76	0.00	0.00	0.00	40.00	40.67	52.0	0.0	0.782
14.00	0.65	0.76	0.00	0.00	0.00	39.94	40.61	52.0	0.0	0.781
15.00	0.64	0.77	0.00	0.00	0.00	39.89	40.55	52.0	0.0	0.780
16.00	0.64	0.77	0.00	0.00	0.00	39.83	40.49	52.0	0.0	0.779
17.00	0.64	0.77	0.00	0.00	0.00	39.77	40.43	52.0	0.0	0.778
18.00	0.64	0.77	0.00	0.00	0.00	39.70	40.36	52.0	0.0	0.777
19.00	0.64	0.78	0.00	0.00	0.00	39.64	40.30	52.0	0.0	0.775
20.00	0.64	0.78	0.00	0.00	0.00	39.57	40.22	52.0	0.0	0.774
21.00	0.63	0.78	0.00	0.00	0.00	39.50	40.15	52.0	0.0	0.772
22.00	0.63	0.79	0.00	0.00	0.00	39.42	40.08	52.0	0.0	0.771
23.00	0.63	0.79	0.00	0.00	0.00	39.35	40.00	52.0	0.0	0.770
24.00	0.63	0.79	0.00	0.00	0.00	39.27	39.92	52.0	0.0	0.768
25.00	0.63	0.79	0.00	0.00	0.00	39.19	39.84	52.0	0.0	0.766
26.00	0.62	0.80	0.00	0.00	0.00	39.10	39.75	52.0	0.0	0.765
27.00	0.62	0.80	0.00	0.00	0.00	39.02	39.66	52.0	0.0	0.763
28.00	0.62	0.80	0.00	0.00	0.00	38.93	39.57	52.0	0.0	0.761
29.00	0.62	0.80	0.00	0.00	0.00	38.83	39.47	52.0	0.0	0.759
30.00	0.62	0.81	0.00	0.00	0.00	38.74	39.38	52.0	0.0	0.758
31.00	0.61	0.81	0.00	0.00	0.00	38.64	39.28	52.0	0.0	0.756
32.00	0.61	0.81	0.00	0.00	0.00	38.53	39.17	52.0	0.0	0.754
33.00	0.61	0.82	0.00	0.00	0.00	38.43	39.06	52.0	0.0	0.752
34.00	0.61	0.82	0.00	0.00	0.00	38.32	38.95	52.0	0.0	0.749
35.00	0.61	0.82	0.00	0.00	0.00	38.21	38.84	52.0	0.0	0.747
36.00	0.60	0.82	0.00	0.00	0.00	38.09	38.72	52.0	0.0	0.745
37.00	0.60	0.83	0.00	0.00	0.00	37.97	38.60	52.0	0.0	0.743
38.00	0.60	0.83	0.00	0.00	0.00	37.85	38.47	52.0	0.0	0.740
39.00	0.60	0.83	0.00	0.00	0.00	37.72	38.35	52.0	0.0	0.738
40.00	0.60	0.84	0.00	0.00	0.00	37.59	38.21	52.0	0.0	0.735
41.00	0.59	0.84	0.00	0.00	0.00	37.45	38.08	52.0	0.0	0.733
42.00	0.59	0.84	0.00	0.00	0.00	37.31	37.93	52.0	0.0	0.730
43.00	0.59	0.85	0.00	0.00	0.00	37.17	37.79	52.0	0.0	0.727
44.00	0.59	0.85	0.00	0.00	0.00	37.02	37.64	52.0	0.0	0.724
45.00	0.59	0.85	0.00	0.00	0.00	36.87	37.49	52.0	0.0	0.721
46.00	0.59	0.85	0.00	0.00	0.00	36.71	37.33	52.0	0.0	0.718
46.25	0.58	0.86	0.00	0.00	0.00	36.67	37.29	52.0	0.0	0.717
47.00	0.58	0.86	0.00	0.00	0.00	36.55	37.16	52.0	0.0	0.715
48.00	0.58	0.86	0.00	0.00	0.00	36.39	36.99	52.0	0.0	0.712
49.00	0.57	0.86	0.00	0.00	0.00	36.22	36.82	52.0	0.0	0.708

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

30 Iterations

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

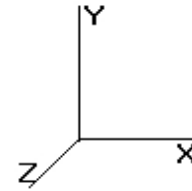
50.00	0.56	0.87	0.00	0.00	0.00	36.04	36.64	52.0	0.0	0.705
51.00	0.54	0.85	0.00	0.00	0.00	33.96	34.53	52.0	0.0	0.664
52.00	0.54	0.85	0.00	0.00	0.00	33.77	34.35	52.0	0.0	0.661
53.00	0.54	0.85	0.00	0.00	0.00	33.58	34.15	52.0	0.0	0.657
54.00	0.54	0.85	0.00	0.00	0.00	33.39	33.96	52.0	0.0	0.653
55.00	0.54	0.86	0.00	0.00	0.00	33.19	33.76	52.0	0.0	0.649
56.00	0.53	0.86	0.00	0.00	0.00	32.98	33.55	52.0	0.0	0.645
57.00	0.53	0.86	0.00	0.00	0.00	32.77	33.34	52.0	0.0	0.641
58.00	0.53	0.87	0.00	0.00	0.00	32.55	33.12	52.0	0.0	0.637
59.00	0.53	0.87	0.00	0.00	0.00	32.33	32.89	52.0	0.0	0.633
60.00	0.52	0.87	0.00	0.00	0.00	32.10	32.66	52.0	0.0	0.628
61.00	0.52	0.87	0.00	0.00	0.00	31.87	32.43	52.0	0.0	0.624
62.00	0.52	0.88	0.00	0.00	0.00	31.63	32.19	52.0	0.0	0.619
63.00	0.52	0.88	0.00	0.00	0.00	31.38	31.94	52.0	0.0	0.614
64.00	0.52	0.88	0.00	0.00	0.00	31.13	31.68	52.0	0.0	0.610
65.00	0.51	0.89	0.00	0.00	0.00	30.87	31.42	52.0	0.0	0.605
66.00	0.51	0.89	0.00	0.00	0.00	30.60	31.16	52.0	0.0	0.599
67.00	0.51	0.89	0.00	0.00	0.00	30.33	30.88	52.0	0.0	0.594
68.00	0.51	0.90	0.00	0.00	0.00	30.05	30.60	52.0	0.0	0.589
69.00	0.51	0.90	0.00	0.00	0.00	29.76	30.31	52.0	0.0	0.583
70.00	0.50	0.90	0.00	0.00	0.00	29.47	30.01	52.0	0.0	0.577
71.00	0.50	0.91	0.00	0.00	0.00	29.16	29.71	52.0	0.0	0.572
72.00	0.50	0.91	0.00	0.00	0.00	28.85	29.40	52.0	0.0	0.566
73.00	0.50	0.91	0.00	0.00	0.00	28.53	29.08	52.0	0.0	0.559
74.00	0.50	0.92	0.00	0.00	0.00	28.21	28.75	52.0	0.0	0.553
75.00	0.49	0.92	0.00	0.00	0.00	27.87	28.41	52.0	0.0	0.547
76.00	0.49	0.92	0.00	0.00	0.00	27.53	28.06	52.0	0.0	0.540
77.00	0.49	0.93	0.00	0.00	0.00	27.17	27.71	52.0	0.0	0.533
78.00	0.49	0.93	0.00	0.00	0.00	26.81	27.34	52.0	0.0	0.526
79.00	0.49	0.93	0.00	0.00	0.00	26.44	26.97	52.0	0.0	0.519
80.00	0.48	0.94	0.00	0.00	0.00	26.05	26.58	52.0	0.0	0.511
81.00	0.48	0.94	0.00	0.00	0.00	25.66	26.19	52.0	0.0	0.504
82.00	0.48	0.94	0.00	0.00	0.00	25.26	25.79	52.0	0.0	0.496
83.00	0.48	0.95	0.00	0.00	0.00	24.84	25.37	52.0	0.0	0.488
84.00	0.47	0.95	0.00	0.00	0.00	24.42	24.94	52.0	0.0	0.480
85.00	0.47	0.95	0.00	0.00	0.00	23.98	24.51	52.0	0.0	0.471
86.00	0.47	0.96	0.00	0.00	0.00	23.53	24.06	52.0	0.0	0.463
87.00	0.42	0.86	0.00	0.00	0.00	23.07	23.53	52.0	0.0	0.453
88.00	0.42	0.87	0.00	0.00	0.00	22.68	23.14	52.0	0.0	0.445
89.00	0.41	0.87	0.00	0.00	0.00	22.27	22.73	52.0	0.0	0.437
90.00	0.41	0.87	0.00	0.00	0.00	21.86	22.32	52.0	0.0	0.429
91.00	0.41	0.88	0.00	0.00	0.00	21.43	21.89	52.0	0.0	0.421
92.00	0.41	0.88	0.00	0.00	0.00	20.99	21.45	52.0	0.0	0.413
93.00	0.41	0.88	0.00	0.00	0.00	20.54	21.00	52.0	0.0	0.404
93.50	0.40	0.88	0.00	0.00	0.00	20.31	20.77	52.0	0.0	0.400
94.00	0.40	0.89	0.00	0.00	0.00	20.08	20.54	52.0	0.0	0.395
95.00	0.40	0.89	0.00	0.00	0.00	19.60	20.06	52.0	0.0	0.386
96.00	0.40	0.89	0.00	0.00	0.00	19.12	19.57	52.0	0.0	0.377
97.00	0.39	0.90	0.00	0.00	0.00	18.62	19.07	52.0	0.0	0.367
97.25	1.02	2.33	0.00	0.00	0.00	46.46	47.65	51.3	0.0	0.928
98.00	1.02	2.34	0.00	0.00	0.00	45.47	46.67	51.5	0.0	0.907
99.00	1.02	2.35	0.00	0.00	0.00	44.12	45.32	51.6	0.0	0.878
100.00	0.85	1.95	0.00	0.00	0.00	42.73	43.71	51.8	0.0	0.844
101.00	0.85	1.95	0.00	0.00	0.00	41.67	42.65	51.9	0.0	0.821
102.00	0.84	1.96	0.00	0.00	0.00	40.57	41.55	52.0	0.0	0.799
103.00	0.84	1.97	0.00	0.00	0.00	39.44	40.43	52.0	0.0	0.778
104.00	0.84	1.98	0.00	0.00	0.00	38.28	39.27	52.0	0.0	0.756

Pole : 310968
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Load Case: Ice

