

January 26, 2015

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

Re: **Notice of Exempt Modification – Facility Modification
668 Jones Hill Road, West Haven, Connecticut**

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains twelve (12) antennas at the 134-foot level of the existing 149-foot tower at 668 Jones Hill Road in West Haven (the “Property”). The tower is owned by American Tower Corporation. Cellco’s shared use of this tower was approved by the Council in 2008. Cellco now intends to modify its facility by replacing three (3) of its existing antennas with three (3) model LNX-6514DS-VTM, 700 MHz antennas at the same 134-foot level on the tower. Included in Attachment 1 are specifications for Cellco’s replacement antennas.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Edward M. O’Brien, Mayor of the City of West Haven. A copy of this letter is also being sent to Robert E. Newkirk, the owner of the Property.

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

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco’s replacement antennas will be installed on its existing antenna platform at the 134-foot level of the 149-foot tower.

13375645-v1

Robinson+Cole

Melanie A. Bachman
January 26, 2015
Page 2

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

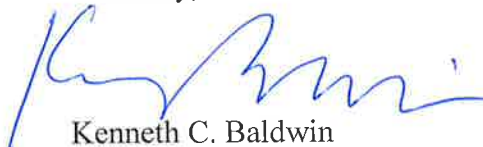
4. The operation of the replacement antennas will not increase radio frequency (RF) emissions from the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 2.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. The tower and its foundation can support Cellco's proposed modifications. (See Structural Analysis Report included in Attachment 3).

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

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

Edward M. O'Brien, West Haven Mayor

Robert E. Newkirk

Sandy M. Carter

ATTACHMENT 1

Product Specifications

COMMSCOPE®

LNX-6514DS-VTM

Andrew® Antenna, 698–896 MHz, 65° horizontal beamwidth, RET compatible

POWERED BY



Electrical Specifications

Frequency Band, MHz	698–806	806–896
Gain, dBi	15.7	16.3
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Horizontal Tolerance, degrees	±3	±3
Beamwidth, Vertical, degrees	12.5	11.2
Beam Tilt, degrees	0–10	0–10
USLS, typical, dB	17	18
Front-to-Back Ratio at 180°, dB	32	30
CPR at Boresight, dB	20	20
CPR at Sector, dB	10	10
Isolation, dB	30	30
VSWR Return Loss, dB	1.4 15.6	1.4 15.6
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153
Input Power per Port, maximum, watts	400	400
Polarization	±45°	±45°

Mechanical Specifications

Color Radome Material	Light gray Fiberglass, UV resistant
Connector Interface Location Quantity	7-16 DIN Female Bottom 2
Wind Loading, maximum	617.7 N @ 150 km/h 138.9 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h 149.8 mph
Antenna Dimensions, L x W x D	1847.0 mm x 301.0 mm x 181.0 mm 72.7 in x 11.9 in x 7.1 in
Net Weight	17.6 kg 38.8 lb

Model with factory installed AISG 2.0 RET LNX-6514DS-A1M



ATTACHMENT 2

Site Name: West Haven SW Tower Height: 149ft		General		Power		Density							
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total					
*T-Mobile	8	240	143	0.0338	1935	1.0000	3.38%						
*Clearwire antennas	2	153	151	0.0048	2496	1.0000	0.48%						
*Clearwire microwave dis	1	211	151	0.0033	11 GHz	1.0000	0.33%						
*Clearwire microwave dis	1	211	151	0.0033	11 GHz	1.0000	0.33%						
*MetroPCS CDMA	3	727	115	0.0593	2135	1.0000	5.93%						
*MetroPCS LTE	1	1200	115	0.0326	2130	1.0000	3.26%						
*Computer Hospital	1	100	105	0.0033	5 GHz	1.0000	0.33%						
*Computer Hospital	1	500	105	0.0163	5250	1.0000	1.63%						
*Computer Hospital	1	20	105	0.0007	5250	1.0000	0.07%						
*AT&T UMTS	1	1028	125	0.0237	880	0.5867	0.40%						
*AT&T UMTS	1	1265	125	0.0291	1900	1.0000	0.29%						
*AT&T LTE	2	1254	125	0.0577	710	0.4733	1.22%						
*AT&T LTE	1	1542	125	0.0355	880	0.5867	0.60%						
*AT&T LTE	2	1897	125	0.0873	1900	1.0000	0.87%						
*AT&T LTE	1	2179	125	0.0501	2300	1.0000	0.50%						
Verizon PCS	7	367	134	0.0514	1970	1.0000	5.14%						
Verizon Cellular	9	288	134	0.0519	869	0.5793	8.96%						
Verizon AWS	1	1832	134	0.0367	2145	1.0000	3.67%						
Verizon 700	1	1074	134	0.0215	746	0.4973	4.32%						41.73%
* Source: Siting Council													

ATTACHMENT 3



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 149 ft Monopole
ATC Site Name : West Haven & Rt 162 CT, CT
ATC Site Number : 243036
Engineering Number : 60842722
Proposed Carrier : Verizon Wireless
Carrier Site Name : West Haven SW, CT
Carrier Site Number : 174831
Site Location : 668 Jones Hill Road
West Haven, CT 06516-6311
41.256403,-72.972361
County : New Haven
Date : December 22, 2014
Max Usage : 93%
Result : Pass - Pending Modifications

Reviewed by:
William Garrett, PE
Chief Engineer

Christopher Clark Poe, E.I.
Structural Engineer I



Dec 22 2014 5:28 PM



Eng. Number 60842722
December 22, 2014

Table of Contents

Introduction	1
Supporting Documents	1
Analysis	1
Conclusion	1
Existing and Reserved Equipment	2
Equipment to be Removed	2
Proposed Equipment	2
Structure Usages	3
Foundations	3
Deflection, Twist, and Sway	3
Standard Conditions	4
Calculations	Attached



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 149 ft monopole to reflect the change in loading by Verizon Wireless.

Supporting Documents

Tower Drawings	Sabre Drawing #06-08204-PE, dated August 19, 2005
Foundation Drawing	Sabre Drawing #06-10095-F1, dated October 12, 2005
Geotechnical Report	EBI Project #61051509, dated July 12, 2005
Modifications	ATC Project #543052310, dated June 10, 2014 [Pending]

Analysis

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

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

Conclusion

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

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



Existing and Reserved Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
149.0	151.0	3	DragonWave Horizon Compact	Clearwire Mount	(6) 5/16" Coax (3) 1/2" Coax (1) 2" Conduit	Clearwire
		1	DragonWave A-ANT-23G-1-C			
		3	NextNet BTS-2500			
		2	DragonWave A-ANT-11G-2C			
		3	Argus LLPX310R			
143.0	143.0	3	Andrew ETW200VS12UB	Low Profile Platform	(15) 1 5/8" Coax	T-Mobile
		3	Andrew ETW190VS12UB			
		6	RFS APX16PV-16PVL-A			
134.0	134.0	6	RFS FD9R6004/2C-3L	Low Profile Platform	(12) 1 5/8" Coax (1) 1 5/8" Fiber	Verizon
		3	Antel BXA BXA-171063-12BF-EDIN			
		3	Antel BXA 185085/12CF			
		1	RFS DB-T1-6Z-8AB-OZ			
		3	Andrew DB854DG65ESX			
	132.0	3	Alcatel-Lucent RRH2x40AWS			
	125.0	125.0	6			
4			Raycap DC6-48-60-18-8F			
6			Ericsson RRUS A2			
3			Ericsson RRUS-11 1900MHz			
6			Ericsson RRUS-11 800MHz			
3			Ericsson RRUS-12 1900MHz			
3			Ericsson RRUS-12 800MHz			
3			Ericsson RRUS E2 B29			
3			Ericsson RRUS-32			
12			CCI HPA-65R-BUU-H8			
115.0	115.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	Metro PCS
105.0	105.0	1	Proxim 5054-R-LR	Stand-Off	(2) 1/4" Coax (1) 2" Conduit	Computer Hospital
		1	Pacific Wireless HDDA5W-32-xx			

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
134.0	134.0	3	Antel BXA-70063/6CF_	-	-	Verizon

Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
134.0	134.0	3	Commscope LNX-6514DS-A1M	Low Profile Platform	-	Verizon

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).



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	78%	Pass
Shaft	73%	Pass
Base Plate	93%	Pass
Reinforcement	76%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	3,443.6
Axial (Kips)	47.5
Shear (Kips)	32.2

The structure base reactions resulting from this analysis were found to be acceptable through analysis based on geotechnical and foundation information, therefore no modification or reinforcement of the foundation will be required.

Deflection and Sway*

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
134.0	1.723	1.470

*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.

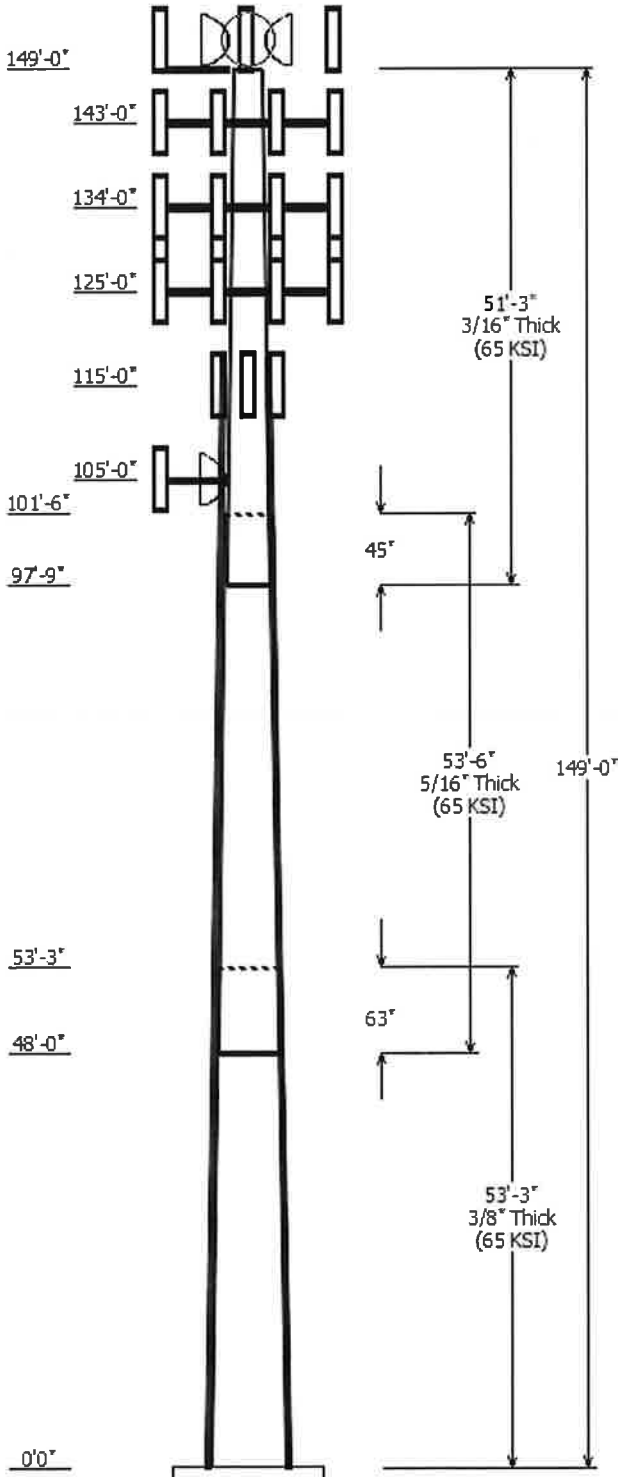
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

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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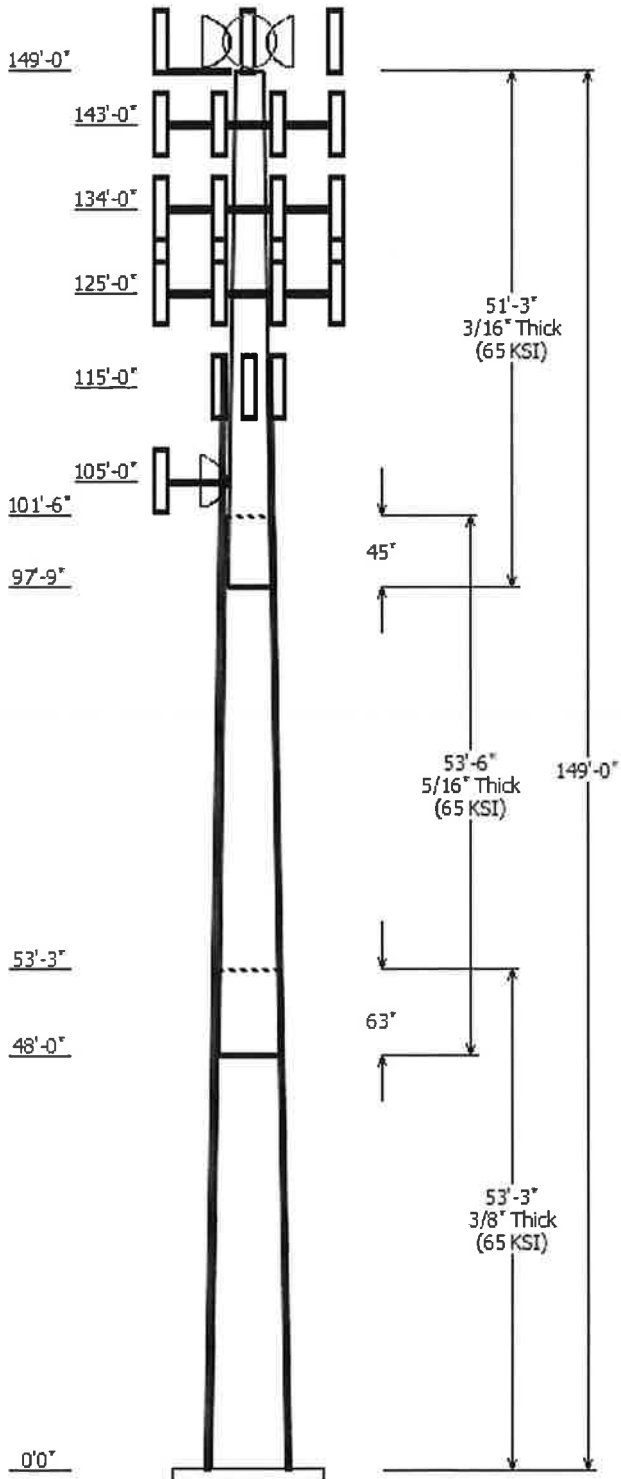


Job Information	
Pole : 243036	Code: TIA/EIA-222 Rev F
Description : Tower Model Verified: 12/13/2012	
Client : Verizon Wireless	
Location : West Haven & Rt 162 CT, CT	
Shape : 18 Sides	
Height : 149.00 (ft)	
Base Elev (ft): 0.00	
Taper: 0.23496/(in/ft)	

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)			Thick Joint (in)	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Top	Bottom	Across Flats				
1	53.250	39.49	52.01	0.375		0.000	0.234965	65
2	53.500	28.78	41.35	0.313	Slip Joint	63.000	0.234965	65
3	51.250	18.00	30.04	0.188	Slip Joint	45.000	0.234965	65

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
149.000	151.000	1	DragonWave A-ANT-23G-1-C
149.000	151.000	3	DragonWave Horizon Compact
149.000	151.000	3	Argus LLPX310R
149.000	151.000	3	NextNet BTS-2500
149.000	151.000	2	DragonWave A-ANT-11G-2C
149.000	149.000	1	Clearwire Mount
143.000	143.000	3	Andrew ETW200VS12UB
143.000	143.000	3	Andrew ETW190VS12UB
143.000	143.000	6	RFS APX16PV-16PVL-A
143.000	143.000	1	Flat Low Profile Platform
134.000	134.000	3	Commscope LNX-6514DS-A1M
134.000	134.000	1	RFS DB-T1-6Z-8AB-0Z
134.000	134.000	3	Antel BXA BXA-171063-12BF-
134.000	132.000	3	Alcatel-Lucent RRH2x40AWS
134.000	134.000	3	Antel BXA 185085/12CF
134.000	134.000	6	RFS FD9R6004/2C-3L
134.000	134.000	1	Round Low Profile Platform
134.000	134.000	3	Andrew DB854DG65ESX
125.000	125.000	12	CCI HPA-65R-BUU-H8
125.000	125.000	3	Ericsson RRUS-32
125.000	125.000	3	Ericsson RRUS E2 B29
125.000	125.000	3	Ericsson RRUS-12 1900 MHz
125.000	125.000	3	Ericsson RRUS-12 800 MHz
125.000	125.000	3	Ericsson RRUS-11 1900 MHz
125.000	125.000	6	Ericsson RRUS-11 800 MHz
125.000	125.000	6	Ericsson RRUS A2
125.000	125.000	1	Flat Low Profile Platform
125.000	125.000	6	14" x 9" TTA
125.000	125.000	4	Raycap DC6-48-60-18-8F
115.000	115.000	3	RFS APXV 18-206517S-C
105.000	105.000	1	Proxim 5054-R-LR
105.000	105.000	1	Pacific Wireless HDDA5W-32-xx
105.000	105.000	1	Stand-Off