77.94 mph Wind with Ice

30 Iterations

Gust Response Factor : 1.69
 Dead Load Factor : 1.00
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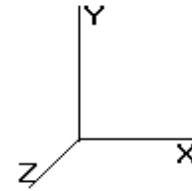
105.00	0.84	1.99	0.00	0.00	0.00	37.09	38.09	52.0	0.0	0.733
106.00	0.84	2.00	0.00	0.00	0.00	35.86	36.86	52.0	0.0	0.709
107.00	0.84	2.00	0.00	0.00	0.00	34.60	35.61	52.0	0.0	0.685
108.00	0.84	2.01	0.00	0.00	0.00	33.30	34.32	52.0	0.0	0.660
109.00	0.84	2.02	0.00	0.00	0.00	31.97	32.99	52.0	0.0	0.635
110.00	0.68	1.57	0.00	0.00	0.00	30.59	31.39	52.0	0.0	0.604
111.00	0.68	1.58	0.00	0.00	0.00	29.60	30.40	52.0	0.0	0.585
112.00	0.67	1.58	0.00	0.00	0.00	28.58	29.38	52.0	0.0	0.565
113.00	0.67	1.59	0.00	0.00	0.00	27.53	28.34	52.0	0.0	0.545
114.00	0.67	1.59	0.00	0.00	0.00	26.45	27.27	52.0	0.0	0.525
115.00	0.67	1.60	0.00	0.00	0.00	25.34	26.16	52.0	0.0	0.503
116.00	0.67	1.61	0.00	0.00	0.00	24.20	25.03	52.0	0.0	0.482
117.00	0.67	1.61	0.00	0.00	0.00	23.03	23.86	52.0	0.0	0.459
118.00	0.67	1.62	0.00	0.00	0.00	21.82	22.66	52.0	0.0	0.436
119.00	0.67	1.62	0.00	0.00	0.00	20.58	21.43	52.0	0.0	0.412
120.00	0.53	1.27	0.00	0.00	0.00	19.30	19.95	52.0	0.0	0.384
121.00	0.53	1.27	0.00	0.00	0.00	18.34	19.00	52.0	0.0	0.365
122.00	0.53	1.28	0.00	0.00	0.00	17.36	18.02	52.0	0.0	0.347
123.00	0.53	1.28	0.00	0.00	0.00	16.34	17.02	52.0	0.0	0.327
124.00	0.53	1.28	0.00	0.00	0.00	15.30	15.98	52.0	0.0	0.307
125.00	0.53	1.28	0.00	0.00	0.00	14.23	14.92	52.0	0.0	0.287
126.00	0.53	1.29	0.00	0.00	0.00	13.13	13.83	52.0	0.0	0.266
127.00	0.52	1.29	0.00	0.00	0.00	11.99	12.71	52.0	0.0	0.245
128.00	0.34	0.81	0.00	0.00	0.00	10.37	10.80	52.0	0.0	0.208
129.00	0.33	0.81	0.00	0.00	0.00	9.68	10.11	52.0	0.0	0.195
130.00	0.33	0.81	0.00	0.00	0.00	8.97	9.41	52.0	0.0	0.181
131.00	0.33	0.81	0.00	0.00	0.00	8.25	8.69	52.0	0.0	0.167
132.00	0.33	0.81	0.00	0.00	0.00	7.50	7.95	52.0	0.0	0.153
133.00	0.33	0.81	0.00	0.00	0.00	6.73	7.20	52.0	0.0	0.138
134.00	0.33	0.81	0.00	0.00	0.00	5.95	6.43	52.0	0.0	0.124
135.00	0.32	0.80	0.00	0.00	0.00	5.14	5.64	52.0	0.0	0.108
136.00	0.32	0.80	0.00	0.00	0.00	4.31	4.84	52.0	0.0	0.093
137.00	0.32	0.80	0.00	0.00	0.00	3.46	4.02	52.0	0.0	0.077
138.00	0.10	0.15	0.00	0.00	0.00	1.08	1.20	52.0	0.0	0.023
139.00	0.09	0.14	0.00	0.00	0.00	0.92	1.04	52.0	0.0	0.020
140.00	0.00	0.13	0.00	0.00	0.00	0.76	0.79	52.0	0.0	0.015

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

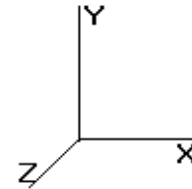
Seg Top												Wind	Dead	Tot Dead
Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Force X (lb)	Load Ice (lb)	Load (lb)	
0.00		0.00	1.00	6.400	10.81	196.37	0.650	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		0.00	1.00	6.400	10.81	195.54	0.650	0.000	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

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		

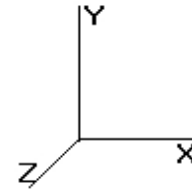
50.00		0.00	1.12	7.207	12.17	164.16	0.650	0.000	1.00	3.186	2.07	25.2	0.0	402.1
51.00	Top - Section 1	0.00	1.13	7.248	12.24	163.74	0.650	0.000	1.00	3.169	2.06	25.2	0.0	399.9
52.00		0.00	1.13	7.288	12.31	167.75	0.650	0.000	1.00	3.152	2.05	25.2	0.0	201.6
53.00		0.00	1.14	7.328	12.38	167.31	0.650	0.000	1.00	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		

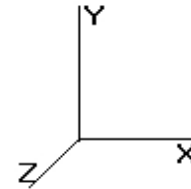
105.0		0.00	1.39	8.908	15.05	135.19	0.650	0.000	1.00	2.300	1.50	22.5	0.0	55.5
106.0		0.00	1.39	8.933	15.09	134.39	0.650	0.000	1.00	2.283	1.48	22.4	0.0	55.1
107.0		0.00	1.39	8.957	15.13	133.58	0.650	0.000	1.00	2.267	1.47	22.3	0.0	54.7
108.0		0.00	1.40	8.980	15.17	132.77	0.650	0.000	1.00	2.250	1.46	22.2	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	Appertunance(s)	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		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	Appertunance(s)	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

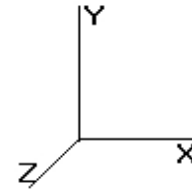
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
87.00	Ericsson AIR 21, 1.3	3	8.442	14.268	0.71	12.89	0.000	0.000	183.86	0.00	0.00	249.00
87.00	RFS ATMAP1412D-	3	8.442	14.268	0.50	1.50	0.000	0.000	21.40	0.00	0.00	39.00
87.00	Flat Low Profile Pla	1	8.442	14.268	0.95	24.80	0.000	0.000	353.77	0.00	0.00	1,500.00
87.00	Ericsson AIR 21, 1.3	3	8.442	14.268	0.70	12.79	0.000	0.000	182.47	0.00	0.00	244.50
100.0	Flat Low Profile Pla	1	8.785	14.847	0.95	24.80	0.000	0.000	368.13	0.00	0.00	1,500.00
100.0	Powerwave LGP21901	6	8.785	14.847	0.50	0.69	0.000	0.000	10.24	0.00	0.00	33.00
100.0	Ericsson RRUS 11 (Ba	6	8.785	14.847	0.50	7.56	0.000	0.000	112.24	0.00	0.00	330.00
100.0	Powerwave P65-16-	3	8.785	14.847	0.67	16.34	0.000	0.000	242.62	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
100.0	Powerwave 7770.00	6	8.785	14.847	0.65	21.49	0.000	0.000	319.04	0.00	0.00	210.00
100.0	Powerwave LGP21401	6	8.785	14.847	0.50	3.30	0.000	0.000	48.99	0.00	0.00	84.60
110.0	Antel BXA-171063-8BF	3	9.028	15.257	0.71	6.26	0.000	0.000	95.54	0.00	0.00	31.50
110.0	Antel BXA-171063-12C	3	9.028	15.257	0.72	10.35	0.000	0.000	157.85	0.00	0.00	45.00
110.0	Antel BXA-70080/6CF	3	9.028	15.257	0.72	12.61	0.000	0.000	192.45	0.00	0.00	54.24
110.0	RFS DB-T1-6Z-8AB-0Z	1	9.028	15.257	0.50	2.40	0.000	0.000	36.62	0.00	0.00	44.00
110.0	Alcatel-Lucent RRH2x	3	9.028	15.257	0.50	3.24	0.000	0.000	49.43	0.00	0.00	132.00
110.0	RFS FD9R6004/2C-3L	6	9.028	15.257	0.50	1.11	0.000	0.000	16.93	0.00	0.00	15.60
110.0	Antel BXA-70063/6CF	1	9.028	15.257	0.66	5.00	0.000	0.000	76.33	0.00	0.00	14.90
110.0	Diamond X50A	2	9.028	15.257	0.90	2.02	0.000	0.000	30.76	0.00	0.00	4.60
110.0	Round Low Profile PI	1	9.028	15.257	1.00	21.70	0.000	0.000	331.07	0.00	0.00	1,500.00
110.0	Powerwave P65-16-	2	9.028	15.257	0.65	10.57	0.000	0.000	161.25	0.00	0.00	66.00
120.0	48" x 8" Panels	12	9.255	15.641	0.67	29.02	0.000	0.000	453.96	0.00	0.00	168.00
120.0	Flat Low Profile Pla	1	9.255	15.641	0.95	24.80	0.000	0.000	387.81	0.00	0.00	1,500.00
128.0	Decibel DB980F650E-	6	9.469	16.003	0.68	15.30	0.000	2.000	244.84	0.00	489.68	57.00
128.0	Flat Low Profile Pla	1	9.427	15.932	0.95	24.80	0.000	0.000	395.03	0.00	0.00	1,500.00
128.0	RFS APXVSP18-C-	3	9.469	16.003	0.69	16.60	0.000	2.000	265.66	0.00	531.33	171.00
128.0	Alcatel-Lucent 800 M	3	9.427	15.932	0.50	3.09	0.000	0.000	49.23	0.00	0.00	192.00
128.0	Alcatel-Lucent 4x40W	3	9.427	15.932	0.50	4.93	0.000	0.000	78.62	0.00	0.00	273.00
138.0	6' Dipole	1	9.711	16.411	1.00	2.22	0.000	4.000	36.43	0.00	145.73	20.00
138.0	6' FM Antenna	1	9.730	16.444	1.00	5.95	0.000	5.000	97.84	0.00	489.22	30.00
138.0	8' Omni	2	9.750	16.477	1.00	4.80	0.000	6.000	79.09	0.00	474.54	80.00
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	6' Omni	2	9.711	16.411	1.00	3.52	0.000	4.000	57.77	0.00	231.07	50.00
138.0	Flat Platform w/ Han	1	9.632	16.278	0.90	38.16	0.000	0.000	621.16	0.00	0.00	2,000.00
138.0	Andrew VHLP2.5-10W	1	9.691	16.378	1.00	8.43	0.000	3.000	138.07	0.00	414.21	47.60
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	9.765	16.503	1.00	1.38	0.000	6.800	22.77	0.00	154.87	11.50
140.0	10' Pipe	1	9.807	16.574	1.00	5.00	0.000	7.000	82.87	0.00	580.11	752.00
140.0	Flat Side Arm	1	9.672	16.345	1.00	6.30	0.000	0.000	102.97	0.00	0.00	150.00
140.0	Commscope DB589-Y	1	9.902	16.734	1.00	1.38	0.000	12.000	23.09	0.00	277.11	11.50
									6,264.76			13,422.34

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

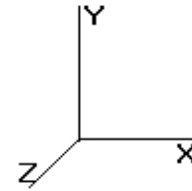
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	27.55	251.26	0.00	0.00
2.00	27.44	250.18	0.00	0.00
3.00	27.32	249.10	0.00	0.00
4.00	27.20	248.02	0.00	0.00
5.00	27.08	246.94	0.00	0.00
6.00	26.97	302.20	0.00	0.00
7.00	26.85	301.12	0.00	0.00
8.00	26.73	300.04	0.00	0.00
9.00	26.62	298.96	0.00	0.00
10.00	26.50	297.88	0.00	0.00
11.00	26.38	296.80	0.00	0.00
12.00	26.26	295.72	0.00	0.00
13.00	26.15	294.64	0.00	0.00
14.00	26.03	293.56	0.00	0.00
15.00	25.91	292.48	0.00	0.00
16.00	25.80	291.40	0.00	0.00
17.00	25.68	290.32	0.00	0.00
18.00	25.56	289.24	0.00	0.00
19.00	25.44	288.16	0.00	0.00
20.00	25.33	287.08	0.00	0.00
21.00	25.21	286.00	0.00	0.00
22.00	25.09	284.92	0.00	0.00
23.00	24.98	283.84	0.00	0.00
24.00	24.86	282.76	0.00	0.00
25.00	24.74	281.68	0.00	0.00
26.00	24.62	280.60	0.00	0.00
27.00	24.51	279.52	0.00	0.00
28.00	24.39	278.44	0.00	0.00
29.00	24.27	277.36	0.00	0.00
30.00	24.15	276.28	0.00	0.00
31.00	24.04	275.20	0.00	0.00
32.00	23.92	274.12	0.00	0.00
33.00	23.80	273.03	0.00	0.00
34.00	23.89	271.95	0.00	0.00
35.00	23.97	270.87	0.00	0.00
36.00	24.04	269.79	0.00	0.00
37.00	24.11	268.71	0.00	0.00
38.00	24.17	267.63	0.00	0.00
39.00	24.23	266.55	0.00	0.00
40.00	24.28	265.47	0.00	0.00
41.00	24.33	264.39	0.00	0.00
42.00	24.37	263.31	0.00	0.00
43.00	24.41	262.23	0.00	0.00
44.00	24.44	261.15	0.00	0.00
45.00	24.47	260.07	0.00	0.00
46.00	24.50	258.99	0.00	0.00
46.25	6.11	64.58	0.00	0.00
47.00	18.86	348.46	0.00	0.00
48.00	25.19	462.73	0.00	0.00

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

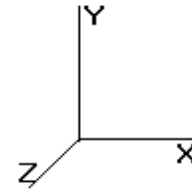
49.00	25.21	460.56	0.00	0.00
50.00	25.22	458.40	0.00	0.00
51.00	25.23	456.24	0.00	0.00
52.00	25.24	257.91	0.00	0.00
53.00	25.24	256.83	0.00	0.00
54.00	25.24	255.75	0.00	0.00
55.00	25.24	254.67	0.00	0.00
56.00	25.23	253.59	0.00	0.00
57.00	25.22	252.51	0.00	0.00
58.00	25.21	251.43	0.00	0.00
59.00	25.20	250.35	0.00	0.00
60.00	25.18	249.27	0.00	0.00
61.00	25.16	248.19	0.00	0.00
62.00	25.13	247.11	0.00	0.00
63.00	25.11	246.03	0.00	0.00
64.00	25.08	244.95	0.00	0.00
65.00	25.05	243.87	0.00	0.00
66.00	25.02	242.79	0.00	0.00
67.00	24.98	241.71	0.00	0.00
68.00	24.94	240.63	0.00	0.00
69.00	24.90	239.55	0.00	0.00
70.00	24.86	238.47	0.00	0.00
71.00	24.81	237.39	0.00	0.00
72.00	24.77	236.31	0.00	0.00
73.00	24.72	235.23	0.00	0.00
74.00	24.67	234.15	0.00	0.00
75.00	24.61	233.07	0.00	0.00
76.00	24.56	231.99	0.00	0.00
77.00	24.50	230.91	0.00	0.00
78.00	24.44	229.83	0.00	0.00
79.00	24.38	228.75	0.00	0.00
80.00	24.32	227.67	0.00	0.00
81.00	24.25	226.59	0.00	0.00
82.00	24.18	225.51	0.00	0.00
83.00	24.12	224.43	0.00	0.00
84.00	24.05	223.34	0.00	0.00
85.00	23.97	222.26	0.00	0.00
86.00	23.90	221.18	0.00	0.00
87.00	765.32	2,252.60	0.00	0.00
88.00	23.75	208.13	0.00	0.00
89.00	23.67	207.05	0.00	0.00
90.00	23.59	205.97	0.00	0.00
91.00	23.51	204.89	0.00	0.00
92.00	23.42	203.81	0.00	0.00
93.00	23.34	202.73	0.00	0.00
93.50	11.63	100.96	0.00	0.00
94.00	11.75	130.63	0.00	0.00
95.00	23.46	260.14	0.00	0.00
96.00	23.37	258.65	0.00	0.00
97.00	23.28	257.17	0.00	0.00
97.25	5.80	64.06	0.00	0.00
98.00	17.38	77.81	0.00	0.00
99.00	23.10	103.39	0.00	0.00
100.0	1,143.27	2,451.39	0.00	0.00
101.0	22.91	91.65	0.00	0.00
102.0	22.81	91.25	0.00	0.00
103.0	22.71	90.84	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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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

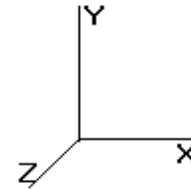
104.0	22.61	90.44	0.00	0.00
105.0	22.51	90.03	0.00	0.00
106.0	22.41	89.63	0.00	0.00
107.0	22.30	89.22	0.00	0.00
108.0	22.20	88.82	0.00	0.00
109.0	22.09	88.41	0.00	0.00
110.0	1,170.21	1,995.85	0.00	0.00
111.0	21.87	76.02	0.00	0.00
112.0	21.76	75.62	0.00	0.00
113.0	21.65	75.21	0.00	0.00
114.0	21.54	74.81	0.00	0.00
115.0	21.43	74.40	0.00	0.00
116.0	21.31	74.00	0.00	0.00
117.0	21.20	73.59	0.00	0.00
118.0	21.08	73.19	0.00	0.00
119.0	20.96	72.78	0.00	0.00
120.0	862.62	1,740.38	0.00	0.00
121.0	20.72	64.41	0.00	0.00
122.0	20.60	64.01	0.00	0.00
123.0	20.48	63.60	0.00	0.00
124.0	20.35	63.20	0.00	0.00
125.0	20.23	62.79	0.00	0.00
126.0	20.10	62.39	0.00	0.00
127.0	19.98	61.98	0.00	0.00
128.0	1,053.24	2,254.58	0.00	1,021.01
129.0	19.72	53.25	0.00	0.00
130.0	19.59	52.85	0.00	0.00
131.0	19.46	52.44	0.00	0.00
132.0	19.33	52.04	0.00	0.00
133.0	19.19	51.63	0.00	0.00
134.0	19.06	51.23	0.00	0.00
135.0	18.93	50.82	0.00	0.00
136.0	18.79	50.42	0.00	0.00
137.0	18.65	50.01	0.00	0.00
138.0	1,189.17	2,408.71	0.00	2,069.77
139.0	18.38	43.15	0.00	0.00
140.0	227.18	956.25	0.00	857.21
Totals:	9,576.84	42,360.37	0.00	3,948.00

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		

Calculated Shaft Forces and Deflections

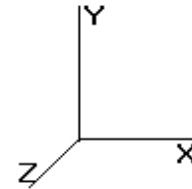
Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-9.579	-42.359	0.000	0.000	0.000	-990.652	0.000	0.000	0.000	0.000
1.00	-9.562	-42.106	0.000	0.000	0.000	-981.073	-0.002	0.000	0.002	-0.014
2.00	-9.544	-41.853	0.000	0.000	0.000	-971.512	-0.006	0.000	0.006	-0.028
3.00	-9.527	-41.602	0.000	0.000	0.000	-961.968	-0.013	0.000	0.013	-0.042
4.00	-9.509	-41.351	0.000	0.000	0.000	-952.441	-0.024	0.000	0.024	-0.055
5.00	-9.492	-41.102	0.000	0.000	0.000	-942.932	-0.037	0.000	0.037	-0.069
6.00	-9.475	-40.798	0.000	0.000	0.000	-933.440	-0.053	0.000	0.053	-0.083
7.00	-9.457	-40.494	0.000	0.000	0.000	-923.966	-0.072	0.000	0.072	-0.097
8.00	-9.440	-40.192	0.000	0.000	0.000	-914.509	-0.094	0.000	0.094	-0.112
9.00	-9.423	-39.891	0.000	0.000	0.000	-905.069	-0.119	0.000	0.119	-0.126
10.00	-9.405	-39.591	0.000	0.000	0.000	-895.646	-0.147	0.000	0.147	-0.140
11.00	-9.388	-39.292	0.000	0.000	0.000	-886.241	-0.178	0.000	0.178	-0.154
12.00	-9.370	-38.994	0.000	0.000	0.000	-876.854	-0.212	0.000	0.212	-0.168
13.00	-9.353	-38.697	0.000	0.000	0.000	-867.484	-0.249	0.000	0.249	-0.183
14.00	-9.336	-38.401	0.000	0.000	0.000	-858.131	-0.288	0.000	0.288	-0.197
15.00	-9.318	-38.106	0.000	0.000	0.000	-848.795	-0.331	0.000	0.331	-0.211
16.00	-9.301	-37.812	0.000	0.000	0.000	-839.477	-0.377	0.000	0.377	-0.226
17.00	-9.284	-37.520	0.000	0.000	0.000	-830.176	-0.426	0.000	0.426	-0.240
18.00	-9.266	-37.228	0.000	0.000	0.000	-820.893	-0.478	0.000	0.478	-0.255
19.00	-9.249	-36.938	0.000	0.000	0.000	-811.627	-0.533	0.000	0.533	-0.269
20.00	-9.231	-36.649	0.000	0.000	0.000	-802.378	-0.591	0.000	0.591	-0.284
21.00	-9.214	-36.361	0.000	0.000	0.000	-793.147	-0.652	0.000	0.652	-0.299
22.00	-9.197	-36.073	0.000	0.000	0.000	-783.933	-0.716	0.000	0.716	-0.313
23.00	-9.179	-35.787	0.000	0.000	0.000	-774.737	-0.784	0.000	0.784	-0.328
24.00	-9.162	-35.502	0.000	0.000	0.000	-765.558	-0.854	0.000	0.854	-0.343
25.00	-9.145	-35.218	0.000	0.000	0.000	-756.396	-0.927	0.000	0.927	-0.357
26.00	-9.127	-34.936	0.000	0.000	0.000	-747.251	-1.004	0.000	1.004	-0.372
27.00	-9.110	-34.654	0.000	0.000	0.000	-738.125	-1.084	0.000	1.084	-0.387
28.00	-9.092	-34.373	0.000	0.000	0.000	-729.015	-1.166	0.000	1.166	-0.402
29.00	-9.075	-34.094	0.000	0.000	0.000	-719.923	-1.252	0.000	1.252	-0.417
30.00	-9.058	-33.815	0.000	0.000	0.000	-710.848	-1.341	0.000	1.341	-0.432
31.00	-9.040	-33.538	0.000	0.000	0.000	-701.790	-1.433	0.000	1.433	-0.447
32.00	-9.023	-33.262	0.000	0.000	0.000	-692.750	-1.528	0.000	1.528	-0.462
33.00	-9.006	-32.987	0.000	0.000	0.000	-683.728	-1.627	0.000	1.627	-0.477
34.00	-8.988	-32.712	0.000	0.000	0.000	-674.723	-1.728	0.000	1.728	-0.492
35.00	-8.970	-32.439	0.000	0.000	0.000	-665.735	-1.833	0.000	1.833	-0.507
36.00	-8.952	-32.168	0.000	0.000	0.000	-656.765	-1.941	0.000	1.941	-0.522
37.00	-8.934	-31.897	0.000	0.000	0.000	-647.813	-2.052	0.000	2.052	-0.537
38.00	-8.916	-31.627	0.000	0.000	0.000	-638.879	-2.166	0.000	2.166	-0.552
39.00	-8.897	-31.358	0.000	0.000	0.000	-629.964	-2.283	0.000	2.283	-0.567
40.00	-8.878	-31.091	0.000	0.000	0.000	-621.067	-2.403	0.000	2.403	-0.582
41.00	-8.860	-30.824	0.000	0.000	0.000	-612.189	-2.527	0.000	2.527	-0.597
42.00	-8.840	-30.559	0.000	0.000	0.000	-603.330	-2.654	0.000	2.654	-0.613
43.00	-8.821	-30.295	0.000	0.000	0.000	-594.490	-2.784	0.000	2.784	-0.628
44.00	-8.802	-30.031	0.000	0.000	0.000	-585.668	-2.917	0.000	2.917	-0.643
45.00	-8.782	-29.769	0.000	0.000	0.000	-576.867	-3.053	0.000	3.053	-0.658
46.00	-8.760	-29.509	0.000	0.000	0.000	-568.085	-3.193	0.000	3.193	-0.673
46.25	-8.757	-29.443	0.000	0.000	0.000	-565.895	-3.228	0.000	3.228	-0.677
47.00	-8.741	-29.093	0.000	0.000	0.000	-559.327	-3.336	0.000	3.336	-0.689
48.00	-8.718	-28.628	0.000	0.000	0.000	-550.587	-3.482	0.000	3.482	-0.704
49.00	-8.694	-28.166	0.000	0.000	0.000	-541.870	-3.631	0.000	3.631	-0.719