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
4.000	125.0	0.53" Hybrid Cable	No
4.000	125.0	0.76" 8 AWG 6	No
4.000	125.0	1 5/8" Coax	No
4.000	125.0	3/8" Coax	No
4.000	134.0	1 5/8" Coax	No

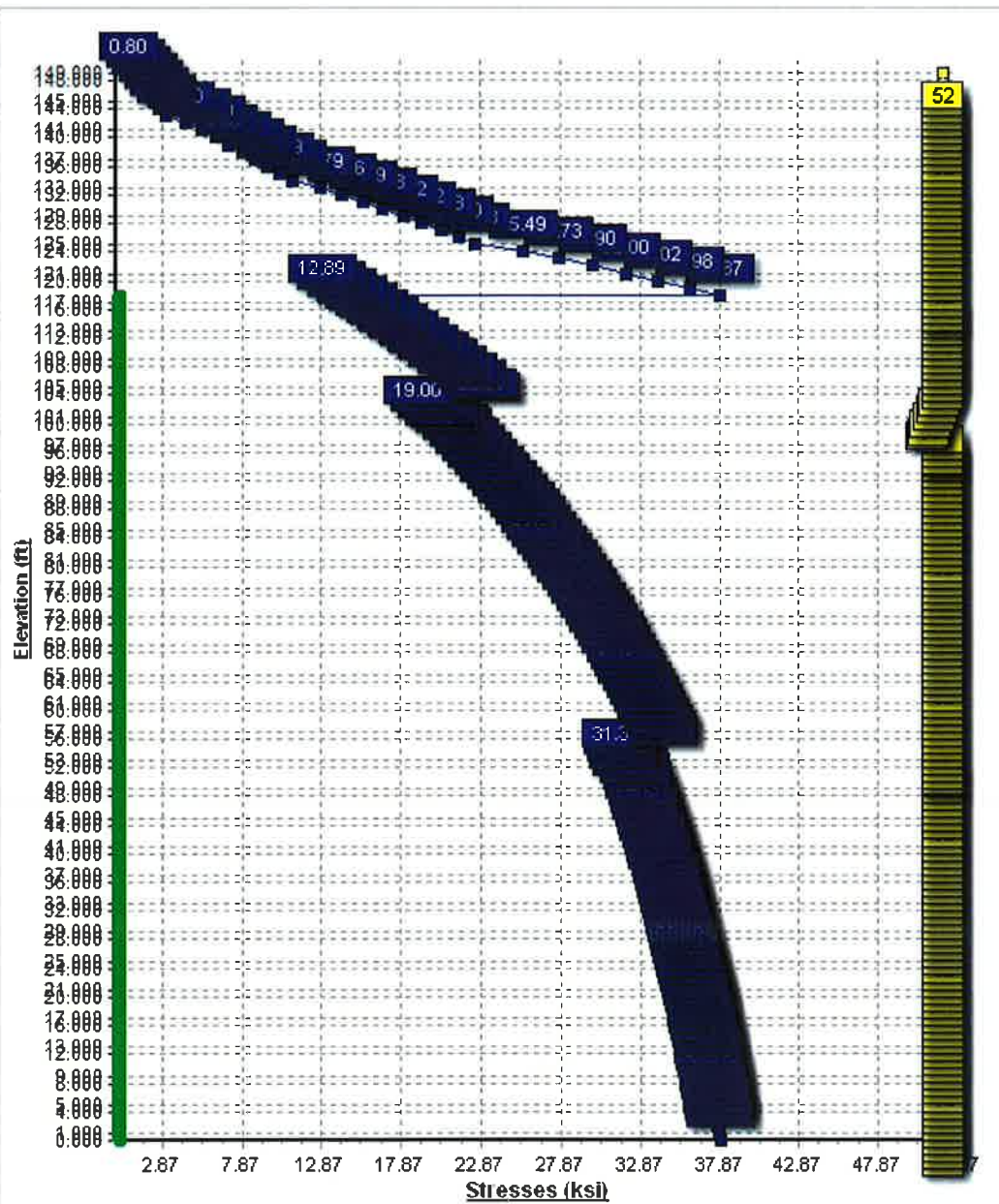


4.000	134.0	1 5/8" Fiber	No
4.000	143.0	1 5/8" Coax	No
4.000	149.0	1/2" Coax	No
4.000	149.0	2" Conduit	No
4.000	149.0	5/16" Coax	No
4.000	105.0	1/4" Coax	No
4.000	105.0	2" Conduit	No
4.000	115.0	1 5/8" Coax	No
0.000	122.5	Dywidag	Yes

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

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
No Ice	3443.57	32.23	41.46
Ice	2883.44	26.46	47.52
Twist/Sway	1063.33	9.94	41.47

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
Twist/Sway	105.00	12.734	1.157
Twist/Sway	149.00	25.410	1.522
Twist/Sway	149.00	25.410	1.522



Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

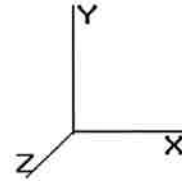
Code: TIA/EIA-222 Rev F

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Base Elev : 0.000 (ft)

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Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Slip		Weight (lb)	Bottom				Top				Taper (in/ft)				
				Joint Type	Joint Len (in)		Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)		Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio
1-18	53.250	0.3750	65		0.00	9,787	52.01	0.00	61.46	20701.4	23.04	138.69	39.49	53.25	46.56	9004.6	17.16	105.33	0.234965
2-18	53.500	0.3125	65	Slip	63.00	6,276	41.35	48.00	40.71	8664.4	21.92	132.34	28.78	101.50	28.24	2892.7	14.83	92.11	0.234965
3-18	51.250	0.1875	65	Slip	45.00	2,473	30.04	97.75	17.77	2000.6	26.84	160.22	18.00	149.00	10.60	424.9	15.52	96.00	0.234965
						Shaft Weight	18,536												

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			
149.00	Argus LLPX310R	3	28.60	4.830	0.62	54.50	5.360	0.62	0.000	2.000	
149.00	Clearwire Mount	1	500.00	8.500	0.90	50.00	10.500	0.90	0.000	0.000	
149.00	DragonWave A-ANT-11G-2C	2	27.00	4.690	0.90	55.10	5.050	0.90	0.000	2.000	
149.00	DragonWave A-ANT-23G-1-C	1	15.00	1.610	0.90	25.10	1.830	0.90	0.000	2.000	
149.00	DragonWave Horizon	3	10.60	0.430	0.33	17.00	0.580	0.33	0.000	2.000	
149.00	NextNet BTS-2500	3	35.00	2.120	0.33	48.30	2.430	0.33	0.000	2.000	
143.00	Andrew ETW190VS12UB	3	11.00	0.760	0.33	16.30	0.760	0.33	0.000	0.000	
143.00	Andrew ETW200VS12UB	3	11.00	0.470	0.33	14.52	0.620	0.33	0.000	0.000	
143.00	Flat Low Profile Platform	1	1500.00	26.100	1.00	1,700.00	31.600	1.00	0.000	0.000	
143.00	RFS APX16PV-16PVL-A	6	39.60	6.650	0.59	70.65	7.298	0.59	0.000	0.000	
134.00	Alcatel-Lucent RRH2x40AWS	3	44.00	2.520	0.50	61.40	2.870	0.50	0.000	-2.000	
134.00	Andrew DB854DG65ESX	3	18.50	5.830	0.63	52.21	6.497	0.63	0.000	0.000	
134.00	Antel BXA 185085/12CF	3	13.00	4.790	0.72	40.46	5.470	0.72	0.000	0.000	
134.00	Antel BXA BXA-171063-12BF-	3	15.00	4.730	0.72	42.40	5.450	0.72	0.000	0.000	
134.00	Commscope LNX-6514DS-	3	38.80	8.410	0.69	89.30	9.240	0.69	0.000	0.000	
134.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	5.600	0.67	144.50	6.080	0.67	0.000	0.000	
134.00	RFS FD9R6004/2C-3L	6	3.10	0.370	0.33	5.40	0.500	0.33	0.000	0.000	
134.00	Round Low Profile Platform	1	1500.00	21.700	0.90	1,700.00	27.200	0.90	0.000	0.000	
125.00	14" x 9" TTA	6	10.00	1.230	0.33	18.00	1.460	0.33	0.000	0.000	
125.00	CCI HPA-65R-BUU-H8	12	68.00	13.290	0.66	141.77	14.350	0.66	0.000	0.000	
125.00	Ericsson RRUS A2	6	15.00	1.870	0.33	25.40	2.150	0.33	0.000	0.000	
125.00	Ericsson RRUS E2 B29	3	60.00	3.670	0.50	66.50	4.070	0.50	0.000	0.000	
125.00	Ericsson RRUS-11 1900 MHz	3	44.00	2.940	0.50	63.30	3.290	0.50	0.000	0.000	
125.00	Ericsson RRUS-11 800 MHz	6	54.00	2.940	0.50	75.64	3.290	0.50	0.000	0.000	
125.00	Ericsson RRUS-12 1900 MHz	3	60.00	3.150	0.50	81.20	3.510	0.50	0.000	0.000	
125.00	Ericsson RRUS-12 800 MHz	3	60.00	3.150	0.50	81.20	3.510	0.50	0.000	0.000	
125.00	Ericsson RRUS-32	3	77.00	3.870	0.50	104.90	4.300	0.50	0.000	0.000	
125.00	Flat Low Profile Platform	1	1500.00	26.100	0.90	1,700.00	31.600	0.90	0.000	0.000	
125.00	Raycap DC6-48-60-18-8F	4	31.80	1.470	0.50	49.50	1.670	0.50	0.000	0.000	
115.00	RFS APXV18-206517S-C	3	26.40	5.160	0.68	53.13	5.850	0.68	0.000	0.000	
105.00	Pacific Wireless HDDA5W-32-	1	22.00	12.090	1.00	57.70	12.760	1.00	0.000	0.000	
105.00	Proxim 5054-R-LR	1	6.00	1.540	0.50	10.00	2.000	0.50	0.000	0.000	
105.00	Stand-Off	1	50.00	1.000	1.00	100.00	3.000	1.00	0.000	0.000	
		Totals	105	8523.10						Number of Loadings :	33

Linear Appurtenance Properties

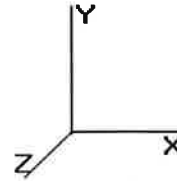
Elev From (ft)	Elev To (ft)	Description	No Ice		Ice		Exposed To Wind
			Weight (lb/ft)	CaAa (sf/ft)	Weight (lb/ft)	CaAa (sf/ft)	
4.00	149.00	(3) 1/2" Coax	0.45	0.00	0.00	0.00	N
4.00	149.00	(1) 2" Conduit	3.65	0.00	0.00	0.00	N
4.00	149.00	(6) 5/16" Coax	0.27	0.00	0.00	0.00	N

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:02 AM

Page: 2

4.00	143.00	(15) 1 5/8" Coax	12.30	0.00	0.00	0.00	N
4.00	134.00	(12) 1 5/8" Coax	9.84	0.00	0.00	0.00	N
4.00	134.00	(1) 1 5/8" Fiber	1.61	0.00	0.00	0.00	N
4.00	125.00	(2) 0.53" Hybrid Cable	0.28	0.00	0.00	0.00	N
4.00	125.00	(8) 0.76" 8 AWG 6	4.24	0.00	0.00	0.00	N
4.00	125.00	(12) 1 5/8" Coax	9.84	0.17	0.00	0.25	N
4.00	125.00	(3) 3/8" Coax	0.24	0.00	0.00	0.00	N
0.00	122.50	(4) Dywidag	0.00	0.40	0.00	0.45	Y
4.00	115.00	(6) 1 5/8" Coax	4.92	0.00	0.00	0.00	N
4.00	105.00	(2) 1/4" Coax	0.12	0.00	0.00	0.00	N
4.00	105.00	(1) 2" Conduit	3.65	0.00	0.00	0.00	N
Total Weight			6,525.34 (lb)			0.00 (lb)	

Additional Steel

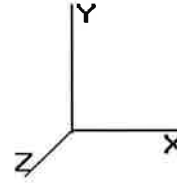
Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —		Connectors	Continuation?	
						Description	Spacing (in)			Len (in)
0.00	118.0	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	No

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
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Base Elev : 0.000 (ft)

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12/22/2014 11:58:02 AM

Page: 3

Segment Properties (Max Len : 1 ft)

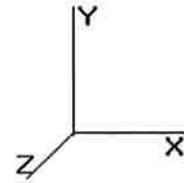
Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	Fb (ksi)	Weight (lb)	Additional Reinforcing		
											Area (in^2)	Ix (in^4)	Weight (lb)
0.00		0.3750	52.010	61.456	20,701.4	23.04	138.69	65	52	0.0	19.64	8,521	0.0
1.00		0.3750	51.775	61.176	20,420.1	22.93	138.07	65	52	208.6	19.64	8,453	66.8
2.00		0.3750	51.540	60.897	20,141.4	22.82	137.44	65	52	207.7	19.64	8,386	66.8
3.00		0.3750	51.305	60.617	19,865.1	22.71	136.81	65	52	206.7	19.64	8,319	66.8
4.00		0.3750	51.070	60.337	19,591.5	22.60	136.19	65	52	205.8	19.64	8,252	66.8
5.00		0.3750	50.835	60.058	19,320.3	22.49	135.56	65	52	204.8	19.64	8,185	66.8
6.00		0.3750	50.600	59.778	19,051.7	22.38	134.93	65	52	203.9	19.64	8,118	66.8
7.00		0.3750	50.365	59.498	18,785.5	22.27	134.31	65	52	202.9	19.64	8,052	66.8
8.00		0.3750	50.130	59.219	18,521.9	22.16	133.68	65	52	202.0	19.64	7,986	66.8
9.00		0.3750	49.895	58.939	18,260.7	22.05	133.05	65	52	201.0	19.64	7,921	66.8
10.00		0.3750	49.660	58.659	18,002.0	21.94	132.43	65	52	200.1	19.64	7,855	66.8
11.00		0.3750	49.425	58.380	17,745.8	21.83	131.80	65	52	199.1	19.64	7,790	66.8
12.00		0.3750	49.190	58.100	17,492.0	21.72	131.17	65	52	198.2	19.64	7,725	66.8
13.00		0.3750	48.955	57.820	17,240.6	21.61	130.55	65	52	197.2	19.64	7,661	66.8
14.00		0.3750	48.720	57.541	16,991.6	21.50	129.92	65	52	196.3	19.64	7,597	66.8
15.00		0.3750	48.485	57.261	16,745.1	21.39	129.29	65	52	195.3	19.64	7,533	66.8
16.00		0.3750	48.250	56.981	16,501.0	21.28	128.67	65	52	194.4	19.64	7,469	66.8
17.00		0.3750	48.015	56.702	16,259.2	21.17	128.04	65	52	193.4	19.64	7,405	66.8
18.00		0.3750	47.780	56.422	16,019.8	21.06	127.41	65	52	192.5	19.64	7,342	66.8
19.00		0.3750	47.545	56.143	15,782.8	20.95	126.79	65	52	191.5	19.64	7,279	66.8
20.00		0.3750	47.310	55.863	15,548.1	20.83	126.16	65	52	190.6	19.64	7,217	66.8
21.00		0.3750	47.075	55.583	15,315.8	20.72	125.53	65	52	189.6	19.64	7,154	66.8
22.00		0.3750	46.840	55.304	15,085.7	20.61	124.91	65	52	188.7	19.64	7,092	66.8
23.00		0.3750	46.606	55.024	14,858.0	20.50	124.28	65	52	187.7	19.64	7,030	66.8
24.00		0.3750	46.371	54.744	14,632.6	20.39	123.65	65	52	186.8	19.64	6,969	66.8
25.00		0.3750	46.136	54.465	14,409.5	20.28	123.03	65	52	185.8	19.64	6,907	66.8
26.00		0.3750	45.901	54.185	14,188.7	20.17	122.40	65	52	184.9	19.64	6,846	66.8
27.00		0.3750	45.666	53.905	13,970.1	20.06	121.78	65	52	183.9	19.64	6,786	66.8
28.00		0.3750	45.431	53.626	13,753.8	19.95	121.15	65	52	183.0	19.64	6,725	66.8
29.00		0.3750	45.196	53.346	13,539.8	19.84	120.52	65	52	182.0	19.64	6,665	66.8
30.00		0.3750	44.961	53.066	13,328.0	19.73	119.90	65	52	181.0	19.64	6,605	66.8
31.00		0.3750	44.726	52.787	13,118.4	19.62	119.27	65	52	180.1	19.64	6,545	66.8
32.00		0.3750	44.491	52.507	12,911.0	19.51	118.64	65	52	179.1	19.64	6,486	66.8
33.00		0.3750	44.256	52.227	12,705.8	19.40	118.02	65	52	178.2	19.64	6,427	66.8
34.00		0.3750	44.021	51.948	12,502.8	19.29	117.39	65	52	177.2	19.64	6,368	66.8
35.00		0.3750	43.786	51.668	12,301.9	19.18	116.76	65	52	176.3	19.64	6,309	66.8
36.00		0.3750	43.551	51.388	12,103.2	19.07	116.14	65	52	175.3	19.64	6,251	66.8
37.00		0.3750	43.316	51.109	11,906.7	18.96	115.51	65	52	174.4	19.64	6,193	66.8
38.00		0.3750	43.081	50.829	11,712.3	18.85	114.88	65	52	173.4	19.64	6,135	66.8
39.00		0.3750	42.846	50.549	11,520.1	18.74	114.26	65	52	172.5	19.64	6,078	66.8
40.00		0.3750	42.611	50.270	11,329.9	18.63	113.63	65	52	171.5	19.64	6,020	66.8
41.00		0.3750	42.376	49.990	11,141.9	18.51	113.00	65	52	170.6	19.64	5,963	66.8
42.00		0.3750	42.141	49.710	10,955.9	18.40	112.38	65	52	169.6	19.64	5,907	66.8
43.00		0.3750	41.906	49.431	10,772.1	18.29	111.75	65	52	168.7	19.64	5,850	66.8
44.00		0.3750	41.671	49.151	10,590.3	18.18	111.12	65	52	167.7	19.64	5,794	66.8
45.00		0.3750	41.436	48.871	10,410.5	18.07	110.50	65	52	166.8	19.64	5,738	66.8
46.00		0.3750	41.201	48.592	10,232.8	17.96	109.87	65	52	165.8	19.64	5,683	66.8
47.00		0.3750	40.966	48.312	10,057.2	17.85	109.24	65	52	164.9	19.64	5,627	66.8
48.00	Bot - Section 2	0.3750	40.731	48.032	9,883.5	17.74	108.62	65	52	163.9	19.64	5,572	66.8
49.00		0.3750	40.496	47.753	9,711.9	17.63	107.99	65	52	301.1	19.64	5,664	66.8
50.00		0.3750	40.261	47.473	9,542.3	17.52	107.36	65	52	299.4	19.64	5,609	66.8
51.00		0.3750	40.026	47.193	9,374.6	17.41	106.74	65	52	297.6	19.64	5,554	66.8
52.00		0.3750	39.792	46.914	9,209.0	17.30	106.11	65	52	295.9	19.64	5,499	66.8
53.00		0.3750	39.557	46.634	9,045.2	17.19	105.48	65	52	294.1	19.64	5,445	66.8
53.25	Top - Section 1	0.3125	40.123	39.485	7,906.4	21.23	128.39	65	52	73.3	19.64	5,431	16.7
54.00		0.3125	39.947	39.311	7,801.9	21.13	127.83	65	52	100.5	19.64	5,390	50.1
55.00		0.3125	39.712	39.078	7,664.0	21.00	127.08	65	52	133.4	19.64	5,336	66.8
56.00		0.3125	39.477	38.845	7,527.7	20.86	126.33	65	52	132.6	19.64	5,283	66.8