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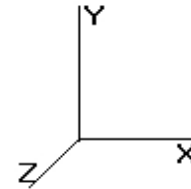
50.00	-8.670	-27.706	0.000	0.000	0.000	-533.176	-3.783	0.000	3.783	-0.735
51.00	-8.647	-27.247	0.000	0.000	0.000	-524.505	-3.939	0.000	3.939	-0.750
52.00	-8.625	-26.988	0.000	0.000	0.000	-515.859	-4.098	0.000	4.098	-0.765
53.00	-8.603	-26.729	0.000	0.000	0.000	-507.235	-4.260	0.000	4.260	-0.779
54.00	-8.580	-26.472	0.000	0.000	0.000	-498.632	-4.424	0.000	4.424	-0.793
55.00	-8.558	-26.215	0.000	0.000	0.000	-490.052	-4.592	0.000	4.592	-0.807
56.00	-8.536	-25.960	0.000	0.000	0.000	-481.494	-4.763	0.000	4.763	-0.821
57.00	-8.513	-25.706	0.000	0.000	0.000	-472.959	-4.936	0.000	4.936	-0.835
58.00	-8.490	-25.453	0.000	0.000	0.000	-464.446	-5.113	0.000	5.113	-0.849
59.00	-8.468	-25.201	0.000	0.000	0.000	-455.956	-5.292	0.000	5.292	-0.863
60.00	-8.445	-24.950	0.000	0.000	0.000	-447.488	-5.475	0.000	5.475	-0.877
61.00	-8.422	-24.700	0.000	0.000	0.000	-439.044	-5.660	0.000	5.660	-0.891
62.00	-8.399	-24.451	0.000	0.000	0.000	-430.622	-5.848	0.000	5.848	-0.905
63.00	-8.375	-24.204	0.000	0.000	0.000	-422.224	-6.039	0.000	6.039	-0.919
64.00	-8.352	-23.957	0.000	0.000	0.000	-413.849	-6.233	0.000	6.233	-0.933
65.00	-8.329	-23.712	0.000	0.000	0.000	-405.497	-6.430	0.000	6.430	-0.946
66.00	-8.305	-23.467	0.000	0.000	0.000	-397.168	-6.630	0.000	6.630	-0.960
67.00	-8.282	-23.224	0.000	0.000	0.000	-388.863	-6.833	0.000	6.833	-0.974
68.00	-8.258	-22.982	0.000	0.000	0.000	-380.581	-7.038	0.000	7.038	-0.987
69.00	-8.235	-22.741	0.000	0.000	0.000	-372.323	-7.246	0.000	7.246	-1.001
70.00	-8.211	-22.501	0.000	0.000	0.000	-364.089	-7.458	0.000	7.458	-1.014
71.00	-8.187	-22.262	0.000	0.000	0.000	-355.878	-7.672	0.000	7.672	-1.028
72.00	-8.163	-22.024	0.000	0.000	0.000	-347.691	-7.888	0.000	7.888	-1.041
73.00	-8.139	-21.788	0.000	0.000	0.000	-339.528	-8.108	0.000	8.108	-1.055
74.00	-8.115	-21.552	0.000	0.000	0.000	-331.389	-8.330	0.000	8.330	-1.068
75.00	-8.091	-21.318	0.000	0.000	0.000	-323.274	-8.555	0.000	8.555	-1.081
76.00	-8.067	-21.085	0.000	0.000	0.000	-315.183	-8.783	0.000	8.783	-1.094
77.00	-8.043	-20.852	0.000	0.000	0.000	-307.116	-9.014	0.000	9.014	-1.107
78.00	-8.018	-20.621	0.000	0.000	0.000	-299.074	-9.247	0.000	9.247	-1.120
79.00	-7.994	-20.391	0.000	0.000	0.000	-291.055	-9.483	0.000	9.483	-1.132
80.00	-7.970	-20.162	0.000	0.000	0.000	-283.062	-9.722	0.000	9.722	-1.145
81.00	-7.945	-19.935	0.000	0.000	0.000	-275.092	-9.963	0.000	9.963	-1.158
82.00	-7.921	-19.708	0.000	0.000	0.000	-267.147	-10.207	0.000	10.207	-1.170
83.00	-7.896	-19.482	0.000	0.000	0.000	-259.226	-10.453	0.000	10.453	-1.182
84.00	-7.872	-19.258	0.000	0.000	0.000	-251.330	-10.702	0.000	10.702	-1.194
85.00	-7.847	-19.035	0.000	0.000	0.000	-243.459	-10.954	0.000	10.954	-1.206
86.00	-7.822	-18.812	0.000	0.000	0.000	-235.612	-11.208	0.000	11.208	-1.218
87.00	-7.012	-16.575	0.000	0.000	0.000	-227.790	-11.464	0.000	11.464	-1.230
88.00	-6.987	-16.366	0.000	0.000	0.000	-220.778	-11.723	0.000	11.723	-1.241
89.00	-6.963	-16.158	0.000	0.000	0.000	-213.790	-11.985	0.000	11.985	-1.253
90.00	-6.938	-15.952	0.000	0.000	0.000	-206.828	-12.248	0.000	12.248	-1.264
91.00	-6.913	-15.746	0.000	0.000	0.000	-199.891	-12.514	0.000	12.514	-1.275
92.00	-6.888	-15.541	0.000	0.000	0.000	-192.978	-12.783	0.000	12.783	-1.286
93.00	-6.862	-15.338	0.000	0.000	0.000	-186.091	-13.053	0.000	13.053	-1.297
93.50	-6.849	-15.237	0.000	0.000	0.000	-182.660	-13.189	0.000	13.189	-1.302
94.00	-6.837	-15.106	0.000	0.000	0.000	-179.235	-13.326	0.000	13.326	-1.308
95.00	-6.810	-14.845	0.000	0.000	0.000	-172.399	-13.601	0.000	13.601	-1.318
96.00	-6.783	-14.586	0.000	0.000	0.000	-165.589	-13.878	0.000	13.878	-1.328
97.00	-6.756	-14.328	0.000	0.000	0.000	-158.806	-14.158	0.000	14.158	-1.338
97.25	-6.750	-14.264	0.000	0.000	0.000	-157.117	-14.228	0.000	14.228	-1.341
98.00	-6.735	-14.185	0.000	0.000	0.000	-152.055	-14.439	0.000	14.439	-1.348
99.00	-6.715	-14.079	0.000	0.000	0.000	-145.321	-14.724	0.000	14.724	-1.372
100.0	-5.517	-11.654	0.000	0.000	0.000	-138.606	-15.014	0.000	15.014	-1.395
101.0	-5.497	-11.561	0.000	0.000	0.000	-133.089	-15.309	0.000	15.309	-1.418
102.0	-5.476	-11.468	0.000	0.000	0.000	-127.593	-15.608	0.000	15.608	-1.440
103.0	-5.455	-11.376	0.000	0.000	0.000	-122.117	-15.913	0.000	15.913	-1.462
104.0	-5.435	-11.284	0.000	0.000	0.000	-116.662	-16.221	0.000	16.221	-1.483