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
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12/22/2014 11:58:02 AM

Page: 4

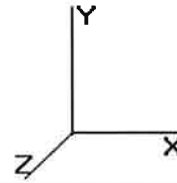
57.00	0.3125	39.242	38.611	7,393.0	20.73	125.57	65	52	131.8	19.64	5,230	66.8	
58.00	0.3125	39.007	38.378	7,259.9	20.60	124.82	65	52	131.0	19.64	5,176	66.8	
59.00	0.3125	38.772	38.145	7,128.5	20.47	124.07	65	52	130.2	19.64	5,124	66.8	
60.00	0.3125	38.537	37.912	6,998.6	20.33	123.32	65	52	129.4	19.64	5,071	66.8	
61.00	0.3125	38.302	37.679	6,870.4	20.20	122.57	65	52	128.6	19.64	5,019	66.8	
62.00	0.3125	38.067	37.446	6,743.7	20.07	121.81	65	52	127.8	19.64	4,967	66.8	
63.00	0.3125	37.832	37.213	6,618.5	19.94	121.06	65	52	127.0	19.64	4,915	66.8	
64.00	0.3125	37.597	36.980	6,495.0	19.80	120.31	65	52	126.2	19.64	4,864	66.8	
65.00	0.3125	37.362	36.747	6,372.9	19.67	119.56	65	52	125.4	19.64	4,813	66.8	
66.00	0.3125	37.127	36.514	6,252.5	19.54	118.81	65	52	124.6	19.64	4,762	66.8	
67.00	0.3125	36.892	36.281	6,133.5	19.41	118.05	65	52	123.9	19.64	4,711	66.8	
68.00	0.3125	36.657	36.048	6,016.1	19.27	117.30	65	52	123.1	19.64	4,661	66.8	
69.00	0.3125	36.422	35.815	5,900.1	19.14	116.55	65	52	122.3	19.64	4,611	66.8	
70.00	0.3125	36.187	35.582	5,785.7	19.01	115.80	65	52	121.5	19.64	4,561	66.8	
71.00	0.3125	35.952	35.349	5,672.8	18.88	115.05	65	52	120.7	19.64	4,511	66.8	
72.00	0.3125	35.717	35.116	5,561.3	18.74	114.30	65	52	119.9	19.64	4,462	66.8	
73.00	0.3125	35.482	34.883	5,451.3	18.61	113.54	65	52	119.1	19.64	4,413	66.8	
74.00	0.3125	35.247	34.650	5,342.8	18.48	112.79	65	52	118.3	19.64	4,364	66.8	
75.00	0.3125	35.012	34.417	5,235.7	18.34	112.04	65	52	117.5	19.64	4,316	66.8	
76.00	0.3125	34.777	34.184	5,130.1	18.21	111.29	65	52	116.7	19.64	4,267	66.8	
77.00	0.3125	34.542	33.951	5,025.9	18.08	110.54	65	52	115.9	19.64	4,220	66.8	
78.00	0.3125	34.307	33.717	4,923.1	17.95	109.78	65	52	115.1	19.64	4,172	66.8	
79.00	0.3125	34.072	33.484	4,821.7	17.81	109.03	65	52	114.3	19.64	4,125	66.8	
80.00	0.3125	33.837	33.251	4,721.7	17.68	108.28	65	52	113.5	19.64	4,077	66.8	
81.00	0.3125	33.603	33.018	4,623.1	17.55	107.53	65	52	112.8	19.64	4,031	66.8	
82.00	0.3125	33.368	32.785	4,525.9	17.42	106.78	65	52	112.0	19.64	3,984	66.8	
83.00	0.3125	33.133	32.552	4,430.1	17.28	106.02	65	52	111.2	19.64	3,938	66.8	
84.00	0.3125	32.898	32.319	4,335.6	17.15	105.27	65	52	110.4	19.64	3,892	66.8	
85.00	0.3125	32.663	32.086	4,242.5	17.02	104.52	65	52	109.6	19.64	3,846	66.8	
86.00	0.3125	32.428	31.853	4,150.7	16.89	103.77	65	52	108.8	19.64	3,800	66.8	
87.00	0.3125	32.193	31.620	4,060.3	16.75	103.02	65	52	108.0	19.64	3,755	66.8	
88.00	0.3125	31.958	31.387	3,971.2	16.62	102.26	65	52	107.2	19.64	3,710	66.8	
89.00	0.3125	31.723	31.154	3,883.4	16.49	101.51	65	52	106.4	19.64	3,666	66.8	
90.00	0.3125	31.488	30.921	3,796.9	16.36	100.76	65	52	105.6	19.64	3,621	66.8	
91.00	0.3125	31.253	30.688	3,711.7	16.22	100.01	65	52	104.8	19.64	3,577	66.8	
92.00	0.3125	31.018	30.455	3,627.8	16.09	99.26	65	52	104.0	19.64	3,533	66.8	
93.00	0.3125	30.783	30.222	3,545.1	15.96	98.51	65	52	103.2	19.64	3,490	66.8	
94.00	0.3125	30.548	29.989	3,463.7	15.83	97.75	65	52	102.4	19.64	3,446	66.8	
95.00	0.3125	30.313	29.756	3,383.6	15.69	97.00	65	52	101.6	19.64	3,403	66.8	
96.00	0.3125	30.078	29.523	3,304.7	15.56	96.25	65	52	100.9	19.64	3,361	66.8	
97.00	0.3125	29.843	29.290	3,227.1	15.43	95.50	65	52	100.1	19.64	3,318	66.8	
97.75	Bot - Section 3	0.3125	29.667	29.115	3,169.7	15.33	94.93	65	52	74.5	19.64	3,286	50.1
98.00		0.3125	29.608	29.057	3,150.7	15.30	94.75	65	52	39.8	19.64	3,343	16.7
99.00		0.3125	29.373	28.823	3,075.5	15.16	93.99	65	52	158.6	19.64	3,301	66.8
100.00		0.3125	29.138	28.590	3,001.5	15.03	93.24	65	52	157.3	19.64	3,259	66.8
101.00		0.3125	28.903	28.357	2,928.7	14.90	92.49	65	52	156.0	19.64	3,217	66.8
101.5	Top - Section 2	0.1875	29.161	17.242	1,828.7	26.01	155.52	65	51	77.5	19.64	3,196	33.4
102.00		0.1875	29.043	17.172	1,806.5	25.90	154.90	65	51	29.3	19.64	3,175	33.4
103.00		0.1875	28.808	17.032	1,762.8	25.68	153.64	65	51	58.2	19.64	3,134	66.8
104.00		0.1875	28.573	16.893	1,719.7	25.46	152.39	65	51	57.7	19.64	3,093	66.8
105.00		0.1875	28.338	16.753	1,677.3	25.24	151.14	65	52	57.2	19.64	3,052	66.8
106.00		0.1875	28.103	16.613	1,635.7	25.02	149.88	65	52	56.8	19.64	3,012	66.8
107.00		0.1875	27.868	16.473	1,594.7	24.80	148.63	65	52	56.3	19.64	2,972	66.8
108.00		0.1875	27.633	16.333	1,554.5	24.58	147.38	65	52	55.8	19.64	2,932	66.8
109.00		0.1875	27.399	16.193	1,514.9	24.36	146.13	65	52	55.3	19.64	2,892	66.8
110.00		0.1875	27.164	16.054	1,476.0	24.13	144.87	65	52	54.9	19.64	2,852	66.8
111.00		0.1875	26.929	15.914	1,437.7	23.91	143.62	65	52	54.4	19.64	2,813	66.8
112.00		0.1875	26.694	15.774	1,400.2	23.69	142.37	65	52	53.9	19.64	2,774	66.8
113.00		0.1875	26.459	15.634	1,363.3	23.47	141.11	65	52	53.4	19.64	2,736	66.8
114.00		0.1875	26.224	15.494	1,327.0	23.25	139.86	65	52	53.0	19.64	2,698	66.8
115.00		0.1875	25.989	15.354	1,291.4	23.03	138.61	65	52	52.5	19.64	2,659	66.8
116.00		0.1875	25.754	15.215	1,256.5	22.81	137.35	65	52	52.0	19.64	2,622	66.8
117.00		0.1875	25.519	15.075	1,222.1	22.59	136.10	65	52	51.5	19.64	2,584	66.8
118.00	Reinf. Top	0.1875	25.284	14.935	1,188.4	22.37	134.85	65	52	51.1	19.64	2,547	66.8

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:02 AM

Page: 5

119.0	0.1875	25.049	14.795	1,155.4	22.15	133.59	65	52	50.6
120.0	0.1875	24.814	14.655	1,122.9	21.92	132.34	65	52	50.1
121.0	0.1875	24.579	14.515	1,091.1	21.70	131.09	65	52	49.6
122.0	0.1875	24.344	14.376	1,059.9	21.48	129.83	65	52	49.2
123.0	0.1875	24.109	14.236	1,029.2	21.26	128.58	65	52	48.7
124.0	0.1875	23.874	14.096	999.2	21.04	127.33	65	52	48.2
125.0	0.1875	23.639	13.956	969.8	20.82	126.08	65	52	47.7
126.0	0.1875	23.404	13.816	940.9	20.60	124.82	65	52	47.3
127.0	0.1875	23.169	13.676	912.6	20.38	123.57	65	52	46.8
128.0	0.1875	22.934	13.537	884.9	20.16	122.32	65	52	46.3
129.0	0.1875	22.699	13.397	857.8	19.94	121.06	65	52	45.8
130.0	0.1875	22.464	13.257	831.2	19.71	119.81	65	52	45.3
131.0	0.1875	22.229	13.117	805.2	19.49	118.56	65	52	44.9
132.0	0.1875	21.994	12.977	779.7	19.27	117.30	65	52	44.4
133.0	0.1875	21.759	12.837	754.8	19.05	116.05	65	52	43.9
134.0	0.1875	21.524	12.698	730.4	18.83	114.80	65	52	43.4
135.0	0.1875	21.289	12.558	706.5	18.61	113.54	65	52	43.0
136.0	0.1875	21.054	12.418	683.2	18.39	112.29	65	52	42.5
137.0	0.1875	20.819	12.278	660.3	18.17	111.04	65	52	42.0
138.0	0.1875	20.585	12.138	638.0	17.95	109.78	65	52	41.5
139.0	0.1875	20.350	11.999	616.2	17.73	108.53	65	52	41.1
140.0	0.1875	20.115	11.859	594.9	17.51	107.28	65	52	40.6
141.0	0.1875	19.880	11.719	574.1	17.28	106.02	65	52	40.1
142.0	0.1875	19.645	11.579	553.8	17.06	104.77	65	52	39.6
143.0	0.1875	19.410	11.439	534.0	16.84	103.52	65	52	39.2
144.0	0.1875	19.175	11.299	514.7	16.62	102.27	65	52	38.7
145.0	0.1875	18.940	11.160	495.8	16.40	101.01	65	52	38.2
146.0	0.1875	18.705	11.020	477.4	16.18	99.76	65	52	37.7
147.0	0.1875	18.470	10.880	459.5	15.96	98.51	65	52	37.3
148.0	0.1875	18.235	10.740	442.0	15.74	97.25	65	52	36.8
149.0	0.1875	18.000	10.600	424.9	15.52	96.00	65	52	36.3

18,536.1

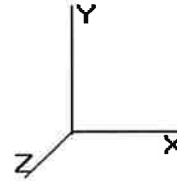
7,882.4

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
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12/22/2014 11:58:02 AM

Page: 6

Load Case: No Ice	90.00 mph Wind with No Ice	29 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Shaft Segment Forces

Seg Top Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		0.00	1.00	20.736	35.04	390.07	0.650	0.000	0.00	0.000	0.00	0.0	0.0	
1.00		0.00	1.00	20.736	35.04	388.31	0.650	0.000	1.00	4.324	2.81	98.5	0.0	275.4
2.00		0.00	1.00	20.736	35.04	386.54	0.650	0.000	1.00	4.305	2.80	98.1	0.0	274.5
3.00		0.00	1.00	20.736	35.04	384.78	0.650	0.000	1.00	4.285	2.79	97.6	0.0	273.5
4.00		0.00	1.00	20.736	35.04	383.02	0.650	0.000	1.00	4.266	2.77	97.2	0.0	272.6
5.00		0.00	1.00	20.736	35.04	381.26	0.650	0.000	1.00	4.246	2.76	96.7	0.0	271.6
6.00		0.00	1.00	20.736	35.04	379.49	0.650	0.000	1.00	4.226	2.75	96.3	0.0	270.7
7.00		0.00	1.00	20.736	35.04	377.73	0.650	0.000	1.00	4.207	2.73	95.8	0.0	269.7
8.00		0.00	1.00	20.736	35.04	375.97	0.650	0.000	1.00	4.187	2.72	95.4	0.0	268.8
9.00		0.00	1.00	20.736	35.04	374.21	0.650	0.000	1.00	4.168	2.71	94.9	0.0	267.8
10.00		0.00	1.00	20.736	35.04	372.45	0.650	0.000	1.00	4.148	2.70	94.5	0.0	266.9
11.00		0.00	1.00	20.736	35.04	370.68	0.650	0.000	1.00	4.129	2.68	94.0	0.0	265.9
12.00		0.00	1.00	20.736	35.04	368.92	0.650	0.000	1.00	4.109	2.67	93.6	0.0	265.0
13.00		0.00	1.00	20.736	35.04	367.16	0.650	0.000	1.00	4.089	2.66	93.2	0.0	264.0
14.00		0.00	1.00	20.736	35.04	365.40	0.650	0.000	1.00	4.070	2.65	92.7	0.0	263.1
15.00		0.00	1.00	20.736	35.04	363.63	0.650	0.000	1.00	4.050	2.63	92.3	0.0	262.1
16.00		0.00	1.00	20.736	35.04	361.87	0.650	0.000	1.00	4.031	2.62	91.8	0.0	261.2
17.00		0.00	1.00	20.736	35.04	360.11	0.650	0.000	1.00	4.011	2.61	91.4	0.0	260.2
18.00		0.00	1.00	20.736	35.04	358.35	0.650	0.000	1.00	3.991	2.59	90.9	0.0	259.3
19.00		0.00	1.00	20.736	35.04	356.59	0.650	0.000	1.00	3.972	2.58	90.5	0.0	258.3
20.00		0.00	1.00	20.736	35.04	354.82	0.650	0.000	1.00	3.952	2.57	90.0	0.0	257.4
21.00		0.00	1.00	20.736	35.04	353.06	0.650	0.000	1.00	3.933	2.56	89.6	0.0	256.4
22.00		0.00	1.00	20.736	35.04	351.30	0.650	0.000	1.00	3.913	2.54	89.1	0.0	255.5
23.00		0.00	1.00	20.736	35.04	349.54	0.650	0.000	1.00	3.894	2.53	88.7	0.0	254.5
24.00		0.00	1.00	20.736	35.04	347.77	0.650	0.000	1.00	3.874	2.52	88.2	0.0	253.6
25.00		0.00	1.00	20.736	35.04	346.01	0.650	0.000	1.00	3.854	2.51	87.8	0.0	252.6
26.00		0.00	1.00	20.736	35.04	344.25	0.650	0.000	1.00	3.835	2.49	87.4	0.0	251.7
27.00		0.00	1.00	20.736	35.04	342.49	0.650	0.000	1.00	3.815	2.48	86.9	0.0	250.7
28.00		0.00	1.00	20.736	35.04	340.73	0.650	0.000	1.00	3.796	2.47	86.5	0.0	249.8
29.00		0.00	1.00	20.736	35.04	338.96	0.650	0.000	1.00	3.776	2.45	86.0	0.0	248.8
30.00		0.00	1.00	20.736	35.04	337.20	0.650	0.000	1.00	3.757	2.44	85.6	0.0	247.8
31.00		0.00	1.00	20.736	35.04	335.44	0.650	0.000	1.00	3.737	2.43	85.1	0.0	246.9
32.00		0.00	1.00	20.736	35.04	333.68	0.650	0.000	1.00	3.717	2.42	84.7	0.0	245.9
33.00		0.00	1.00	20.736	35.04	331.91	0.650	0.000	1.00	3.698	2.40	84.2	0.0	245.0
34.00		0.00	1.00	20.914	35.34	331.56	0.650	0.000	1.00	3.678	2.39	84.5	0.0	244.0
35.00		0.00	1.01	21.088	35.63	331.16	0.650	0.000	1.00	3.659	2.38	84.8	0.0	243.1
36.00		0.00	1.02	21.258	35.92	330.71	0.650	0.000	1.00	3.639	2.37	85.0	0.0	242.1
37.00		0.00	1.03	21.425	36.20	330.22	0.650	0.000	1.00	3.619	2.35	85.2	0.0	241.2
38.00		0.00	1.04	21.589	36.48	329.68	0.650	0.000	1.00	3.600	2.34	85.4	0.0	240.2
39.00		0.00	1.04	21.750	36.75	329.10	0.650	0.000	1.00	3.580	2.33	85.5	0.0	239.3
40.00		0.00	1.05	21.908	37.02	328.48	0.650	0.000	1.00	3.561	2.31	85.7	0.0	238.3
41.00		0.00	1.06	22.063	37.28	327.83	0.650	0.000	1.00	3.541	2.30	85.8	0.0	237.4
42.00		0.00	1.07	22.215	37.54	327.13	0.650	0.000	1.00	3.522	2.29	85.9	0.0	236.4
43.00		0.00	1.07	22.365	37.79	326.40	0.650	0.000	1.00	3.502	2.28	86.0	0.0	235.5
44.00		0.00	1.08	22.512	38.04	325.64	0.650	0.000	1.00	3.482	2.26	86.1	0.0	234.5
45.00		0.00	1.09	22.657	38.29	324.85	0.650	0.000	1.00	3.463	2.25	86.2	0.0	233.6
46.00		0.00	1.10	22.800	38.53	324.02	0.650	0.000	1.00	3.443	2.24	86.2	0.0	232.6
47.00		0.00	1.10	22.941	38.77	323.16	0.650	0.000	1.00	3.424	2.23	86.3	0.0	231.7
48.00	Bot - Section 2	0.00	1.11	23.079	39.00	322.28	0.650	0.000	1.00	3.404	2.21	86.3	0.0	230.7
49.00		0.00	1.12	23.215	39.23	321.36	0.650	0.000	1.00	3.437	2.23	87.6	0.0	367.9
50.00		0.00	1.12	23.350	39.46	320.42	0.650	0.000	1.00	3.417	2.22	87.6	0.0	366.1

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

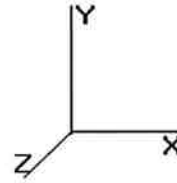
Code : TIA/EIA-222 Rev F

12/22/2014 11:58:02 AM

Page : 7

Base Elev : 0.000 (ft)

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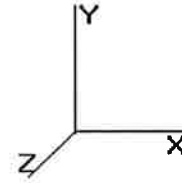
Load Case: No Ice		90.00 mph Wind with No Ice								29 Iterations				
Gust Response Factor : 1.69														
Dead Load Factor : 1.00														
Wind Load Factor : 1.00														
51.00		0.00	1.13	23.482	39.68	319.46	0.650	0.000	1.00	3.397	2.21	87.6	0.0	364.4
52.00		0.00	1.13	23.613	39.90	318.46	0.650	0.000	1.00	3.378	2.20	87.6	0.0	362.7
53.00		0.00	1.14	23.742	40.12	317.44	0.650	0.000	1.00	3.358	2.18	87.6	0.0	360.9
53.25	Top - Section 1	0.00	1.14	23.774	40.17	317.19	0.650	0.000	0.25	0.837	0.54	21.8	0.0	90.0
54.00		0.00	1.15	23.869	40.33	321.43	0.650	0.000	0.75	2.502	1.63	65.6	0.0	150.6
55.00		0.00	1.15	23.994	40.55	320.38	0.650	0.000	1.00	3.319	2.16	87.5	0.0	200.2
56.00		0.00	1.16	24.118	40.76	319.31	0.650	0.000	1.00	3.300	2.14	87.4	0.0	199.4
57.00		0.00	1.16	24.241	40.96	318.21	0.650	0.000	1.00	3.280	2.13	87.3	0.0	198.6
58.00		0.00	1.17	24.361	41.17	317.09	0.650	0.000	1.00	3.260	2.12	87.2	0.0	197.8
59.00		0.00	1.18	24.481	41.37	315.95	0.650	0.000	1.00	3.241	2.11	87.2	0.0	197.0
60.00		0.00	1.18	24.598	41.57	314.79	0.650	0.000	1.00	3.221	2.09	87.0	0.0	196.2
61.00		0.00	1.19	24.715	41.76	313.61	0.650	0.000	1.00	3.202	2.08	86.9	0.0	195.4
62.00		0.00	1.19	24.830	41.96	312.41	0.650	0.000	1.00	3.182	2.07	86.8	0.0	194.6
63.00		0.00	1.20	24.944	42.15	311.19	0.650	0.000	1.00	3.162	2.06	86.7	0.0	193.8
64.00		0.00	1.20	25.056	42.34	309.96	0.650	0.000	1.00	3.143	2.04	86.5	0.0	193.0
65.00		0.00	1.21	25.167	42.53	308.70	0.650	0.000	1.00	3.123	2.03	86.3	0.0	192.2
66.00		0.00	1.21	25.277	42.71	307.43	0.650	0.000	1.00	3.104	2.02	86.2	0.0	191.4
67.00		0.00	1.22	25.386	42.90	306.14	0.650	0.000	1.00	3.084	2.00	86.0	0.0	190.7
68.00		0.00	1.22	25.494	43.08	304.84	0.650	0.000	1.00	3.065	1.99	85.8	0.0	189.9
69.00		0.00	1.23	25.601	43.26	303.52	0.650	0.000	1.00	3.045	1.98	85.6	0.0	189.1
70.00		0.00	1.24	25.706	43.44	302.18	0.650	0.000	1.00	3.025	1.97	85.4	0.0	188.3
71.00		0.00	1.24	25.810	43.62	300.83	0.650	0.000	1.00	3.006	1.95	85.2	0.0	187.5
72.00		0.00	1.25	25.914	43.79	299.46	0.650	0.000	1.00	2.986	1.94	85.0	0.0	186.7
73.00		0.00	1.25	26.016	43.96	298.07	0.650	0.000	1.00	2.967	1.93	84.8	0.0	185.9
74.00		0.00	1.26	26.117	44.13	296.68	0.650	0.000	1.00	2.947	1.92	84.6	0.0	185.1
75.00		0.00	1.26	26.218	44.30	295.26	0.650	0.000	1.00	2.927	1.90	84.3	0.0	184.3
76.00		0.00	1.26	26.317	44.47	293.84	0.650	0.000	1.00	2.908	1.89	84.1	0.0	183.5
77.00		0.00	1.27	26.416	44.64	292.40	0.650	0.000	1.00	2.888	1.88	83.8	0.0	182.7
78.00		0.00	1.27	26.513	44.80	290.95	0.650	0.000	1.00	2.869	1.86	83.6	0.0	181.9
79.00		0.00	1.28	26.610	44.97	289.48	0.650	0.000	1.00	2.849	1.85	83.3	0.0	181.1
80.00		0.00	1.28	26.706	45.13	288.00	0.650	0.000	1.00	2.830	1.84	83.0	0.0	180.3
81.00		0.00	1.29	26.801	45.29	286.51	0.650	0.000	1.00	2.810	1.83	82.7	0.0	179.6
82.00		0.00	1.29	26.895	45.45	285.00	0.650	0.000	1.00	2.790	1.81	82.4	0.0	178.8
83.00		0.00	1.30	26.988	45.61	283.49	0.650	0.000	1.00	2.771	1.80	82.1	0.0	178.0
84.00		0.00	1.30	27.081	45.76	281.96	0.650	0.000	1.00	2.751	1.79	81.8	0.0	177.2
85.00		0.00	1.31	27.172	45.92	280.42	0.650	0.000	1.00	2.732	1.78	81.5	0.0	176.4
86.00		0.00	1.31	27.263	46.07	278.87	0.650	0.000	1.00	2.712	1.76	81.2	0.0	175.6
87.00		0.00	1.31	27.353	46.22	277.30	0.650	0.000	1.00	2.693	1.75	80.9	0.0	174.8
88.00		0.00	1.32	27.443	46.37	275.73	0.650	0.000	1.00	2.673	1.74	80.6	0.0	174.0
89.00		0.00	1.32	27.532	46.52	274.14	0.650	0.000	1.00	2.653	1.72	80.2	0.0	173.2
90.00		0.00	1.33	27.620	46.67	272.55	0.650	0.000	1.00	2.634	1.71	79.9	0.0	172.4
91.00		0.00	1.33	27.707	46.82	270.94	0.650	0.000	1.00	2.614	1.70	79.6	0.0	171.6
92.00		0.00	1.34	27.794	46.97	269.33	0.650	0.000	1.00	2.595	1.69	79.2	0.0	170.8
93.00		0.00	1.34	27.880	47.11	267.70	0.650	0.000	1.00	2.575	1.67	78.9	0.0	170.0
94.00		0.00	1.34	27.965	47.26	266.06	0.650	0.000	1.00	2.555	1.66	78.5	0.0	169.2
95.00		0.00	1.35	28.050	47.40	264.41	0.650	0.000	1.00	2.536	1.65	78.1	0.0	168.4
96.00		0.00	1.35	28.134	47.54	262.76	0.650	0.000	1.00	2.516	1.64	77.8	0.0	167.7
97.00		0.00	1.36	28.217	47.68	261.09	0.650	0.000	1.00	2.497	1.62	77.4	0.0	166.9
97.75	Bot - Section 3	0.00	1.36	28.279	47.79	259.83	0.650	0.000	0.75	1.860	1.21	57.8	0.0	124.6
98.00		0.00	1.36	28.300	47.82	259.41	0.650	0.000	0.25	0.625	0.41	19.4	0.0	56.5
99.00		0.00	1.36	28.382	47.96	257.73	0.650	0.000	1.00	2.489	1.62	77.6	0.0	225.4
100.0		0.00	1.37	28.464	48.10	256.04	0.650	0.000	1.00	2.469	1.60	77.2	0.0	224.1
101.0		0.00	1.37	28.545	48.24	254.33	0.650	0.000	1.00	2.450	1.59	76.8	0.0	222.8
101.5	Top - Section 2	0.00	1.37	28.585	48.30	253.48	0.650	0.000	0.50	1.217	0.79	38.2	0.0	110.9
102.0		0.00	1.38	28.625	48.37	255.92	0.650	0.000	0.50	1.213	0.79	38.1	0.0	62.7
103.0		0.00	1.38	28.705	48.51	254.21	0.650	0.000	1.00	2.410	1.57	76.0	0.0	125.0
104.0		0.00	1.38	28.785	48.64	252.48	0.650	0.000	1.00	2.391	1.55	75.6	0.0	124.5

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code : TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:02 AM

Page : 8

Load Case: No Ice	90.00 mph Wind with No Ice	29 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

105.0	Appertunance(s)	0.00	1.39	28.863	48.77	250.75	0.650	0.000	1.00	2.371	1.54	75.2	0.0	124.0
106.0		0.00	1.39	28.942	48.91	249.01	0.650	0.000	1.00	2.352	1.53	74.8	0.0	123.6
107.0		0.00	1.39	29.019	49.04	247.26	0.650	0.000	1.00	2.332	1.52	74.3	0.0	123.1
108.0		0.00	1.40	29.097	49.17	245.50	0.650	0.000	1.00	2.313	1.50	73.9	0.0	122.6
109.0		0.00	1.40	29.173	49.30	243.73	0.650	0.000	1.00	2.293	1.49	73.5	0.0	122.1
110.0		0.00	1.41	29.250	49.43	241.96	0.650	0.000	1.00	2.273	1.48	73.0	0.0	121.7
111.0		0.00	1.41	29.325	49.56	240.17	0.650	0.000	1.00	2.254	1.46	72.6	0.0	121.2
112.0		0.00	1.41	29.401	49.68	238.38	0.650	0.000	1.00	2.234	1.45	72.2	0.0	120.7
113.0		0.00	1.42	29.475	49.81	236.58	0.650	0.000	1.00	2.215	1.44	71.7	0.0	120.2
114.0		0.00	1.42	29.550	49.93	234.78	0.650	0.000	1.00	2.195	1.43	71.3	0.0	119.8
115.0	Appertunance(s)	0.00	1.42	29.623	50.06	232.97	0.650	0.000	1.00	2.176	1.41	70.8	0.0	119.3
116.0		0.00	1.43	29.697	50.18	231.15	0.650	0.000	1.00	2.156	1.40	70.3	0.0	118.8
117.0		0.00	1.43	29.770	50.31	229.32	0.650	0.000	1.00	2.136	1.39	69.9	0.0	118.3
118.0	Reinf. Top	0.00	1.43	29.842	50.43	227.48	0.650	0.000	1.00	2.117	1.38	69.4	0.0	117.9
119.0		0.00	1.44	29.914	50.55	225.64	0.650	0.000	1.00	2.097	1.36	68.9	0.0	50.6
120.0		0.00	1.44	29.986	50.67	223.79	0.650	0.000	1.00	2.078	1.35	68.4	0.0	50.1
121.0		0.00	1.45	30.057	50.79	221.93	0.650	0.000	1.00	2.058	1.34	68.0	0.0	49.6
122.0		0.00	1.45	30.128	50.91	220.07	0.650	0.000	1.00	2.038	1.32	67.5	0.0	49.2
123.0		0.00	1.45	30.198	51.03	218.20	0.650	0.000	1.00	2.019	1.31	67.0	0.0	48.7
124.0		0.00	1.46	30.268	51.15	216.33	0.650	0.000	1.00	1.999	1.30	66.5	0.0	48.2
125.0	Appertunance(s)	0.00	1.46	30.338	51.27	214.44	0.650	0.000	1.00	1.980	1.29	66.0	0.0	47.7
126.0		0.00	1.46	30.407	51.38	212.55	0.650	0.000	1.00	1.960	1.27	65.5	0.0	47.3
127.0		0.00	1.47	30.475	51.50	210.66	0.650	0.000	1.00	1.941	1.26	65.0	0.0	46.8
128.0		0.00	1.47	30.544	51.61	208.75	0.650	0.000	1.00	1.921	1.25	64.5	0.0	46.3
129.0		0.00	1.47	30.612	51.73	206.84	0.650	0.000	1.00	1.901	1.24	63.9	0.0	45.8
130.0		0.00	1.48	30.679	51.84	204.93	0.650	0.000	1.00	1.882	1.22	63.4	0.0	45.3
131.0		0.00	1.48	30.747	51.96	203.01	0.650	0.000	1.00	1.862	1.21	62.9	0.0	44.9
132.0		0.00	1.48	30.814	52.07	201.08	0.650	0.000	1.00	1.843	1.20	62.4	0.0	44.4
133.0		0.00	1.48	30.880	52.18	199.15	0.650	0.000	1.00	1.823	1.18	61.8	0.0	43.9
134.0	Appertunance(s)	0.00	1.49	30.946	52.29	197.21	0.650	0.000	1.00	1.803	1.17	61.3	0.0	43.4
135.0		0.00	1.49	31.012	52.41	195.26	0.650	0.000	1.00	1.784	1.16	60.8	0.0	43.0
136.0		0.00	1.49	31.078	52.52	193.31	0.650	0.000	1.00	1.764	1.15	60.2	0.0	42.5
137.0		0.00	1.50	31.143	52.63	191.35	0.650	0.000	1.00	1.745	1.13	59.7	0.0	42.0
138.0		0.00	1.50	31.207	52.74	189.39	0.650	0.000	1.00	1.725	1.12	59.1	0.0	41.5
139.0		0.00	1.50	31.272	52.84	187.42	0.650	0.000	1.00	1.706	1.11	58.6	0.0	41.1
140.0		0.00	1.51	31.336	52.95	185.45	0.650	0.000	1.00	1.686	1.10	58.0	0.0	40.6
141.0		0.00	1.51	31.400	53.06	183.47	0.650	0.000	1.00	1.666	1.08	57.5	0.0	40.1
142.0		0.00	1.51	31.463	53.17	181.48	0.650	0.000	1.00	1.647	1.07	56.9	0.0	39.6
143.0	Appertunance(s)	0.00	1.52	31.526	53.28	179.49	0.650	0.000	1.00	1.627	1.06	56.4	0.0	39.2
144.0		0.00	1.52	31.589	53.38	177.50	0.650	0.000	1.00	1.608	1.04	55.8	0.0	38.7
145.0		0.00	1.52	31.652	53.49	175.49	0.650	0.000	1.00	1.588	1.03	55.2	0.0	38.2
146.0		0.00	1.52	31.714	53.59	173.49	0.650	0.000	1.00	1.569	1.02	54.6	0.0	37.7
147.0		0.00	1.53	31.776	53.70	171.47	0.650	0.000	1.00	1.549	1.01	54.1	0.0	37.3
148.0		0.00	1.53	31.837	53.80	169.46	0.650	0.000	1.00	1.529	0.99	53.5	0.0	36.8
149.0	Appertunance(s)	0.00	1.53	31.899	53.90	167.43	0.650	0.000	1.00	1.510	0.98	52.9	0.0	36.3
Totals:										149.00		11,862.0	0.0	26,418.4