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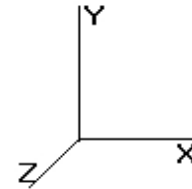
105.0	-5.414	-11.192	0.000	0.000	0.000	-111.227	-16.534	0.000	16.534	-1.503
106.0	-5.393	-11.102	0.000	0.000	0.000	-105.814	-16.851	0.000	16.851	-1.524
107.0	-5.372	-11.011	0.000	0.000	0.000	-100.421	-17.173	0.000	17.173	-1.543
108.0	-5.351	-10.921	0.000	0.000	0.000	-95.049	-17.498	0.000	17.498	-1.562
109.0	-5.330	-10.832	0.000	0.000	0.000	-89.699	-17.827	0.000	17.827	-1.580
110.0	-4.107	-8.868	0.000	0.000	0.000	-84.369	-18.161	0.000	18.161	-1.598
111.0	-4.086	-8.791	0.000	0.000	0.000	-80.262	-18.497	0.000	18.497	-1.615
112.0	-4.065	-8.715	0.000	0.000	0.000	-76.176	-18.837	0.000	18.837	-1.632
113.0	-4.043	-8.640	0.000	0.000	0.000	-72.111	-19.181	0.000	19.181	-1.648
114.0	-4.022	-8.564	0.000	0.000	0.000	-68.068	-19.528	0.000	19.528	-1.664
115.0	-4.001	-8.490	0.000	0.000	0.000	-64.047	-19.878	0.000	19.878	-1.679
116.0	-3.979	-8.415	0.000	0.000	0.000	-60.046	-20.232	0.000	20.232	-1.693
117.0	-3.958	-8.341	0.000	0.000	0.000	-56.067	-20.588	0.000	20.588	-1.707
118.0	-3.937	-8.268	0.000	0.000	0.000	-52.109	-20.947	0.000	20.947	-1.720
119.0	-3.915	-8.195	0.000	0.000	0.000	-48.173	-21.309	0.000	21.309	-1.733
120.0	-3.001	-6.481	0.000	0.000	0.000	-44.258	-21.673	0.000	21.673	-1.745
121.0	-2.980	-6.417	0.000	0.000	0.000	-41.257	-22.040	0.000	22.040	-1.756
122.0	-2.959	-6.353	0.000	0.000	0.000	-38.277	-22.409	0.000	22.409	-1.767
123.0	-2.937	-6.289	0.000	0.000	0.000	-35.318	-22.780	0.000	22.780	-1.777
124.0	-2.916	-6.226	0.000	0.000	0.000	-32.381	-23.153	0.000	23.153	-1.786
125.0	-2.895	-6.164	0.000	0.000	0.000	-29.465	-23.528	0.000	23.528	-1.795
126.0	-2.874	-6.102	0.000	0.000	0.000	-26.570	-23.905	0.000	23.905	-1.804
127.0	-2.853	-6.040	0.000	0.000	0.000	-23.696	-24.284	0.000	24.284	-1.812
128.0	-1.729	-3.820	0.000	0.000	0.000	-19.822	-24.664	0.000	24.664	-1.819
129.0	-1.708	-3.767	0.000	0.000	0.000	-18.094	-25.046	0.000	25.046	-1.825
130.0	-1.687	-3.715	0.000	0.000	0.000	-16.385	-25.429	0.000	25.429	-1.830
131.0	-1.666	-3.663	0.000	0.000	0.000	-14.698	-25.813	0.000	25.813	-1.836
132.0	-1.646	-3.611	0.000	0.000	0.000	-13.032	-26.198	0.000	26.198	-1.840
133.0	-1.625	-3.560	0.000	0.000	0.000	-11.386	-26.584	0.000	26.584	-1.845
134.0	-1.605	-3.509	0.000	0.000	0.000	-9.761	-26.970	0.000	26.970	-1.849
135.0	-1.585	-3.459	0.000	0.000	0.000	-8.156	-27.358	0.000	27.358	-1.852
136.0	-1.564	-3.409	0.000	0.000	0.000	-6.571	-27.746	0.000	27.746	-1.855
137.0	-1.544	-3.360	0.000	0.000	0.000	-5.007	-28.135	0.000	28.135	-1.857
138.0	-0.278	-0.991	0.000	0.000	0.000	-1.393	-28.524	0.000	28.524	-1.859
139.0	-0.258	-0.948	0.000	0.000	0.000	-1.115	-28.914	0.000	28.914	-1.860
140.0	-0.227	0.000	0.000	0.000	0.000	-0.857	-29.303	0.000	29.303	-1.860

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

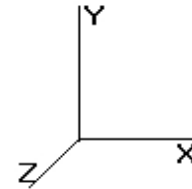
Seg Elev (ft)	Applied Stresses							Allowable Stress (Fb) (ksi)	Stress Ratio	
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)	Combined (ksi)			
0.00	0.57	0.26	0.00	0.00	0.00	13.99	14.57	52.0	0.0	0.280
1.00	0.57	0.26	0.00	0.00	0.00	13.98	14.56	52.0	0.0	0.280
2.00	0.57	0.26	0.00	0.00	0.00	13.96	14.54	52.0	0.0	0.280
3.00	0.57	0.26	0.00	0.00	0.00	13.95	14.52	52.0	0.0	0.279
4.00	0.57	0.26	0.00	0.00	0.00	13.93	14.51	52.0	0.0	0.279
5.00	0.57	0.26	0.00	0.00	0.00	13.91	14.49	52.0	0.0	0.279
6.00	0.57	0.26	0.00	0.00	0.00	13.89	14.47	52.0	0.0	0.278
7.00	0.56	0.27	0.00	0.00	0.00	13.88	14.45	52.0	0.0	0.278
8.00	0.56	0.27	0.00	0.00	0.00	13.86	14.43	52.0	0.0	0.278
9.00	0.56	0.27	0.00	0.00	0.00	13.84	14.41	52.0	0.0	0.277
10.00	0.56	0.27	0.00	0.00	0.00	13.82	14.38	52.0	0.0	0.277
11.00	0.56	0.27	0.00	0.00	0.00	13.80	14.36	52.0	0.0	0.276
12.00	0.56	0.27	0.00	0.00	0.00	13.77	14.34	52.0	0.0	0.276
13.00	0.55	0.27	0.00	0.00	0.00	13.75	14.31	52.0	0.0	0.275
14.00	0.55	0.27	0.00	0.00	0.00	13.73	14.29	52.0	0.0	0.275
15.00	0.55	0.27	0.00	0.00	0.00	13.70	14.26	52.0	0.0	0.274
16.00	0.55	0.27	0.00	0.00	0.00	13.68	14.24	52.0	0.0	0.274
17.00	0.55	0.27	0.00	0.00	0.00	13.66	14.21	52.0	0.0	0.273
18.00	0.55	0.27	0.00	0.00	0.00	13.63	14.18	52.0	0.0	0.273
19.00	0.54	0.27	0.00	0.00	0.00	13.60	14.15	52.0	0.0	0.272
20.00	0.54	0.28	0.00	0.00	0.00	13.57	14.12	52.0	0.0	0.272
21.00	0.54	0.28	0.00	0.00	0.00	13.55	14.09	52.0	0.0	0.271
22.00	0.54	0.28	0.00	0.00	0.00	13.52	14.06	52.0	0.0	0.271
23.00	0.54	0.28	0.00	0.00	0.00	13.49	14.03	52.0	0.0	0.270
24.00	0.53	0.28	0.00	0.00	0.00	13.45	14.00	52.0	0.0	0.269
25.00	0.53	0.28	0.00	0.00	0.00	13.42	13.96	52.0	0.0	0.269
26.00	0.53	0.28	0.00	0.00	0.00	13.39	13.93	52.0	0.0	0.268
27.00	0.53	0.28	0.00	0.00	0.00	13.35	13.89	52.0	0.0	0.267
28.00	0.53	0.28	0.00	0.00	0.00	13.32	13.86	52.0	0.0	0.267
29.00	0.53	0.28	0.00	0.00	0.00	13.28	13.82	52.0	0.0	0.266
30.00	0.52	0.28	0.00	0.00	0.00	13.25	13.78	52.0	0.0	0.265
31.00	0.52	0.28	0.00	0.00	0.00	13.21	13.74	52.0	0.0	0.264
32.00	0.52	0.28	0.00	0.00	0.00	13.17	13.70	52.0	0.0	0.264
33.00	0.52	0.29	0.00	0.00	0.00	13.13	13.66	52.0	0.0	0.263
34.00	0.52	0.29	0.00	0.00	0.00	13.09	13.61	52.0	0.0	0.262
35.00	0.52	0.29	0.00	0.00	0.00	13.04	13.57	52.0	0.0	0.261
36.00	0.51	0.29	0.00	0.00	0.00	13.00	13.52	52.0	0.0	0.260
37.00	0.51	0.29	0.00	0.00	0.00	12.95	13.48	52.0	0.0	0.259
38.00	0.51	0.29	0.00	0.00	0.00	12.91	13.43	52.0	0.0	0.258
39.00	0.51	0.29	0.00	0.00	0.00	12.86	13.38	52.0	0.0	0.257
40.00	0.51	0.29	0.00	0.00	0.00	12.81	13.33	52.0	0.0	0.256
41.00	0.51	0.29	0.00	0.00	0.00	12.76	13.28	52.0	0.0	0.255
42.00	0.50	0.29	0.00	0.00	0.00	12.71	13.22	52.0	0.0	0.254
43.00	0.50	0.29	0.00	0.00	0.00	12.66	13.17	52.0	0.0	0.253
44.00	0.50	0.30	0.00	0.00	0.00	12.60	13.11	52.0	0.0	0.252
45.00	0.50	0.30	0.00	0.00	0.00	12.54	13.05	52.0	0.0	0.251
46.00	0.50	0.30	0.00	0.00	0.00	12.49	12.99	52.0	0.0	0.250
46.25	0.50	0.30	0.00	0.00	0.00	12.47	12.98	52.0	0.0	0.250
47.00	0.49	0.30	0.00	0.00	0.00	12.43	12.93	52.0	0.0	0.249
48.00	0.49	0.30	0.00	0.00	0.00	12.37	12.86	52.0	0.0	0.247
49.00	0.48	0.30	0.00	0.00	0.00	12.30	12.80	52.0	0.0	0.246