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

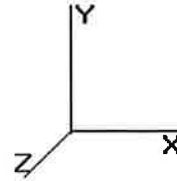
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12/22/2014 11:58:02 AM

Page: 9

Base Elev : 0.000 (ft)

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Load Case: No Ice 90.00 mph Wind with No Ice 29 Iterations

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

Discrete Appurtenance Segment Forces

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
105.0	Stand-Off	1	28.863	48.779	1.00	1.00	0.000	0.000	48.78	0.00	0.00	50.00
105.0	Pacific Wireless HDD	1	28.863	48.779	1.00	12.09	0.000	0.000	589.74	0.00	0.00	22.00
105.0	Proxim 5054-R-LR	1	28.863	48.779	0.50	0.77	0.000	0.000	37.56	0.00	0.00	6.00
115.0	RFS APXV18-206517S-	3	29.623	50.064	0.68	10.53	0.000	0.000	526.99	0.00	0.00	79.20
125.0	Raycap DC6-48-60-18-	4	30.338	51.271	0.50	2.94	0.000	0.000	150.74	0.00	0.00	127.20
125.0	14" x 9" TTA	6	30.338	51.271	0.33	2.44	0.000	0.000	124.86	0.00	0.00	60.00
125.0	Flat Low Profile Pla	1	30.338	51.271	0.90	23.49	0.000	0.000	1,204.34	0.00	0.00	1,500.00
125.0	Ericsson RRUS A2	6	30.338	51.271	0.33	3.70	0.000	0.000	189.83	0.00	0.00	90.00
125.0	Ericsson RRUS-11 800	6	30.338	51.271	0.50	8.82	0.000	0.000	452.21	0.00	0.00	324.00
125.0	Ericsson RRUS-11 190	3	30.338	51.271	0.50	4.41	0.000	0.000	226.10	0.00	0.00	132.00
125.0	Ericsson RRUS-12 800	3	30.338	51.271	0.50	4.73	0.000	0.000	242.25	0.00	0.00	180.00
125.0	Ericsson RRUS-12 190	3	30.338	51.271	0.50	4.73	0.000	0.000	242.25	0.00	0.00	180.00
125.0	Ericsson RRUS E2 B29	3	30.338	51.271	0.50	5.51	0.000	0.000	282.24	0.00	0.00	180.00
125.0	Ericsson RRUS-32	3	30.338	51.271	0.50	5.80	0.000	0.000	297.63	0.00	0.00	231.00
125.0	CCI HPA-65R-BUJ-H8	12	30.338	51.271	0.66	105.26	0.000	0.000	5,396.57	0.00	0.00	816.00
134.0	RFS FD9R6004/2C-3L	6	30.946	52.299	0.33	0.73	0.000	0.000	38.31	0.00	0.00	18.60
134.0	Antel BXA 185085/12C	3	30.946	52.299	0.72	10.35	0.000	0.000	541.11	0.00	0.00	39.00
134.0	Alcatel-Lucent RRH2x	3	30.814	52.075	0.50	3.78	0.000	-2.000	196.84	0.00	-393.69	132.00
134.0	Antel BXA BXA-171063	3	30.946	52.299	0.72	10.22	0.000	0.000	534.33	0.00	0.00	45.00
134.0	RFS DB-T1-6Z-8AB-0Z	1	30.946	52.299	0.67	3.75	0.000	0.000	196.23	0.00	0.00	44.00
134.0	Commscope LNX-	3	30.946	52.299	0.69	17.41	0.000	0.000	910.46	0.00	0.00	116.40
134.0	Andrew	3	30.946	52.299	0.63	11.02	0.000	0.000	576.27	0.00	0.00	55.50
134.0	Round Low Profile PI	1	30.946	52.299	0.90	19.53	0.000	0.000	1,021.40	0.00	0.00	1,500.00
143.0	Flat Low Profile Pla	1	31.526	53.280	1.00	26.10	0.000	0.000	1,390.60	0.00	0.00	1,500.00
143.0	RFS APX16PV-16PVL-	6	31.526	53.280	0.59	23.54	0.000	0.000	1,254.25	0.00	0.00	237.60
143.0	Andrew	3	31.526	53.280	0.33	0.75	0.000	0.000	40.09	0.00	0.00	33.00
143.0	Andrew	3	31.526	53.280	0.33	0.47	0.000	0.000	24.79	0.00	0.00	33.00
149.0	Clearwire Mount	1	31.899	53.909	0.90	7.65	0.000	0.000	412.40	0.00	0.00	500.00
149.0	DragonWave A-ANT-	2	32.021	54.115	0.90	8.44	0.000	2.000	456.84	0.00	913.67	54.00
149.0	NextNet BTS-2500	3	32.021	54.115	0.33	2.10	0.000	2.000	113.58	0.00	227.15	105.00
149.0	Argus LLPX310R	3	32.021	54.115	0.62	8.98	0.000	2.000	486.16	0.00	972.31	85.80
149.0	DragonWave Horizon	3	32.021	54.115	0.33	0.43	0.000	2.000	23.04	0.00	46.07	31.80
149.0	DragonWave A-ANT-	1	32.021	54.115	0.90	1.45	0.000	2.000	78.41	0.00	156.82	15.00
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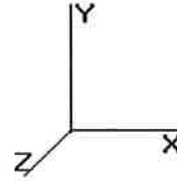
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
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12/22/2014 11:58:02 AM

Page: 10

Base Elev: 0.000 (ft)



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Load Case: No Ice 90.00 mph Wind with No Ice 29 Iterations

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

Linear Appurtenance Segment Forces

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Weight (lb/ft)	CaAa (sf/ft)	qz (psf)	FX (lb)	Dead Load (lb)
1.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
2.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
3.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
4.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
5.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
6.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
7.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
8.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
9.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
10.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
11.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
12.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
13.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
14.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
15.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
16.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
17.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
18.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
19.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
20.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
21.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
22.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
23.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
24.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
25.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
26.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
27.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
28.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
29.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
30.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
31.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
32.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
33.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.736	14.02	0.00
34.00	(4) Dywidag	Yes	1.00	0.00	0.40	20.914	14.14	0.00
35.00	(4) Dywidag	Yes	1.00	0.00	0.40	21.088	14.26	0.00
36.00	(4) Dywidag	Yes	1.00	0.00	0.40	21.258	14.37	0.00
37.00	(4) Dywidag	Yes	1.00	0.00	0.40	21.425	14.48	0.00
38.00	(4) Dywidag	Yes	1.00	0.00	0.40	21.589	14.59	0.00
39.00	(4) Dywidag	Yes	1.00	0.00	0.40	21.750	14.70	0.00
40.00	(4) Dywidag	Yes	1.00	0.00	0.40	21.908	14.81	0.00
41.00	(4) Dywidag	Yes	1.00	0.00	0.40	22.063	14.91	0.00
42.00	(4) Dywidag	Yes	1.00	0.00	0.40	22.215	15.02	0.00
43.00	(4) Dywidag	Yes	1.00	0.00	0.40	22.365	15.12	0.00
44.00	(4) Dywidag	Yes	1.00	0.00	0.40	22.512	15.22	0.00
45.00	(4) Dywidag	Yes	1.00	0.00	0.40	22.657	15.32	0.00
46.00	(4) Dywidag	Yes	1.00	0.00	0.40	22.800	15.41	0.00
47.00	(4) Dywidag	Yes	1.00	0.00	0.40	22.941	15.51	0.00
48.00	(4) Dywidag	Yes	1.00	0.00	0.40	23.079	15.60	0.00
49.00	(4) Dywidag	Yes	1.00	0.00	0.40	23.215	15.69	0.00
50.00	(4) Dywidag	Yes	1.00	0.00	0.40	23.350	15.78	0.00
51.00	(4) Dywidag	Yes	1.00	0.00	0.40	23.482	15.87	0.00

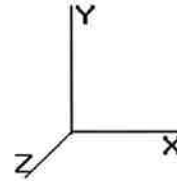
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
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Code: TIA/EIA-222 Rev F

12/22/2014 11:58:03 AM

Page: 12

Base Elev: 0.000 (ft)



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Load Case: No Ice 90.00 mph Wind with No Ice 29 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

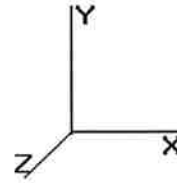
106.0	(4) Dywidag	Yes	1.00	0.00	0.40	28.942	19.56	0.00	
107.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.019	19.62	0.00	
108.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.097	19.67	0.00	
109.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.173	19.72	0.00	
110.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.250	19.77	0.00	
111.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.325	19.82	0.00	
112.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.401	19.87	0.00	
113.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.475	19.93	0.00	
114.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.550	19.98	0.00	
115.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.623	20.03	0.00	
116.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.697	20.08	0.00	
117.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.770	20.12	0.00	
118.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.842	20.17	0.00	
119.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.914	20.22	0.00	
120.0	(4) Dywidag	Yes	1.00	0.00	0.40	29.986	20.27	0.00	
121.0	(4) Dywidag	Yes	1.00	0.00	0.40	30.057	20.32	0.00	
122.0	(4) Dywidag	Yes	1.00	0.00	0.40	30.128	20.37	0.00	
123.0	(4) Dywidag	Yes	0.50	0.00	0.40	30.198	10.21	0.00	
							Totals:	2,048.67	0.00

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:03 AM

Page: 13

Load Case: No Ice	90.00 mph Wind with No Ice	29 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Applied Segment Forces Summary

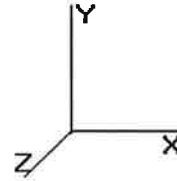
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	112.52	275.44	0.00	0.00
2.00	112.07	274.49	0.00	0.00
3.00	111.63	273.54	0.00	0.00
4.00	111.18	272.59	0.00	0.00
5.00	110.74	323.05	0.00	0.00
6.00	110.29	322.10	0.00	0.00
7.00	109.84	321.15	0.00	0.00
8.00	109.40	320.19	0.00	0.00
9.00	108.95	319.24	0.00	0.00
10.00	108.51	318.29	0.00	0.00
11.00	108.06	317.34	0.00	0.00
12.00	107.61	316.39	0.00	0.00
13.00	107.17	315.44	0.00	0.00
14.00	106.72	314.48	0.00	0.00
15.00	106.28	313.53	0.00	0.00
16.00	105.83	312.58	0.00	0.00
17.00	105.38	311.63	0.00	0.00
18.00	104.94	310.68	0.00	0.00
19.00	104.49	309.73	0.00	0.00
20.00	104.05	308.77	0.00	0.00
21.00	103.60	307.82	0.00	0.00
22.00	103.15	306.87	0.00	0.00
23.00	102.71	305.92	0.00	0.00
24.00	102.26	304.97	0.00	0.00
25.00	101.82	304.02	0.00	0.00
26.00	101.37	303.06	0.00	0.00
27.00	100.92	302.11	0.00	0.00
28.00	100.48	301.16	0.00	0.00
29.00	100.03	300.21	0.00	0.00
30.00	99.59	299.26	0.00	0.00
31.00	99.14	298.31	0.00	0.00
32.00	98.69	297.35	0.00	0.00
33.00	98.25	296.40	0.00	0.00
34.00	98.64	295.45	0.00	0.00
35.00	99.01	294.50	0.00	0.00
36.00	99.35	293.55	0.00	0.00
37.00	99.67	292.60	0.00	0.00
38.00	99.97	291.65	0.00	0.00
39.00	100.24	290.69	0.00	0.00
40.00	100.50	289.74	0.00	0.00
41.00	100.74	288.79	0.00	0.00
42.00	100.96	287.84	0.00	0.00
43.00	101.16	286.89	0.00	0.00
44.00	101.34	285.94	0.00	0.00
45.00	101.50	284.98	0.00	0.00
46.00	101.65	284.03	0.00	0.00
47.00	101.79	283.08	0.00	0.00
48.00	101.90	282.13	0.00	0.00
49.00	103.33	419.30	0.00	0.00

Pole : 243036
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12/22/2014 11:58:03 AM

Page: 14

Load Case: No Ice 90.00 mph Wind with No Ice 29 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

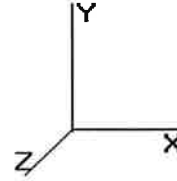
50.00	103.43	417.56	0.00	0.00
51.00	103.51	415.82	0.00	0.00
52.00	103.58	414.07	0.00	0.00
53.00	103.63	412.33	0.00	0.00
53.25	25.86	102.81	0.00	0.00
54.00	77.71	189.20	0.00	0.00
55.00	103.70	251.58	0.00	0.00
56.00	103.72	250.79	0.00	0.00
57.00	103.73	249.99	0.00	0.00
58.00	103.72	249.20	0.00	0.00
59.00	103.70	248.41	0.00	0.00
60.00	103.67	247.61	0.00	0.00
61.00	103.63	246.82	0.00	0.00
62.00	103.58	246.03	0.00	0.00
63.00	103.52	245.23	0.00	0.00
64.00	103.44	244.44	0.00	0.00
65.00	103.36	243.65	0.00	0.00
66.00	103.27	242.86	0.00	0.00
67.00	103.17	242.06	0.00	0.00
68.00	103.06	241.27	0.00	0.00
69.00	102.94	240.48	0.00	0.00
70.00	102.81	239.68	0.00	0.00
71.00	102.67	238.89	0.00	0.00
72.00	102.52	238.10	0.00	0.00
73.00	102.37	237.30	0.00	0.00
74.00	102.21	236.51	0.00	0.00
75.00	102.04	235.72	0.00	0.00
76.00	101.86	234.93	0.00	0.00
77.00	101.67	234.13	0.00	0.00
78.00	101.47	233.34	0.00	0.00
79.00	101.27	232.55	0.00	0.00
80.00	101.06	231.75	0.00	0.00
81.00	100.85	230.96	0.00	0.00
82.00	100.62	230.17	0.00	0.00
83.00	100.39	229.37	0.00	0.00
84.00	100.15	228.58	0.00	0.00
85.00	99.91	227.79	0.00	0.00
86.00	99.65	227.00	0.00	0.00
87.00	99.40	226.20	0.00	0.00
88.00	99.13	225.41	0.00	0.00
89.00	98.86	224.62	0.00	0.00
90.00	98.58	223.82	0.00	0.00
91.00	98.30	223.03	0.00	0.00
92.00	98.01	222.24	0.00	0.00
93.00	97.71	221.44	0.00	0.00
94.00	97.41	220.65	0.00	0.00
95.00	97.10	219.86	0.00	0.00
96.00	96.78	219.07	0.00	0.00
97.00	96.46	218.27	0.00	0.00
97.75	72.11	163.18	0.00	0.00
98.00	24.22	69.39	0.00	0.00
99.00	96.78	276.78	0.00	0.00
100.0	96.45	275.52	0.00	0.00
101.0	96.11	274.25	0.00	0.00
101.5	47.89	136.65	0.00	0.00
102.0	47.80	88.38	0.00	0.00
103.0	95.41	176.40	0.00	0.00

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12/22/2014 11:58:03 AM

Page: 15

Load Case: No Ice 90.00 mph Wind with No Ice 29 Iterations
 Gust Response Factor : 1.69
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104.0	95.06	175.93	0.00	0.00
105.0	770.78	253.45	0.00	0.00
106.0	94.33	171.21	0.00	0.00
107.0	93.96	170.73	0.00	0.00
108.0	93.59	170.26	0.00	0.00
109.0	93.20	169.78	0.00	0.00
110.0	92.82	169.30	0.00	0.00
111.0	92.43	168.83	0.00	0.00
112.0	92.03	168.35	0.00	0.00
113.0	91.63	167.88	0.00	0.00
114.0	91.23	167.40	0.00	0.00
115.0	617.81	246.12	0.00	0.00
116.0	90.41	161.53	0.00	0.00
117.0	89.99	161.05	0.00	0.00
118.0	89.56	160.58	0.00	0.00
119.0	89.14	93.30	0.00	0.00
120.0	88.71	92.83	0.00	0.00
121.0	88.27	92.35	0.00	0.00
122.0	87.83	91.87	0.00	0.00
123.0	77.18	91.40	0.00	0.00
124.0	66.48	90.92	0.00	0.00
125.0	8,875.01	3,910.65	0.00	0.00
126.0	65.47	75.37	0.00	0.00
127.0	64.96	74.90	0.00	0.00
128.0	64.45	74.42	0.00	0.00
129.0	63.94	73.94	0.00	0.00
130.0	63.42	73.47	0.00	0.00
131.0	62.90	72.99	0.00	0.00
132.0	62.37	72.52	0.00	0.00
133.0	61.84	72.04	0.00	0.00
134.0	4,076.26	2,022.07	0.00	-393.69
135.0	60.77	59.64	0.00	0.00
136.0	60.23	59.16	0.00	0.00
137.0	59.69	58.69	0.00	0.00
138.0	59.14	58.21	0.00	0.00
139.0	58.59	57.74	0.00	0.00
140.0	58.04	57.26	0.00	0.00
141.0	57.48	56.78	0.00	0.00
142.0	56.92	56.31	0.00	0.00
143.0	2,766.09	1,859.43	0.00	0.00
144.0	55.79	43.06	0.00	0.00
145.0	55.22	42.58	0.00	0.00
146.0	54.64	42.11	0.00	0.00
147.0	54.07	41.63	0.00	0.00
148.0	53.49	41.15	0.00	0.00
149.0	1,623.32	832.28	0.00	2,316.03
Totals:	32,217.85	41,466.88	0.00	1,922.35

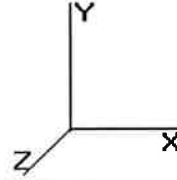
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12/22/2014 11:58:03 AM

Page : 16

Base Elev : 0.000 (ft)



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Load Case: No Ice	90.00 mph Wind with No Ice	29 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Calculated Shaft Forces and Deflections

Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-32.229	-41.456	0.000	0.000	0.000	-3,443.569	0.000	0.000	0.000	0.000
1.00	-32.141	-41.162	0.000	0.000	0.000	-3,411.340	-0.004	0.000	0.004	-0.033
2.00	-32.052	-40.869	0.000	0.000	0.000	-3,379.200	-0.015	0.000	0.015	-0.067
3.00	-31.964	-40.577	0.000	0.000	0.000	-3,347.148	-0.033	0.000	0.033	-0.100
4.00	-31.876	-40.286	0.000	0.000	0.000	-3,315.184	-0.058	0.000	0.058	-0.134
5.00	-31.788	-39.944	0.000	0.000	0.000	-3,283.309	-0.090	0.000	0.090	-0.168
6.00	-31.700	-39.604	0.000	0.000	0.000	-3,251.521	-0.129	0.000	0.129	-0.201
7.00	-31.612	-39.264	0.000	0.000	0.000	-3,219.822	-0.175	0.000	0.175	-0.235
8.00	-31.525	-38.926	0.000	0.000	0.000	-3,188.210	-0.228	0.000	0.228	-0.269
9.00	-31.437	-38.589	0.000	0.000	0.000	-3,156.686	-0.289	0.000	0.289	-0.303
10.00	-31.350	-38.252	0.000	0.000	0.000	-3,125.249	-0.356	0.000	0.356	-0.338
11.00	-31.262	-37.917	0.000	0.000	0.000	-3,093.900	-0.431	0.000	0.431	-0.372
12.00	-31.175	-37.583	0.000	0.000	0.000	-3,062.639	-0.513	0.000	0.513	-0.406
13.00	-31.088	-37.249	0.000	0.000	0.000	-3,031.464	-0.602	0.000	0.602	-0.440
14.00	-31.001	-36.917	0.000	0.000	0.000	-3,000.377	-0.698	0.000	0.698	-0.475
15.00	-30.914	-36.586	0.000	0.000	0.000	-2,969.376	-0.802	0.000	0.802	-0.509
16.00	-30.827	-36.256	0.000	0.000	0.000	-2,938.463	-0.913	0.000	0.913	-0.544
17.00	-30.741	-35.926	0.000	0.000	0.000	-2,907.636	-1.031	0.000	1.031	-0.579
18.00	-30.654	-35.598	0.000	0.000	0.000	-2,876.896	-1.156	0.000	1.156	-0.613
19.00	-30.568	-35.271	0.000	0.000	0.000	-2,846.243	-1.289	0.000	1.289	-0.648
20.00	-30.481	-34.945	0.000	0.000	0.000	-2,815.676	-1.428	0.000	1.428	-0.683
21.00	-30.395	-34.620	0.000	0.000	0.000	-2,785.195	-1.576	0.000	1.576	-0.718
22.00	-30.309	-34.296	0.000	0.000	0.000	-2,754.800	-1.730	0.000	1.730	-0.753
23.00	-30.223	-33.973	0.000	0.000	0.000	-2,724.492	-1.892	0.000	1.892	-0.788
24.00	-30.137	-33.651	0.000	0.000	0.000	-2,694.269	-2.061	0.000	2.061	-0.824
25.00	-30.051	-33.330	0.000	0.000	0.000	-2,664.133	-2.238	0.000	2.238	-0.859
26.00	-29.966	-33.010	0.000	0.000	0.000	-2,634.082	-2.422	0.000	2.422	-0.894
27.00	-29.880	-32.691	0.000	0.000	0.000	-2,604.116	-2.614	0.000	2.614	-0.930
28.00	-29.795	-32.373	0.000	0.000	0.000	-2,574.236	-2.813	0.000	2.813	-0.965
29.00	-29.710	-32.056	0.000	0.000	0.000	-2,544.442	-3.019	0.000	3.019	-1.001
30.00	-29.625	-31.740	0.000	0.000	0.000	-2,514.733	-3.233	0.000	3.233	-1.036
31.00	-29.540	-31.425	0.000	0.000	0.000	-2,485.108	-3.454	0.000	3.454	-1.072
32.00	-29.455	-31.111	0.000	0.000	0.000	-2,455.569	-3.683	0.000	3.683	-1.108
33.00	-29.370	-30.799	0.000	0.000	0.000	-2,426.115	-3.919	0.000	3.919	-1.144
34.00	-29.284	-30.487	0.000	0.000	0.000	-2,396.746	-4.163	0.000	4.163	-1.179
35.00	-29.198	-30.176	0.000	0.000	0.000	-2,367.462	-4.414	0.000	4.414	-1.215
36.00	-29.111	-29.867	0.000	0.000	0.000	-2,338.264	-4.673	0.000	4.673	-1.251
37.00	-29.024	-29.558	0.000	0.000	0.000	-2,309.153	-4.939	0.000	4.939	-1.287
38.00	-28.936	-29.250	0.000	0.000	0.000	-2,280.130	-5.213	0.000	5.213	-1.323
39.00	-28.847	-28.944	0.000	0.000	0.000	-2,251.195	-5.494	0.000	5.494	-1.360
40.00	-28.757	-28.639	0.000	0.000	0.000	-2,222.349	-5.783	0.000	5.783	-1.396
41.00	-28.668	-28.334	0.000	0.000	0.000	-2,193.591	-6.080	0.000	6.080	-1.432
42.00	-28.577	-28.031	0.000	0.000	0.000	-2,164.924	-6.384	0.000	6.384	-1.468
43.00	-28.486	-27.729	0.000	0.000	0.000	-2,136.348	-6.696	0.000	6.696	-1.504
44.00	-28.395	-27.428	0.000	0.000	0.000	-2,107.862	-7.015	0.000	7.015	-1.541
45.00	-28.303	-27.128	0.000	0.000	0.000	-2,079.468	-7.342	0.000	7.342	-1.577
46.00	-28.210	-26.829	0.000	0.000	0.000	-2,051.166	-7.676	0.000	7.676	-1.614
47.00	-28.117	-26.531	0.000	0.000	0.000	-2,022.956	-8.019	0.000	8.019	-1.650
48.00	-28.024	-26.234	0.000	0.000	0.000	-1,994.839	-8.368	0.000	8.368	-1.686
49.00	-27.924	-25.800	0.000	0.000	0.000	-1,966.816	-8.726	0.000	8.726	-1.723
50.00	-27.824	-25.368	0.000	0.000	0.000	-1,938.892	-9.091	0.000	9.091	-1.759

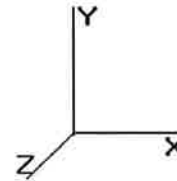
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Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

51.00	-27.724	-24.938	0.000	0.000	0.000	-1,911.068	-9.464	0.000	9.464	-1.795
52.00	-27.623	-24.510	0.000	0.000	0.000	-1,883.345	-9.844	0.000	9.844	-1.831
53.00	-27.515	-24.091	0.000	0.000	0.000	-1,855.723	-10.232	0.000	10.232	-1.867
53.25	-27.494	-23.980	0.000	0.000	0.000	-1,848.844	-10.330	0.000	10.330	-1.877
54.00	-27.424	-23.778	0.000	0.000	0.000	-1,828.224	-10.627	0.000	10.627	-1.904
55.00	-27.328	-23.511	0.000	0.000	0.000	-1,800.801	-11.030	0.000	11.030	-1.943
56.00	-27.231	-23.245	0.000	0.000	0.000	-1,773.474	-11.442	0.000	11.442	-1.982
57.00	-27.134	-22.981	0.000	0.000	0.000	-1,746.243	-11.861	0.000	11.861	-2.021
58.00	-27.037	-22.717	0.000	0.000	0.000	-1,719.109	-12.289	0.000	12.289	-2.060
59.00	-26.940	-22.454	0.000	0.000	0.000	-1,692.072	-12.725	0.000	12.725	-2.099
60.00	-26.842	-22.192	0.000	0.000	0.000	-1,665.133	-13.169	0.000	13.169	-2.138
61.00	-26.744	-21.931	0.000	0.000	0.000	-1,638.291	-13.622	0.000	13.622	-2.177
62.00	-26.646	-21.671	0.000	0.000	0.000	-1,611.547	-14.082	0.000	14.082	-2.216
63.00	-26.548	-21.412	0.000	0.000	0.000	-1,584.901	-14.551	0.000	14.551	-2.255
64.00	-26.449	-21.154	0.000	0.000	0.000	-1,558.354	-15.028	0.000	15.028	-2.293
65.00	-26.350	-20.897	0.000	0.000	0.000	-1,531.905	-15.513	0.000	15.513	-2.332
66.00	-26.251	-20.641	0.000	0.000	0.000	-1,505.556	-16.006	0.000	16.006	-2.371
67.00	-26.151	-20.386	0.000	0.000	0.000	-1,479.305	-16.507	0.000	16.507	-2.409
68.00	-26.051	-20.132	0.000	0.000	0.000	-1,453.155	-17.016	0.000	17.016	-2.448
69.00	-25.952	-19.879	0.000	0.000	0.000	-1,427.103	-17.533	0.000	17.533	-2.486
70.00	-25.852	-19.627	0.000	0.000	0.000	-1,401.152	-18.058	0.000	18.058	-2.524
71.00	-25.751	-19.375	0.000	0.000	0.000	-1,375.301	-18.591	0.000	18.591	-2.563
72.00	-25.651	-19.125	0.000	0.000	0.000	-1,349.550	-19.132	0.000	19.132	-2.601
73.00	-25.550	-18.876	0.000	0.000	0.000	-1,323.900	-19.681	0.000	19.681	-2.639
74.00	-25.449	-18.628	0.000	0.000	0.000	-1,298.350	-20.238	0.000	20.238	-2.676
75.00	-25.348	-18.380	0.000	0.000	0.000	-1,272.901	-20.803	0.000	20.803	-2.714
76.00	-25.247	-18.134	0.000	0.000	0.000	-1,247.553	-21.376	0.000	21.376	-2.752
77.00	-25.146	-17.889	0.000	0.000	0.000	-1,222.306	-21.957	0.000	21.957	-2.789
78.00	-25.045	-17.644	0.000	0.000	0.000	-1,197.160	-22.545	0.000	22.545	-2.826
79.00	-24.943	-17.401	0.000	0.000	0.000	-1,172.115	-23.141	0.000	23.141	-2.863
80.00	-24.842	-17.159	0.000	0.000	0.000	-1,147.172	-23.745	0.000	23.745	-2.900
81.00	-24.740	-16.917	0.000	0.000	0.000	-1,122.331	-24.357	0.000	24.357	-2.937
82.00	-24.638	-16.677	0.000	0.000	0.000	-1,097.591	-24.976	0.000	24.976	-2.973
83.00	-24.537	-16.438	0.000	0.000	0.000	-1,072.953	-25.603	0.000	25.603	-3.010
84.00	-24.435	-16.199	0.000	0.000	0.000	-1,048.417	-26.237	0.000	26.237	-3.046
85.00	-24.333	-15.962	0.000	0.000	0.000	-1,023.982	-26.879	0.000	26.879	-3.082
86.00	-24.231	-15.726	0.000	0.000	0.000	-999.650	-27.529	0.000	27.529	-3.117
87.00	-24.128	-15.491	0.000	0.000	0.000	-975.420	-28.186	0.000	28.186	-3.152
88.00	-24.026	-15.256	0.000	0.000	0.000	-951.292	-28.850	0.000	28.850	-3.188
89.00	-23.924	-15.023	0.000	0.000	0.000	-927.266	-29.521	0.000	29.521	-3.222
90.00	-23.822	-14.791	0.000	0.000	0.000	-903.342	-30.200	0.000	30.200	-3.257
91.00	-23.720	-14.560	0.000	0.000	0.000	-879.520	-30.886	0.000	30.886	-3.291
92.00	-23.618	-14.330	0.000	0.000	0.000	-855.800	-31.579	0.000	31.579	-3.325
93.00	-23.515	-14.101	0.000	0.000	0.000	-832.183	-32.279	0.000	32.279	-3.358
94.00	-23.413	-13.873	0.000	0.000	0.000	-808.668	-32.986	0.000	32.986	-3.392
95.00	-23.311	-13.646	0.000	0.000	0.000	-785.255	-33.700	0.000	33.700	-3.424
96.00	-23.209	-13.420	0.000	0.000	0.000	-761.945	-34.421	0.000	34.421	-3.457
97.00	-23.106	-13.197	0.000	0.000	0.000	-738.736	-35.149	0.000	35.149	-3.489
97.75	-23.027	-13.032	0.000	0.000	0.000	-721.407	-35.699	0.000	35.699	-3.513
98.00	-23.003	-12.956	0.000	0.000	0.000	-715.650	-35.883	0.000	35.883	-3.521
99.00	-22.896	-12.674	0.000	0.000	0.000	-692.648	-36.624	0.000	36.624	-3.551
100.0	-22.789	-12.393	0.000	0.000	0.000	-669.751	-37.371	0.000	37.371	-3.582
101.0	-22.681	-12.116	0.000	0.000	0.000	-646.962	-38.124	0.000	38.124	-3.612
101.5	-22.628	-11.977	0.000	0.000	0.000	-635.622	-38.504	0.000	38.504	-3.627
102.0	-22.580	-11.881	0.000	0.000	0.000	-624.308	-38.884	0.000	38.884	-3.641
103.0	-22.481	-11.698	0.000	0.000	0.000	-601.728	-39.651	0.000	39.651	-3.676
104.0	-22.381	-11.515	0.000	0.000	0.000	-579.248	-40.425	0.000	40.425	-3.711

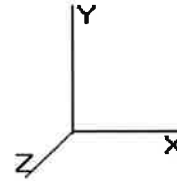
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code: TIA/EIA-222 Rev F

12/22/2014 11:58:03 AM

Page: 18

Base Elev : 0.000 (ft)



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Load Case: No Ice 90.00 mph Wind with No Ice 29 Iterations