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

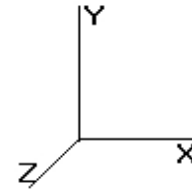
50.00	0.48	0.30	0.00	0.00	0.00	12.24	12.73	52.0	0.0	0.245
51.00	0.46	0.29	0.00	0.00	0.00	11.53	12.00	52.0	0.0	0.231
52.00	0.46	0.29	0.00	0.00	0.00	11.46	11.93	52.0	0.0	0.230
53.00	0.45	0.30	0.00	0.00	0.00	11.39	11.86	52.0	0.0	0.228
54.00	0.45	0.30	0.00	0.00	0.00	11.32	11.79	52.0	0.0	0.227
55.00	0.45	0.30	0.00	0.00	0.00	11.25	11.71	52.0	0.0	0.225
56.00	0.45	0.30	0.00	0.00	0.00	11.18	11.64	52.0	0.0	0.224
57.00	0.45	0.30	0.00	0.00	0.00	11.10	11.56	52.0	0.0	0.222
58.00	0.45	0.30	0.00	0.00	0.00	11.02	11.48	52.0	0.0	0.221
59.00	0.44	0.30	0.00	0.00	0.00	10.94	11.40	52.0	0.0	0.219
60.00	0.44	0.30	0.00	0.00	0.00	10.86	11.32	52.0	0.0	0.218
61.00	0.44	0.30	0.00	0.00	0.00	10.78	11.23	52.0	0.0	0.216
62.00	0.44	0.30	0.00	0.00	0.00	10.69	11.14	52.0	0.0	0.214
63.00	0.44	0.30	0.00	0.00	0.00	10.61	11.05	52.0	0.0	0.213
64.00	0.43	0.30	0.00	0.00	0.00	10.52	10.96	52.0	0.0	0.211
65.00	0.43	0.31	0.00	0.00	0.00	10.42	10.87	52.0	0.0	0.209
66.00	0.43	0.31	0.00	0.00	0.00	10.33	10.77	52.0	0.0	0.207
67.00	0.43	0.31	0.00	0.00	0.00	10.23	10.67	52.0	0.0	0.205
68.00	0.43	0.31	0.00	0.00	0.00	10.13	10.57	52.0	0.0	0.203
69.00	0.42	0.31	0.00	0.00	0.00	10.03	10.47	52.0	0.0	0.201
70.00	0.42	0.31	0.00	0.00	0.00	9.93	10.36	52.0	0.0	0.199
71.00	0.42	0.31	0.00	0.00	0.00	9.82	10.26	52.0	0.0	0.197
72.00	0.42	0.31	0.00	0.00	0.00	9.71	10.15	52.0	0.0	0.195
73.00	0.42	0.31	0.00	0.00	0.00	9.60	10.03	52.0	0.0	0.193
74.00	0.41	0.31	0.00	0.00	0.00	9.49	9.92	52.0	0.0	0.191
75.00	0.41	0.31	0.00	0.00	0.00	9.37	9.80	52.0	0.0	0.188
76.00	0.41	0.32	0.00	0.00	0.00	9.25	9.67	52.0	0.0	0.186
77.00	0.41	0.32	0.00	0.00	0.00	9.12	9.55	52.0	0.0	0.184
78.00	0.41	0.32	0.00	0.00	0.00	9.00	9.42	52.0	0.0	0.181
79.00	0.40	0.32	0.00	0.00	0.00	8.87	9.29	52.0	0.0	0.179
80.00	0.40	0.32	0.00	0.00	0.00	8.73	9.15	52.0	0.0	0.176
81.00	0.40	0.32	0.00	0.00	0.00	8.60	9.02	52.0	0.0	0.173
82.00	0.40	0.32	0.00	0.00	0.00	8.46	8.87	52.0	0.0	0.171
83.00	0.40	0.32	0.00	0.00	0.00	8.31	8.73	52.0	0.0	0.168
84.00	0.39	0.32	0.00	0.00	0.00	8.17	8.58	52.0	0.0	0.165
85.00	0.39	0.33	0.00	0.00	0.00	8.02	8.43	52.0	0.0	0.162
86.00	0.39	0.33	0.00	0.00	0.00	7.86	8.27	52.0	0.0	0.159
87.00	0.35	0.29	0.00	0.00	0.00	7.70	8.06	52.0	0.0	0.155
88.00	0.34	0.30	0.00	0.00	0.00	7.56	7.92	52.0	0.0	0.152
89.00	0.34	0.30	0.00	0.00	0.00	7.42	7.78	52.0	0.0	0.150
90.00	0.34	0.30	0.00	0.00	0.00	7.28	7.64	52.0	0.0	0.147
91.00	0.34	0.30	0.00	0.00	0.00	7.13	7.49	52.0	0.0	0.144
92.00	0.34	0.30	0.00	0.00	0.00	6.98	7.34	52.0	0.0	0.141
93.00	0.33	0.30	0.00	0.00	0.00	6.83	7.18	52.0	0.0	0.138
93.50	0.33	0.30	0.00	0.00	0.00	6.75	7.10	52.0	0.0	0.137
94.00	0.33	0.30	0.00	0.00	0.00	6.67	7.02	52.0	0.0	0.135
95.00	0.33	0.30	0.00	0.00	0.00	6.50	6.85	52.0	0.0	0.132
96.00	0.32	0.30	0.00	0.00	0.00	6.34	6.68	52.0	0.0	0.129
97.00	0.32	0.30	0.00	0.00	0.00	6.16	6.51	52.0	0.0	0.125
97.25	0.83	0.79	0.00	0.00	0.00	15.38	16.27	51.3	0.0	0.317
98.00	0.83	0.79	0.00	0.00	0.00	15.04	15.93	51.5	0.0	0.310
99.00	0.83	0.80	0.00	0.00	0.00	14.58	15.47	51.6	0.0	0.300
100.00	0.69	0.66	0.00	0.00	0.00	14.10	14.84	51.8	0.0	0.287
101.00	0.69	0.66	0.00	0.00	0.00	13.74	14.47	51.9	0.0	0.279
102.00	0.69	0.66	0.00	0.00	0.00	13.36	14.10	52.0	0.0	0.271
103.00	0.69	0.67	0.00	0.00	0.00	12.97	13.71	52.0	0.0	0.264
104.00	0.69	0.67	0.00	0.00	0.00	12.57	13.31	52.0	0.0	0.256

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

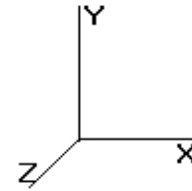
105.00	0.69	0.67	0.00	0.00	0.00	12.16	12.90	52.0	0.0	0.248
106.00	0.69	0.67	0.00	0.00	0.00	11.74	12.49	52.0	0.0	0.240
107.00	0.69	0.68	0.00	0.00	0.00	11.31	12.06	52.0	0.0	0.232
108.00	0.69	0.68	0.00	0.00	0.00	10.87	11.62	52.0	0.0	0.223
109.00	0.69	0.68	0.00	0.00	0.00	10.41	11.16	52.0	0.0	0.215
110.00	0.57	0.53	0.00	0.00	0.00	9.94	10.55	52.0	0.0	0.203
111.00	0.57	0.53	0.00	0.00	0.00	9.61	10.21	52.0	0.0	0.196
112.00	0.57	0.53	0.00	0.00	0.00	9.26	9.87	52.0	0.0	0.190
113.00	0.56	0.53	0.00	0.00	0.00	8.90	9.51	52.0	0.0	0.183
114.00	0.56	0.53	0.00	0.00	0.00	8.54	9.15	52.0	0.0	0.176
115.00	0.56	0.54	0.00	0.00	0.00	8.16	8.77	52.0	0.0	0.169
116.00	0.56	0.54	0.00	0.00	0.00	7.77	8.39	52.0	0.0	0.161
117.00	0.56	0.54	0.00	0.00	0.00	7.37	7.99	52.0	0.0	0.154
118.00	0.56	0.54	0.00	0.00	0.00	6.97	7.59	52.0	0.0	0.146
119.00	0.56	0.54	0.00	0.00	0.00	6.55	7.17	52.0	0.0	0.138
120.00	0.45	0.42	0.00	0.00	0.00	6.11	6.60	52.0	0.0	0.127
121.00	0.45	0.42	0.00	0.00	0.00	5.79	6.28	52.0	0.0	0.121
122.00	0.45	0.42	0.00	0.00	0.00	5.47	5.96	52.0	0.0	0.115
123.00	0.45	0.42	0.00	0.00	0.00	5.13	5.62	52.0	0.0	0.108
124.00	0.44	0.42	0.00	0.00	0.00	4.78	5.28	52.0	0.0	0.102
125.00	0.44	0.42	0.00	0.00	0.00	4.43	4.93	52.0	0.0	0.095
126.00	0.44	0.42	0.00	0.00	0.00	4.06	4.57	52.0	0.0	0.088
127.00	0.44	0.42	0.00	0.00	0.00	3.69	4.19	52.0	0.0	0.081
128.00	0.28	0.26	0.00	0.00	0.00	3.14	3.45	52.0	0.0	0.066
129.00	0.28	0.26	0.00	0.00	0.00	2.92	3.23	52.0	0.0	0.062
130.00	0.28	0.26	0.00	0.00	0.00	2.69	3.00	52.0	0.0	0.058
131.00	0.28	0.26	0.00	0.00	0.00	2.46	2.77	52.0	0.0	0.053
132.00	0.28	0.25	0.00	0.00	0.00	2.22	2.53	52.0	0.0	0.049
133.00	0.28	0.25	0.00	0.00	0.00	1.97	2.29	52.0	0.0	0.044
134.00	0.27	0.25	0.00	0.00	0.00	1.72	2.05	52.0	0.0	0.039
135.00	0.27	0.25	0.00	0.00	0.00	1.47	1.79	52.0	0.0	0.035
136.00	0.27	0.25	0.00	0.00	0.00	1.21	1.54	52.0	0.0	0.030
137.00	0.27	0.25	0.00	0.00	0.00	0.94	1.28	52.0	0.0	0.025
138.00	0.08	0.05	0.00	0.00	0.00	0.27	0.35	52.0	0.0	0.007
139.00	0.08	0.04	0.00	0.00	0.00	0.22	0.30	52.0	0.0	0.006
140.00	0.00	0.04	0.00	0.00	0.00	0.17	0.18	52.0	0.0	0.004

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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5/16/2014 12:59:11 PM

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Analysis Summary

Load Case	Reactions						Combined Stress (ksi)	Max Stresses		
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)		Allowable Stress (ksi)	Elev (ft)	Stress Ratio
No Ice	31.0	0.00	42.35	0.00	0.00	3206.44	50.61	51.3	97.25	0.986
Ice	26.9	0.00	49.57	0.00	0.00	2869.67	47.65	51.3	97.25	0.928
Twist/Sway	9.6	0.00	42.36	0.00	0.00	990.65	16.27	51.3	97.25	0.317

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	0.3125 in
	Allowable	2518.50 k-in
	Applied	1300.00 k-in
	Stiffeners	#

Code Rev. **F**
A.S.I. **1.33**
Moment **3206.4 k-ft**
Axial **42.4 k**

Date **5/16/2014**
Engineer **TD**
Site # **310968**
Carrier **Connecticut Light & Pow**

Bolts	#	16
	Bolt Circle	54 in
	(R)adial / (S)quare	S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	A615-75
	Fy	75 ksi
	Fu	100 ksi
	Allowable	194.86 k
Applied	179.56 k	
Reinforcement	#	0
	Extra Bolts	0

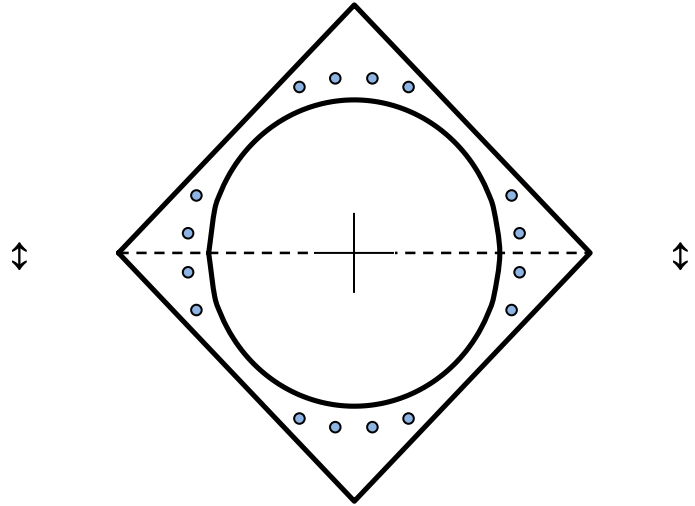
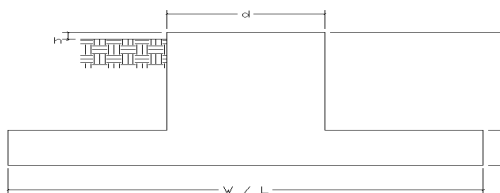


Plate Stress Ratio:
0.52 (Pass)

Bolt Stress Ratio:
0.92 (Pass)