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

105.0	-21.602	-11.300	0.000	0.000	0.000	-556.867	-41.206	0.000	41.206	-3.744
106.0	-21.503	-11.123	0.000	0.000	0.000	-535.265	-41.995	0.000	41.995	-3.777
107.0	-21.404	-10.947	0.000	0.000	0.000	-513.762	-42.789	0.000	42.789	-3.809
108.0	-21.305	-10.772	0.000	0.000	0.000	-492.358	-43.591	0.000	43.591	-3.840
109.0	-21.206	-10.598	0.000	0.000	0.000	-471.053	-44.399	0.000	44.399	-3.871
110.0	-21.108	-10.424	0.000	0.000	0.000	-449.847	-45.213	0.000	45.213	-3.901
111.0	-21.009	-10.252	0.000	0.000	0.000	-428.739	-46.034	0.000	46.034	-3.930
112.0	-20.911	-10.080	0.000	0.000	0.000	-407.730	-46.860	0.000	46.860	-3.958
113.0	-20.812	-9.909	0.000	0.000	0.000	-386.820	-47.692	0.000	47.692	-3.985
114.0	-20.714	-9.739	0.000	0.000	0.000	-366.008	-48.530	0.000	48.530	-4.011
115.0	-20.084	-9.528	0.000	0.000	0.000	-345.294	-49.373	0.000	49.373	-4.036
116.0	-19.987	-9.366	0.000	0.000	0.000	-325.210	-50.221	0.000	50.221	-4.060
117.0	-19.889	-9.203	0.000	0.000	0.000	-305.224	-51.074	0.000	51.074	-4.083
118.0	-19.792	-9.042	0.000	0.000	0.000	-285.335	-51.932	0.000	51.932	-4.105
119.0	-19.703	-8.941	0.000	0.000	0.000	-265.543	-52.795	0.000	52.795	-4.126
120.0	-19.617	-8.834	0.000	0.000	0.000	-245.841	-53.666	0.000	53.666	-4.189
121.0	-19.531	-8.728	0.000	0.000	0.000	-226.224	-54.550	0.000	54.550	-4.249
122.0	-19.445	-8.625	0.000	0.000	0.000	-206.694	-55.446	0.000	55.446	-4.305
123.0	-19.369	-8.522	0.000	0.000	0.000	-187.249	-56.354	0.000	56.354	-4.358
124.0	-19.302	-8.421	0.000	0.000	0.000	-167.881	-57.272	0.000	57.272	-4.407
125.0	-10.155	-5.201	0.000	0.000	0.000	-148.579	-58.200	0.000	58.200	-4.452
126.0	-10.088	-5.124	0.000	0.000	0.000	-138.424	-59.137	0.000	59.137	-4.495
127.0	-10.021	-5.047	0.000	0.000	0.000	-128.336	-60.082	0.000	60.082	-4.535
128.0	-9.954	-4.972	0.000	0.000	0.000	-118.316	-61.035	0.000	61.035	-4.573
129.0	-9.887	-4.897	0.000	0.000	0.000	-108.362	-61.997	0.000	61.997	-4.610
130.0	-9.821	-4.823	0.000	0.000	0.000	-98.475	-62.965	0.000	62.965	-4.644
131.0	-9.755	-4.750	0.000	0.000	0.000	-88.655	-63.941	0.000	63.941	-4.676
132.0	-9.689	-4.678	0.000	0.000	0.000	-78.900	-64.923	0.000	64.923	-4.706
133.0	-9.624	-4.607	0.000	0.000	0.000	-69.211	-65.911	0.000	65.911	-4.733
134.0	-5.395	-2.928	0.000	0.000	0.000	-59.588	-66.904	0.000	66.904	-4.757
135.0	-5.331	-2.871	0.000	0.000	0.000	-54.193	-67.902	0.000	67.902	-4.779
136.0	-5.267	-2.815	0.000	0.000	0.000	-48.862	-68.904	0.000	68.904	-4.800
137.0	-5.203	-2.760	0.000	0.000	0.000	-43.595	-69.911	0.000	69.911	-4.819
138.0	-5.140	-2.706	0.000	0.000	0.000	-38.392	-70.921	0.000	70.921	-4.837
139.0	-5.078	-2.652	0.000	0.000	0.000	-33.252	-71.935	0.000	71.935	-4.853
140.0	-5.016	-2.599	0.000	0.000	0.000	-28.174	-72.952	0.000	72.952	-4.867
141.0	-4.954	-2.546	0.000	0.000	0.000	-23.159	-73.972	0.000	73.972	-4.879
142.0	-4.893	-2.494	0.000	0.000	0.000	-18.205	-74.994	0.000	74.994	-4.889
143.0	-1.978	-0.877	0.000	0.000	0.000	-13.312	-76.018	0.000	76.018	-4.898
144.0	-1.919	-0.839	0.000	0.000	0.000	-11.333	-77.043	0.000	77.043	-4.904
145.0	-1.861	-0.801	0.000	0.000	0.000	-9.414	-78.070	0.000	78.070	-4.910
146.0	-1.803	-0.763	0.000	0.000	0.000	-7.553	-79.098	0.000	79.098	-4.915
147.0	-1.745	-0.726	0.000	0.000	0.000	-5.750	-80.126	0.000	80.126	-4.919
148.0	-1.689	-0.690	0.000	0.000	0.000	-4.005	-81.156	0.000	81.156	-4.922
149.0	-1.623	0.000	0.000	0.000	0.000	-2.316	-82.185	0.000	82.185	-4.924

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

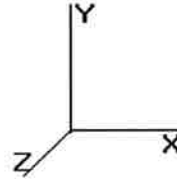
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:03 AM

Page: 19

Base Elev : 0.000 (ft)

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Load Case: No Ice	90.00 mph Wind with No Ice	29 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Calculated Stresses

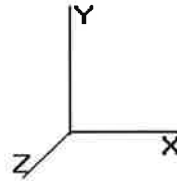
Seg Elev (ft)	Applied Stresses							Combined (ksi)	Allowable Stress (Fb) (ksi)	Stress Ratio
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)				
0.00	0.51	1.06	0.00	0.00	0.00	37.34	37.89	52.0	0.0	0.729
1.00	0.51	1.06	0.00	0.00	0.00	37.27	37.82	52.0	0.0	0.728
2.00	0.51	1.06	0.00	0.00	0.00	37.20	37.75	52.0	0.0	0.726
3.00	0.51	1.06	0.00	0.00	0.00	37.12	37.67	52.0	0.0	0.725
4.00	0.50	1.06	0.00	0.00	0.00	37.05	37.60	52.0	0.0	0.723
5.00	0.50	1.07	0.00	0.00	0.00	36.97	37.52	52.0	0.0	0.722
6.00	0.50	1.07	0.00	0.00	0.00	36.89	37.44	52.0	0.0	0.720
7.00	0.50	1.07	0.00	0.00	0.00	36.81	37.36	52.0	0.0	0.719
8.00	0.49	1.07	0.00	0.00	0.00	36.73	37.27	52.0	0.0	0.717
9.00	0.49	1.07	0.00	0.00	0.00	36.65	37.19	52.0	0.0	0.715
10.00	0.49	1.08	0.00	0.00	0.00	36.57	37.10	52.0	0.0	0.714
11.00	0.49	1.08	0.00	0.00	0.00	36.48	37.02	52.0	0.0	0.712
12.00	0.48	1.08	0.00	0.00	0.00	36.40	36.93	52.0	0.0	0.710
13.00	0.48	1.08	0.00	0.00	0.00	36.31	36.84	52.0	0.0	0.709
14.00	0.48	1.09	0.00	0.00	0.00	36.22	36.75	52.0	0.0	0.707
15.00	0.48	1.09	0.00	0.00	0.00	36.13	36.65	52.0	0.0	0.705
16.00	0.47	1.09	0.00	0.00	0.00	36.04	36.56	52.0	0.0	0.703
17.00	0.47	1.09	0.00	0.00	0.00	35.94	36.46	52.0	0.0	0.701
18.00	0.47	1.09	0.00	0.00	0.00	35.85	36.36	52.0	0.0	0.700
19.00	0.47	1.10	0.00	0.00	0.00	35.75	36.27	52.0	0.0	0.698
20.00	0.46	1.10	0.00	0.00	0.00	35.65	36.16	52.0	0.0	0.696
21.00	0.46	1.10	0.00	0.00	0.00	35.55	36.06	52.0	0.0	0.694
22.00	0.46	1.10	0.00	0.00	0.00	35.45	35.96	52.0	0.0	0.692
23.00	0.46	1.11	0.00	0.00	0.00	35.34	35.85	52.0	0.0	0.690
24.00	0.45	1.11	0.00	0.00	0.00	35.24	35.74	52.0	0.0	0.688
25.00	0.45	1.11	0.00	0.00	0.00	35.13	35.63	52.0	0.0	0.685
26.00	0.45	1.11	0.00	0.00	0.00	35.02	35.52	52.0	0.0	0.683
27.00	0.44	1.12	0.00	0.00	0.00	34.91	35.40	52.0	0.0	0.681
28.00	0.44	1.12	0.00	0.00	0.00	34.79	35.29	52.0	0.0	0.679
29.00	0.44	1.12	0.00	0.00	0.00	34.68	35.17	52.0	0.0	0.677
30.00	0.44	1.13	0.00	0.00	0.00	34.56	35.05	52.0	0.0	0.674
31.00	0.43	1.13	0.00	0.00	0.00	34.44	34.93	52.0	0.0	0.672
32.00	0.43	1.13	0.00	0.00	0.00	34.31	34.80	52.0	0.0	0.670
33.00	0.43	1.13	0.00	0.00	0.00	34.19	34.67	52.0	0.0	0.667
34.00	0.43	1.14	0.00	0.00	0.00	34.06	34.55	52.0	0.0	0.665
35.00	0.42	1.14	0.00	0.00	0.00	33.93	34.41	52.0	0.0	0.662
36.00	0.42	1.14	0.00	0.00	0.00	33.80	34.28	52.0	0.0	0.659
37.00	0.42	1.14	0.00	0.00	0.00	33.67	34.14	52.0	0.0	0.657
38.00	0.42	1.15	0.00	0.00	0.00	33.53	34.01	52.0	0.0	0.654
39.00	0.41	1.15	0.00	0.00	0.00	33.39	33.86	52.0	0.0	0.651
40.00	0.41	1.15	0.00	0.00	0.00	33.25	33.72	52.0	0.0	0.649
41.00	0.41	1.16	0.00	0.00	0.00	33.11	33.57	52.0	0.0	0.646
42.00	0.40	1.16	0.00	0.00	0.00	32.96	33.43	52.0	0.0	0.643
43.00	0.40	1.16	0.00	0.00	0.00	32.81	33.28	52.0	0.0	0.640
44.00	0.40	1.16	0.00	0.00	0.00	32.66	33.12	52.0	0.0	0.637
45.00	0.40	1.17	0.00	0.00	0.00	32.51	32.97	52.0	0.0	0.634
46.00	0.39	1.17	0.00	0.00	0.00	32.35	32.81	52.0	0.0	0.631
47.00	0.39	1.17	0.00	0.00	0.00	32.19	32.64	52.0	0.0	0.628
48.00	0.39	1.18	0.00	0.00	0.00	32.03	32.48	52.0	0.0	0.625
49.00	0.38	1.18	0.00	0.00	0.00	31.56	32.01	52.0	0.0	0.616
50.00	0.38	1.18	0.00	0.00	0.00	31.39	31.83	52.0	0.0	0.612

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:03 AM

Page: 20

Load Case: No Ice	90.00 mph Wind with No Ice	29 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

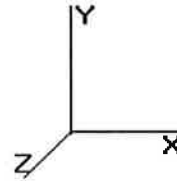
51.00	0.37	1.18	0.00	0.00	0.00	31.22	31.66	52.0	0.0	0.609
52.00	0.37	1.19	0.00	0.00	0.00	31.04	31.48	52.0	0.0	0.606
53.00	0.36	1.19	0.00	0.00	0.00	30.86	31.30	52.0	0.0	0.602
53.25	0.41	1.40	0.00	0.00	0.00	33.88	34.38	52.0	0.0	0.661
54.00	0.40	1.41	0.00	0.00	0.00	33.73	34.22	52.0	0.0	0.658
55.00	0.40	1.41	0.00	0.00	0.00	33.51	34.00	52.0	0.0	0.654
56.00	0.40	1.41	0.00	0.00	0.00	33.30	33.78	52.0	0.0	0.650
57.00	0.39	1.42	0.00	0.00	0.00	33.07	33.56	52.0	0.0	0.646
58.00	0.39	1.42	0.00	0.00	0.00	32.85	33.33	52.0	0.0	0.641
59.00	0.39	1.42	0.00	0.00	0.00	32.62	33.10	52.0	0.0	0.637
60.00	0.39	1.43	0.00	0.00	0.00	32.39	32.87	52.0	0.0	0.632
61.00	0.38	1.43	0.00	0.00	0.00	32.15	32.63	52.0	0.0	0.628
62.00	0.38	1.43	0.00	0.00	0.00	31.92	32.39	52.0	0.0	0.623
63.00	0.38	1.44	0.00	0.00	0.00	31.67	32.15	52.0	0.0	0.618
64.00	0.37	1.44	0.00	0.00	0.00	31.42	31.90	52.0	0.0	0.614
65.00	0.37	1.45	0.00	0.00	0.00	31.17	31.64	52.0	0.0	0.609
66.00	0.37	1.45	0.00	0.00	0.00	30.92	31.39	52.0	0.0	0.604
67.00	0.36	1.45	0.00	0.00	0.00	30.66	31.13	52.0	0.0	0.599
68.00	0.36	1.46	0.00	0.00	0.00	30.40	30.86	52.0	0.0	0.594
69.00	0.36	1.46	0.00	0.00	0.00	30.13	30.59	52.0	0.0	0.589
70.00	0.36	1.46	0.00	0.00	0.00	29.86	30.32	52.0	0.0	0.583
71.00	0.35	1.47	0.00	0.00	0.00	29.58	30.04	52.0	0.0	0.578
72.00	0.35	1.47	0.00	0.00	0.00	29.30	29.76	52.0	0.0	0.572
73.00	0.35	1.48	0.00	0.00	0.00	29.01	29.47	52.0	0.0	0.567
74.00	0.34	1.48	0.00	0.00	0.00	28.72	29.18	52.0	0.0	0.561
75.00	0.34	1.48	0.00	0.00	0.00	28.43	28.88	52.0	0.0	0.556
76.00	0.34	1.49	0.00	0.00	0.00	28.13	28.58	52.0	0.0	0.550
77.00	0.33	1.49	0.00	0.00	0.00	27.82	28.27	52.0	0.0	0.544
78.00	0.33	1.50	0.00	0.00	0.00	27.51	27.96	52.0	0.0	0.538
79.00	0.33	1.50	0.00	0.00	0.00	27.20	27.65	52.0	0.0	0.532
80.00	0.32	1.51	0.00	0.00	0.00	26.88	27.33	52.0	0.0	0.526
81.00	0.32	1.51	0.00	0.00	0.00	26.55	27.00	52.0	0.0	0.519
82.00	0.32	1.51	0.00	0.00	0.00	26.22	26.67	52.0	0.0	0.513
83.00	0.31	1.52	0.00	0.00	0.00	25.88	26.33	52.0	0.0	0.507
84.00	0.31	1.52	0.00	0.00	0.00	25.54	25.99	52.0	0.0	0.500
85.00	0.31	1.53	0.00	0.00	0.00	25.19	25.64	52.0	0.0	0.493
86.00	0.31	1.53	0.00	0.00	0.00	24.84	25.28	52.0	0.0	0.486
87.00	0.30	1.54	0.00	0.00	0.00	24.48	24.92	52.0	0.0	0.479
88.00	0.30	1.54	0.00	0.00	0.00	24.11	24.56	52.0	0.0	0.472
89.00	0.30	1.55	0.00	0.00	0.00	23.74	24.18	52.0	0.0	0.465
90.00	0.29	1.55	0.00	0.00	0.00	23.36	23.81	52.0	0.0	0.458
91.00	0.29	1.56	0.00	0.00	0.00	22.97	23.42	52.0	0.0	0.451
92.00	0.29	1.56	0.00	0.00	0.00	22.58	23.03	52.0	0.0	0.443
93.00	0.28	1.57	0.00	0.00	0.00	22.18	22.63	52.0	0.0	0.435
94.00	0.28	1.57	0.00	0.00	0.00	21.78	22.23	52.0	0.0	0.428
95.00	0.28	1.58	0.00	0.00	0.00	21.37	21.82	52.0	0.0	0.420
96.00	0.27	1.58	0.00	0.00	0.00	20.95	21.40	52.0	0.0	0.412
97.00	0.27	1.59	0.00	0.00	0.00	20.52	20.97	52.0	0.0	0.403
97.75	0.27	1.59	0.00	0.00	0.00	20.20	20.65	52.0	0.0	0.397
98.00	0.27	1.60	0.00	0.00	0.00	19.88	20.33	52.0	0.0	0.391
99.00	0.26	1.60	0.00	0.00	0.00	19.44	19.89	52.0	0.0	0.383
100.00	0.26	1.61	0.00	0.00	0.00	18.99	19.45	52.0	0.0	0.374
101.00	0.25	1.61	0.00	0.00	0.00	18.54	19.00	52.0	0.0	0.365
101.50	0.32	2.64	0.00	0.00	0.00	22.47	23.25	51.0	0.0	0.456
102.00	0.32	2.65	0.00	0.00	0.00	22.17	22.96	51.1	0.0	0.450
103.00	0.32	2.66	0.00	0.00	0.00	21.57	22.36	51.2	0.0	0.436
104.00	0.32	2.67	0.00	0.00	0.00	20.95	21.76	51.4	0.0	0.423