Site Name: WSPT-Westport Rebuild CT, CT
 Site Number: 310968
 Engineering Number: 57405625
 Engineer: T. Deters
 Date: 05/16/14
 Tower Type: MP

Program Last Updated: 11/15/2012



Design Loads (Unfactored)

Design / Analysis / Mapping:

	Analysis
Compression/Leg:	42.4 k
Uplift/Leg:	0.0 k
Total Shear:	31.0 k
Moment:	3206.4 k-ft
Tower + Appurtenance Weight:	42.4 k
Depth to Base of Foundation:	7.00 ft
Diameter of Pier (d):	6.00 ft
Height of Pier above Ground (h):	0.50
Width of Pad (W):	23.00 ft
Length of Pad (L):	23.00 ft
Thickness of Pad (t):	4.00 ft
Tower Leg Center to Center:	0.00 ft
Number of Tower Legs:	1.0 (1 if MP or GT)
Tower Center from Mat Center:	0.00 ft
Depth Below Ground Surface to Water Table:	10.00 ft
Unit Weight of Concrete:	150.0 pcf
Unit Weight of Soil Above Water Table:	120.0 pcf
Unit Weight of Water:	62.4 pcf
Unit Weight of Soil Below Water Table:	60.0 pcf
Friction Angle of Uplift:	31.00 Degrees
Ultimate Coefficient of Shear Friction:	0.35
Allowable Compressive Bearing Pressure:	10000.0 psf
Ultimate Passive Pressure on Pad Face:	1500.0 psf
Allowable Capacity Increase:	1.00

Concrete Strength (f'_c):	3000 psi
Pad Tension Steel Depth:	44.00 in
Wind Load Factor:	1.3
ϕ_{Shear} :	0.75
$\phi_{\text{Flexure / Tension}}$:	0.90
$\phi_{\text{Compression}}$:	0.65
β :	0.85
Bottom Pad Rebar Size #:	9
# of Bottom Pad Rebar:	24
Pad Bottom Steel Area:	24.00 in ²
Pad Steel F_y :	60000 psi
Top Pad Rebar Size #:	9
# of Top Pad Rebar:	24
Pad Top Steel Area:	24.00 in ²
Pier Rebar Size #:	11
Pier Steel Area (Single Bar):	1.56 in ²
# of Pier Rebar:	40
Pier Steel F_y :	60000 psi
Pier Cage Diameter:	64.0 in
Rebar Strain Limit:	0.008
Steel Elastic Modulus:	29000 ksi
Tie Rebar Size #:	4
Tie Steel Area (Single Bar):	0.20 in ²
Tie Spacing:	18 in
Tie Steel F_y :	60000 psi

Overturning Factor of Safety

Design OTM:	3438.9 k-ft
OTM Resistance:	7145.6 k-ft
OTM Resistance / Design OTM Factor of Safety:	2.08 Result: OK

Soil Bearing Pressure Usage:

Net Bearing Pressure:	3101 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

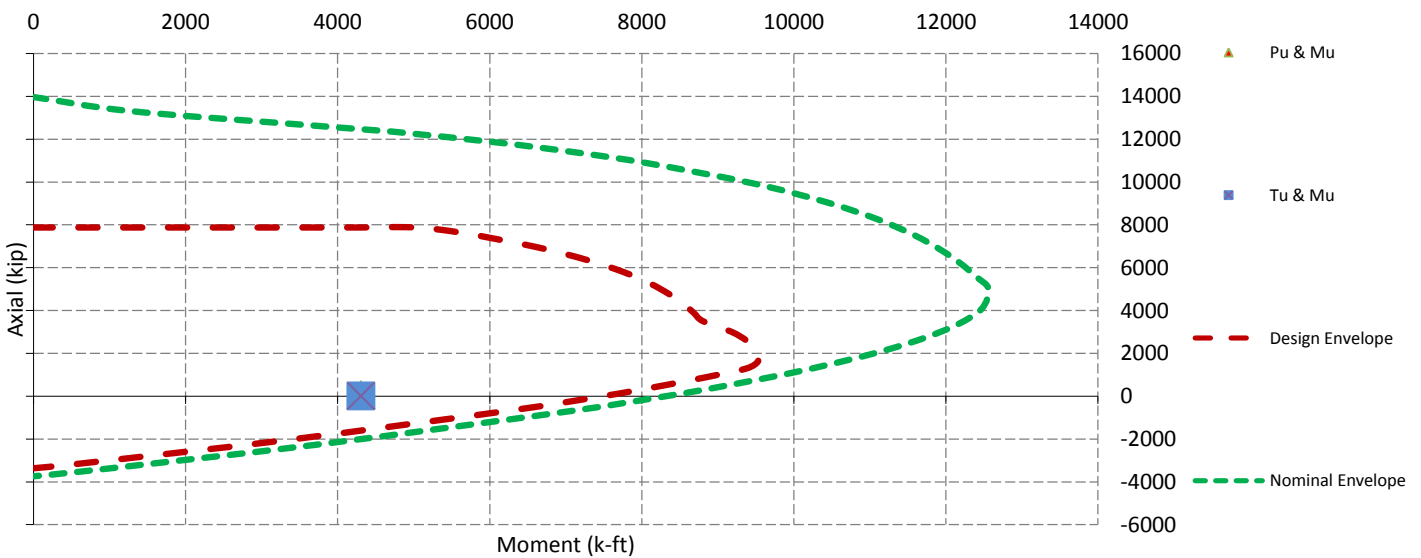
Sliding Factor of Safety

Total Ultimate Sliding Resistance:	333.6 k
Sliding Resistance/Sliding Design Factor of Safety:	10.76 Result: OK

One Way Shear, Flexural Capacity, and Punching Shear

Factored One Way Shear (V_u):	226.5 k
One Way Shear Capacity (ϕV_c):	832.6 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):	1769.7 k-ft
Lower Steel Pad Moment Capacity (ϕM_n):	4658.1 k-ft - ACI10.3
$M_u / \phi M_n$:	0.38 Result: OK
Load Direction Controlling Flexural Capacity:	Parallel to Pad Edge
Upper Steel Pad Factored Moment (M_u):	1221.1 k-ft
Upper Steel Pad Moment Capacity (ϕM_n):	4658.1 k-ft
$M_u / \phi M_n$:	0.26 Result: OK
Lower Pad Flexural Reinforcement Ratio:	0.0020 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Upper Pad Flexural Reinforcement Ratio:	0.0020 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Lower Pad Reinforcement Spacing:	12 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Upper Pad Reinforcement Spacing:	12 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Factored Punching Shear (V_u):	0.0 k
Nominal Punching Shear Capacity ($\phi_c V_n$):	2634.8 k - ACI11.12.2.1
$V_u / \phi V_c$:	0.00 Result: OK
Factored Moment in Pier (M_u):	4309.4 k-ft
Pier Moment Capacity (ϕM_n):	8789.4 k-ft
$M_u / \phi M_n$:	0.49 Result: OK
Factored Shear in Pier (V_u):	40.3 k
Pier Shear Capacity (ϕV_n):	336.2 k
$V_u / \phi V_c$:	0.12 Result: OK
Pier Shear Reinforcement Ratio:	0.0005 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):	55.1 k
Pier Compression Capacity (ϕP_n):	5316.1 k - ACI10.3.6.2
$P_u / \phi P_n$:	0.01 Result: OK
Pier Compression Reinforcement Ratio:	0.015 OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4
$M_u / \phi_B M_n + T_u / \phi_T T_n$:	0.49 Result: OK

Nominal and Design Moment Capacity and Factored Design Loads



Attachment 4



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**Northeast
Utilities**

RADIO FREQUENCY EXPOSURE REPORT

WESTPORT BAYBERRY LANE

**180 BAYBERRY LANE
WESTPORT, CT 06880**

March 14, 2014

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1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed addition of 900 MHz equipment by Northeast Utilities to the existing monopole tower located at 180 Bayberry Lane in Westport, CT. WWPT-FM, the Town of Westport, Sprint, Nextel, Verizon Wireless, AT&T, T-Mobile, EnerTrac and the Westport Astronomical Society all have antennas mounted on the tower. Figure 1 below is a view of the existing facility.



Figure 1: View of Westport Bayberry Lane

Site Address	180 Bayberry Lane, Westport, CT
Latitude	41° 10' 17.89" N
Longitude	73° 19' 43.01" W
Site Elevation AMSL	245'
Name of Individual Conducting Survey	Evan Thibodeau
Date and Time of Survey	3/13/2014; 12:00PM - 2:00PM

Table 1: Site Specific Data

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/cm²). 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 provided they are fully aware of the potential for exposure, and are able to exercise control over their exposure. General population/uncontrolled limits are five times more stringent than the levels considered 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. Tower Compound & Posted Signage

The fenced tower compound is shown below, along with all signage posted on the compound access gate. The signage identifies this site as owned by American Tower (Site # 310968 – “WSPT – Westport”).



Figure 2: Tower Compound



Figure 3: Signage Posted on Compound Gate

4. Proposed Antenna Inventory

Table 2 below details the proposed antenna information for Northeast Utilities.

Operator	TX Freq. (MHz)	Ant. Gain (dBd)	Power ERP (Watts)	Antenna Model	Beam Width	Length (ft)	Antenna Centerline Height (ft)
NU	937.7	9.0	240	DB589-Y	360	9	150

Table 2: Proposed Antenna Information¹

5. Nearby RF Sources

At the time of the survey, no other nearby RF sources were identified that would significantly contribute to the measurements recorded in the area of this facility.

¹ Transmit power assumes 0 dB of cable loss.

6. Measurement Procedure

Frequencies from 300 KHz to 50 GHz were measured using the Narda Probe EA 5091, E-Field, shaped, FCC probe in conjunction with the NBM550 survey meter. The EA 5091 probe is “shaped” such that in a mixed signal environment (i.e.: more than one frequency band is used in a particular location), it accurately measures the percent of MPE.

From FCC OET Bulletin No. 65 - Edition 97-01 – “A useful characteristic of broadband probes used in multiple-frequency RF environments is a frequency-dependent response that corresponds to the variation in MPE limits with frequency. Broadband probes having such a “shaped” response permit direct assessment of compliance at sites where RF fields result from antennas transmitting over a wide range of frequencies. Such probes can express the composite RF field as a percentage of the applicable MPEs”.

Probe Description - As suggested in FCC OET Bulletin No. 65 - Edition 97-01, the response of the measurement instrument should be essentially isotropic, (i.e., independent of orientation or rotation angle of the probe). For this reason, the Narda EA 5091 probe was used for these measurements.

Sampling Description - At each measurement location, a spatially averaged measurement is collected over the height of an average human body. The NBM550 survey meter performs a time average measurement while the user slowly moves the probe over a distance range of 20 cm to 200 cm (about 6 feet) above ground level. The results recorded at each measurement location include average values over the spatial distance.

Instrumentation Information - A summary of specifications for the equipment used is provided in the table below.

Manufacturer	Narda Microwave			
Probe	EA 5091, Serial# 01059			
Calibration Date	February 2013			
Calibration Interval	24 Months			
Meter	NBM550, Serial# B-0495			
Calibration Date	January 2013			
Calibration Interval	24 Months			
Probe Specifications	Frequency Range	Field Measured	Standard	Measurement Range
	300 KHz-50 GHz	Electric Field	U.S. FCC 1997 Occupational/Controlled	0.2 – 600 % of Standard

Table 3: Instrumentation Information

Instrument Measurement Uncertainty - The total measurement uncertainty of the NARDA measurement probe and meter is no greater than ± 3 dB (0.5% to 6%), ± 1 dB (6% to 100%), ± 2 dB (100% to 600%). The factors which contribute to this include the probe’s frequency response deviation, calibration uncertainty, ellipse ratio, and isotropic response². Every effort is taken to reduce the overall uncertainty during measurement collection including pointing the probe directly at the likely highest source of emissions.

² For further details, please refer to Narda Safety Test Solutions NBM550 Probe Specifications, pg. 64 http://www.narda-sts.us/pdf_files/DataSheets/NBM-Probes_DataSheet.pdf

7. RF Exposure Prediction Methods

The emission field calculation results displayed in Table 4 were generated using the following formula, as outlined in FCC bulletin OET 65:

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

Where:

EIRP = Effective Isotropic Radiated Power

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

H = Horizontal Distance from antenna in meters

V = Vertical Distance from radiation center of antenna in meters

Off Beam Loss is determined by the antenna pattern

Ground reflection factor of 1.6

These calculations assume that the antenna is 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. As a result, the predicted signal levels reported below are much higher than the actual signal levels will be from the finished installation.

8. Measurement Locations & Results

Measured and calculated results and a description of each survey location are detailed in the table below. Measurements were recorded on March 13, 2014 between 12:00PM and 2:00PM. The calculated % MPE contribution from the proposed Northeast Utilities 900 MHz antenna was then added to the measured % MPE values in the “Composite % MPE” column. These calculated values incorporate the antenna pattern of the antenna model specified by Northeast Utilities to determine the “Off Beam Loss” factor shown in the power density formula from Section 7.3 All % MPE values are in reference to the FCC Uncontrolled/General Population exposure limit.

Table 4 below lists 17 measurements taken in the vicinity of the Bayberry Lane tower. The highest spatially averaged measurement was 3.21% (Average Uncontrolled/General Population) and was recorded at the intersection of Bayberry Lane and Hooper Road (Location 12).

The highest composite (measured + calculated) % MPE value is calculated to be 3.28% (Average Uncontrolled/General Population) and is calculated to also occur at Location 12, by the intersection of Bayberry Lane and Hooper Road.

Meas. Location	Location Description	Latitude	Longitude	Ground Elevation (ft)	Distance from Tower (ft)	Measured % MPE	Calculated % MPE (900MHz)	Composite % MPE
1	Tower Compound Gate	41.17157	-73.32841	245	63	< 1.00	0.06	< 1.06
2	Rolnick Observatory	41.17143	-73.32814	254	151	< 1.00	0.11	< 1.11
3	Rolnick Observatory	41.17106	-73.32794	254	280	< 1.00	0.02	< 1.02
4	Rolnick Observatory	41.17129	-73.32763	256	298	< 1.00	0.02	< 1.02
5	Town of Westport - Yard Waste Facility	41.17142	-73.32891	232	114	< 1.00	0.14	< 1.14
6	Town of Westport - Yard Waste Facility	41.17126	-73.32947	221	272	2.32	0.02	2.34
7	Westport Weston Health District	41.17098	-73.32978	214	400	2.10	0.03	2.13
8	End of Tower Access Road	41.17094	-73.33041	205	555	1.16	0.11	1.27
9	Bayberry Lane & Highland Road	41.17269	-73.33160	209	907	3.08	0.13	3.21
10	19/20 Highland Road	41.17405	-73.32705	231	982	< 1.00	0.11	< 1.11
11	40 Highland Road	41.17473	-73.32961	245	1164	< 1.00	0.08	< 1.08
12	Bayberry Lane & Hooper Road	41.17353	-73.33246	210	1263	3.21	0.07	3.28
13	Bayberry Lane & Vineyard Lane	41.17030	-73.33008	205	634	1.73	0.17	1.90
14	17 Vineyard Lane	41.16879	-73.33271	206	1532	< 1.00	0.05	< 1.05
15	Bayberry Lane & James Lane	41.16844	-73.32875	217	1168	< 1.00	0.08	< 1.08
16	5 Tower Ridge	41.16991	-73.32791	241	660	1.55	0.18	1.72
17	9 Primrose Lane	41.17194	-73.32465	235	1095	2.92	0.09	3.01

Table 4: Measurement Values^{4 5}

³ Calculated values utilize the actual antenna pattern to determine the off-beam loss factor for each measurement location. See Attachment C for the specifications and pattern of the antenna used in this analysis.

⁴ Due to measurement uncertainty at low levels, any readings < 1.00% FCC General Population/Uncontrolled MPE are listed as such. See Table 3 for the measurement range of the probe.

⁵ For all % MPE calculations in Table 4, the difference between the ground elevation at the tower and at the specific measurement point was included in the antenna centerline height, and is based upon estimates from Google Earth™. The ground elevation of the tower is 245’.

Figure 4 below is an aerial view of the Bayberry Lane tower and the surrounding area. Labeled points indicate the locations of measurements recorded on March 13, 2014 between 12:00PM and 2:00PM. Descriptions for each measurement location are included in Table 4.



Figure 4: Aerial View of Tower & Measurement Locations

9. Summary of Findings

A number of publicly accessible areas around the tower located at 180 Bayberry Lane in Westport, CT were surveyed and found to be well within the mandated Uncontrolled/General Population limit for Maximum Permissible Exposure, as delineated in the Federal Communications Commission's Radio Frequency exposure rules published in 47 CFR 1.1307(b)(1)-(b)(3).


The highest spatially averaged measurement in publicly accessible areas was **3.21%** (Average Uncontrolled/General Population MPE) and was recorded at the intersection of Bayberry Lane and Hooper Road. This measurement location is approximately 210' northwest of the tower.

Adding the calculated contribution of Northeast Utilities' proposed 900MHz antenna to each measured value, results in a maximum spatially averaged power density of **3.28%** (Average Uncontrolled/General Population MPE). This is a **0.07%** increase over the highest measured percent of MPE. This maximum occurs at measurement Location 12 and is well below the mandated Uncontrolled/General Population limit for Maximum Permissible Exposure.

The above analysis concludes that the power density levels at ground level do not exceed the Maximum Permissible Exposure limit, as outlined by the FCC in the OET Bulletin 65 Ed. 97-01.

10. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate.



Daniel L. Goulet
C Squared Systems, LLC

March 14, 2014

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 Exposure⁶

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 Exposure⁷

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 5: FCC Limits for Maximum Permissible Exposure

⁶ 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.

⁷ 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.

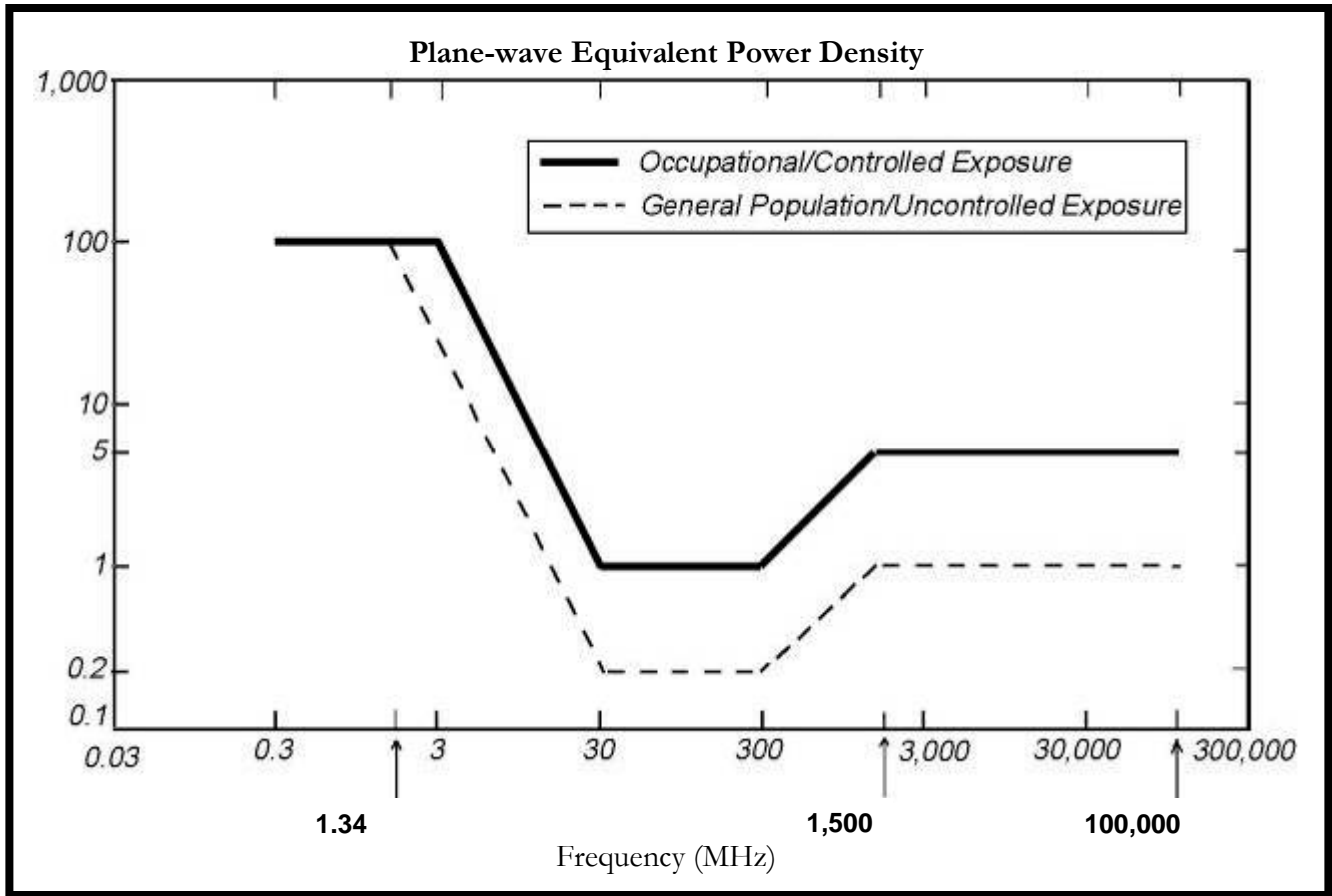


Figure 5: Graph of FCC Limits for Maximum Permissible Exposure (MPE)

Attachment C: Antenna Model Data Sheet and Electrical Pattern

900 MHz

Manufacturer: Commscope
Model #: DB589-Y
Frequency Band: 890-960 MHz
Gain: 9.0 dBd
Vertical Beamwidth: 9°
Horizontal Beamwidth: 360°
Polarization: Vertical
Length: 110"