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
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12/22/2014 11:58:03 AM

Page: 21

Load Case: No Ice	90.00 mph Wind with No Ice	29 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

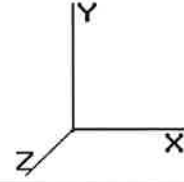
105.00	0.31	2.60	0.00	0.00	0.00	20.33	21.12	51.6	0.0	0.409
106.00	0.31	2.61	0.00	0.00	0.00	19.72	20.53	51.8	0.0	0.396
107.00	0.30	2.62	0.00	0.00	0.00	19.10	19.93	52.0	0.0	0.383
108.00	0.30	2.63	0.00	0.00	0.00	18.48	19.32	52.0	0.0	0.372
109.00	0.30	2.64	0.00	0.00	0.00	17.84	18.70	52.0	0.0	0.360
110.00	0.29	2.65	0.00	0.00	0.00	17.20	18.08	52.0	0.0	0.348
111.00	0.29	2.66	0.00	0.00	0.00	16.54	17.45	52.0	0.0	0.336
112.00	0.28	2.67	0.00	0.00	0.00	15.88	16.82	52.0	0.0	0.324
113.00	0.28	2.68	0.00	0.00	0.00	15.21	16.17	52.0	0.0	0.311
114.00	0.28	2.69	0.00	0.00	0.00	14.53	15.52	52.0	0.0	0.299
115.00	0.27	2.64	0.00	0.00	0.00	13.84	14.83	52.0	0.0	0.285
116.00	0.27	2.65	0.00	0.00	0.00	13.16	14.19	52.0	0.0	0.273
117.00	0.27	2.66	0.00	0.00	0.00	12.47	13.54	52.0	0.0	0.260
118.00	0.26	2.67	0.00	0.00	0.00	11.77	12.89	52.0	0.0	0.248
118.00	0.61	2.67	0.00	0.00	0.00	36.98	37.87	52.0	0.0	0.729
119.00	0.60	2.68	0.00	0.00	0.00	35.08	35.98	52.0	0.0	0.692
120.00	0.60	2.70	0.00	0.00	0.00	33.10	34.02	52.0	0.0	0.655
121.00	0.60	2.71	0.00	0.00	0.00	31.05	32.00	52.0	0.0	0.616
122.00	0.60	2.73	0.00	0.00	0.00	28.92	29.90	52.0	0.0	0.575
123.00	0.60	2.74	0.00	0.00	0.00	26.72	27.73	52.0	0.0	0.534
124.00	0.60	2.76	0.00	0.00	0.00	24.44	25.49	52.0	0.0	0.490
125.00	0.37	1.47	0.00	0.00	0.00	22.07	22.58	52.0	0.0	0.434
126.00	0.37	1.47	0.00	0.00	0.00	20.98	21.50	52.0	0.0	0.414
127.00	0.37	1.48	0.00	0.00	0.00	19.85	20.38	52.0	0.0	0.392
128.00	0.37	1.48	0.00	0.00	0.00	18.68	19.22	52.0	0.0	0.370
129.00	0.37	1.49	0.00	0.00	0.00	17.47	18.02	52.0	0.0	0.347
130.00	0.36	1.49	0.00	0.00	0.00	16.22	16.78	52.0	0.0	0.323
131.00	0.36	1.50	0.00	0.00	0.00	14.91	15.49	52.0	0.0	0.298
132.00	0.36	1.50	0.00	0.00	0.00	13.56	14.16	52.0	0.0	0.272
133.00	0.36	1.51	0.00	0.00	0.00	12.16	12.79	52.0	0.0	0.246
134.00	0.23	0.86	0.00	0.00	0.00	10.70	11.03	52.0	0.0	0.212
135.00	0.23	0.86	0.00	0.00	0.00	9.95	10.29	52.0	0.0	0.198
136.00	0.23	0.85	0.00	0.00	0.00	9.17	9.52	52.0	0.0	0.183
137.00	0.22	0.85	0.00	0.00	0.00	8.37	8.73	52.0	0.0	0.168
138.00	0.22	0.85	0.00	0.00	0.00	7.55	7.91	52.0	0.0	0.152
139.00	0.22	0.85	0.00	0.00	0.00	6.69	7.07	52.0	0.0	0.136
140.00	0.22	0.85	0.00	0.00	0.00	5.80	6.20	52.0	0.0	0.119
141.00	0.22	0.85	0.00	0.00	0.00	4.89	5.31	52.0	0.0	0.102
142.00	0.22	0.85	0.00	0.00	0.00	3.93	4.40	52.0	0.0	0.085
143.00	0.08	0.35	0.00	0.00	0.00	2.95	3.08	52.0	0.0	0.059
144.00	0.07	0.34	0.00	0.00	0.00	2.57	2.71	52.0	0.0	0.052
145.00	0.07	0.34	0.00	0.00	0.00	2.19	2.34	52.0	0.0	0.045
146.00	0.07	0.33	0.00	0.00	0.00	1.80	1.96	52.0	0.0	0.038
147.00	0.07	0.32	0.00	0.00	0.00	1.41	1.58	52.0	0.0	0.030
148.00	0.06	0.32	0.00	0.00	0.00	1.01	1.20	52.0	0.0	0.023
149.00	0.00	0.31	0.00	0.00	0.00	0.60	0.80	52.0	0.0	0.015

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
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12/22/2014 11:58:03 AM

Page : 22

Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Shaft Segment Forces

Seg Top Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		0.00	1.00 15.551	26.28 337.80	0.650	0.500	0.00	0.000	0.00	0.00	0.0	0.0	0.0
1.00		0.00	1.00 15.551	26.28 336.27	0.650	0.500	1.00	4.408	2.86	75.3	32.3	307.7	
2.00		0.00	1.00 15.551	26.28 334.75	0.650	0.500	1.00	4.388	2.85	75.0	32.1	306.6	
3.00		0.00	1.00 15.551	26.28 333.22	0.650	0.500	1.00	4.369	2.84	74.6	32.0	305.5	
4.00		0.00	1.00 15.551	26.28 331.69	0.650	0.500	1.00	4.349	2.83	74.3	31.8	304.4	
5.00		0.00	1.00 15.551	26.28 330.17	0.650	0.500	1.00	4.329	2.81	74.0	31.7	303.3	
6.00		0.00	1.00 15.551	26.28 328.64	0.650	0.500	1.00	4.310	2.80	73.6	31.5	302.2	
7.00		0.00	1.00 15.551	26.28 327.12	0.650	0.500	1.00	4.290	2.79	73.3	31.4	301.1	
8.00		0.00	1.00 15.551	26.28 325.59	0.650	0.500	1.00	4.271	2.78	73.0	31.2	300.0	
9.00		0.00	1.00 15.551	26.28 324.06	0.650	0.500	1.00	4.251	2.76	72.6	31.1	298.9	
10.00		0.00	1.00 15.551	26.28 322.54	0.650	0.500	1.00	4.231	2.75	72.3	31.0	297.8	
11.00		0.00	1.00 15.551	26.28 321.01	0.650	0.500	1.00	4.212	2.74	72.0	30.8	296.7	
12.00		0.00	1.00 15.551	26.28 319.49	0.650	0.500	1.00	4.192	2.72	71.6	30.7	295.6	
13.00		0.00	1.00 15.551	26.28 317.96	0.650	0.500	1.00	4.173	2.71	71.3	30.5	294.5	
14.00		0.00	1.00 15.551	26.28 316.43	0.650	0.500	1.00	4.153	2.70	70.9	30.4	293.4	
15.00		0.00	1.00 15.551	26.28 314.91	0.650	0.500	1.00	4.134	2.69	70.6	30.2	292.4	
16.00		0.00	1.00 15.551	26.28 313.38	0.650	0.500	1.00	4.114	2.67	70.3	30.1	291.3	
17.00		0.00	1.00 15.551	26.28 311.85	0.650	0.500	1.00	4.094	2.66	69.9	29.9	290.2	
18.00		0.00	1.00 15.551	26.28 310.33	0.650	0.500	1.00	4.075	2.65	69.6	29.8	289.1	
19.00		0.00	1.00 15.551	26.28 308.80	0.650	0.500	1.00	4.055	2.64	69.3	29.7	288.0	
20.00		0.00	1.00 15.551	26.28 307.28	0.650	0.500	1.00	4.036	2.62	68.9	29.5	286.9	
21.00		0.00	1.00 15.551	26.28 305.75	0.650	0.500	1.00	4.016	2.61	68.6	29.4	285.8	
22.00		0.00	1.00 15.551	26.28 304.22	0.650	0.500	1.00	3.996	2.60	68.3	29.2	284.7	
23.00		0.00	1.00 15.551	26.28 302.70	0.650	0.500	1.00	3.977	2.58	67.9	29.1	283.6	
24.00		0.00	1.00 15.551	26.28 301.17	0.650	0.500	1.00	3.957	2.57	67.6	28.9	282.5	
25.00		0.00	1.00 15.551	26.28 299.65	0.650	0.500	1.00	3.938	2.56	67.3	28.8	281.4	
26.00		0.00	1.00 15.551	26.28 298.12	0.650	0.500	1.00	3.918	2.55	66.9	28.6	280.3	
27.00		0.00	1.00 15.551	26.28 296.59	0.650	0.500	1.00	3.899	2.53	66.6	28.5	279.2	
28.00		0.00	1.00 15.551	26.28 295.07	0.650	0.500	1.00	3.879	2.52	66.3	28.3	278.1	
29.00		0.00	1.00 15.551	26.28 293.54	0.650	0.500	1.00	3.859	2.51	65.9	28.2	277.0	
30.00		0.00	1.00 15.551	26.28 292.02	0.650	0.500	1.00	3.840	2.50	65.6	28.1	275.9	
31.00		0.00	1.00 15.551	26.28 290.49	0.650	0.500	1.00	3.820	2.48	65.3	27.9	274.8	
32.00		0.00	1.00 15.551	26.28 288.96	0.650	0.500	1.00	3.801	2.47	64.9	27.8	273.7	
33.00		0.00	1.00 15.551	26.28 287.44	0.650	0.500	1.00	3.781	2.46	64.6	27.6	272.6	
34.00		0.00	1.00 15.684	26.50 287.13	0.650	0.500	1.00	3.762	2.44	64.8	27.5	271.5	
35.00		0.00	1.01 15.815	26.72 286.79	0.650	0.500	1.00	3.742	2.43	65.0	27.3	270.4	
36.00		0.00	1.02 15.943	26.94 286.40	0.650	0.500	1.00	3.722	2.42	65.2	27.2	269.3	
37.00		0.00	1.03 16.068	27.15 285.97	0.650	0.500	1.00	3.703	2.41	65.4	27.0	268.2	
38.00		0.00	1.04 16.191	27.36 285.50	0.650	0.500	1.00	3.683	2.39	65.5	26.9	267.1	
39.00		0.00	1.04 16.311	27.56 285.00	0.650	0.500	1.00	3.664	2.38	65.6	26.8	266.0	
40.00		0.00	1.05 16.430	27.76 284.47	0.650	0.500	1.00	3.644	2.37	65.8	26.6	264.9	
41.00		0.00	1.06 16.546	27.96 283.90	0.650	0.500	1.00	3.624	2.36	65.9	26.5	263.8	
42.00		0.00	1.07 16.660	28.15 283.30	0.650	0.500	1.00	3.605	2.34	66.0	26.3	262.7	
43.00		0.00	1.07 16.773	28.34 282.67	0.650	0.500	1.00	3.585	2.33	66.1	26.2	261.6	
44.00		0.00	1.08 16.883	28.53 282.01	0.650	0.500	1.00	3.566	2.32	66.1	26.0	260.6	
45.00		0.00	1.09 16.992	28.71 281.32	0.650	0.500	1.00	3.546	2.30	66.2	25.9	259.5	
46.00		0.00	1.10 17.099	28.89 280.60	0.650	0.500	1.00	3.527	2.29	66.2	25.7	258.4	
47.00		0.00	1.10 17.204	29.07 279.86	0.650	0.500	1.00	3.507	2.28	66.3	25.6	257.3	
48.00	Bot - Section 2	0.00	1.11 17.308	29.25 279.09	0.650	0.500	1.00	3.487	2.27	66.3	25.4	256.2	
49.00		0.00	1.12 17.411	29.42 278.30	0.650	0.500	1.00	3.520	2.29	67.3	25.7	393.6	
50.00		0.00	1.12 17.511	29.59 277.49	0.650	0.500	1.00	3.500	2.28	67.3	25.5	391.7	

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

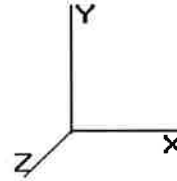
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:03 AM

Page: 24

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

105.0	Appertunance(s)	0.00	1.39	21.646	36.58	217.15	0.650	0.500	1.00	2.455	1.60	58.4	17.8	141.8	
106.0		0.00	1.39	21.705	36.68	215.64	0.650	0.500	1.00	2.435	1.58	58.1	17.7	141.2	
107.0		0.00	1.39	21.763	36.78	214.12	0.650	0.500	1.00	2.415	1.57	57.7	17.5	140.6	
108.0		0.00	1.40	21.821	36.87	212.60	0.650	0.500	1.00	2.396	1.56	57.4	17.4	140.0	
109.0		0.00	1.40	21.879	36.97	211.07	0.650	0.500	1.00	2.376	1.54	57.1	17.2	139.4	
110.0		0.00	1.41	21.936	37.07	209.53	0.650	0.500	1.00	2.357	1.53	56.8	17.1	138.7	
111.0		0.00	1.41	21.993	37.16	207.99	0.650	0.500	1.00	2.337	1.52	56.5	16.9	138.1	
112.0		0.00	1.41	22.049	37.26	206.44	0.650	0.500	1.00	2.318	1.51	56.1	16.8	137.5	
113.0		0.00	1.42	22.105	37.35	204.88	0.650	0.500	1.00	2.298	1.49	55.8	16.6	136.9	
114.0		0.00	1.42	22.161	37.45	203.32	0.650	0.500	1.00	2.278	1.48	55.5	16.5	136.3	
115.0	Appertunance(s)	0.00	1.42	22.216	37.54	201.75	0.650	0.500	1.00	2.259	1.47	55.1	16.3	135.6	
116.0		0.00	1.43	22.271	37.63	200.17	0.650	0.500	1.00	2.239	1.46	54.8	16.2	135.0	
117.0		0.00	1.43	22.326	37.73	198.59	0.650	0.500	1.00	2.220	1.44	54.4	16.1	134.4	
118.0	Reinf. Top	0.00	1.43	22.380	37.82	197.00	0.650	0.500	1.00	2.200	1.43	54.1	15.9	133.8	
119.0		0.00	1.44	22.434	37.91	195.40	0.650	0.500	1.00	2.181	1.42	53.7	15.8	66.3	
120.0		0.00	1.44	22.488	38.00	193.80	0.650	0.500	1.00	2.161	1.40	53.4	15.6	65.7	
121.0		0.00	1.45	22.541	38.09	192.19	0.650	0.500	1.00	2.141	1.39	53.0	15.5	65.1	
122.0		0.00	1.45	22.594	38.18	190.58	0.650	0.500	1.00	2.122	1.38	52.7	15.3	64.5	
123.0		0.00	1.45	22.647	38.27	188.96	0.650	0.500	1.00	2.102	1.37	52.3	15.2	63.9	
124.0		0.00	1.46	22.700	38.36	187.34	0.650	0.500	1.00	2.083	1.35	51.9	15.0	63.2	
125.0	Appertunance(s)	0.00	1.46	22.752	38.45	185.71	0.650	0.500	1.00	2.063	1.34	51.6	14.9	62.6	
126.0		0.00	1.46	22.804	38.53	184.07	0.650	0.500	1.00	2.043	1.33	51.2	14.8	62.0	
127.0		0.00	1.47	22.855	38.62	182.43	0.650	0.500	1.00	2.024	1.32	50.8	14.6	61.4	
128.0		0.00	1.47	22.907	38.71	180.78	0.650	0.500	1.00	2.004	1.30	50.4	14.5	60.8	
129.0		0.00	1.47	22.958	38.79	179.13	0.650	0.500	1.00	1.985	1.29	50.1	14.3	60.1	
130.0		0.00	1.48	23.008	38.88	177.47	0.650	0.500	1.00	1.965	1.28	49.7	14.2	59.5	
131.0		0.00	1.48	23.059	38.96	175.80	0.650	0.500	1.00	1.946	1.26	49.3	14.0	58.9	
132.0		0.00	1.48	23.109	39.05	174.14	0.650	0.500	1.00	1.926	1.25	48.9	13.9	58.3	
133.0		0.00	1.48	23.159	39.13	172.46	0.650	0.500	1.00	1.906	1.24	48.5	13.7	57.7	
134.0	Appertunance(s)	0.00	1.49	23.208	39.22	170.78	0.650	0.500	1.00	1.887	1.23	48.1	13.6	57.0	
135.0		0.00	1.49	23.258	39.30	169.10	0.650	0.500	1.00	1.867	1.21	47.7	13.4	56.4	
136.0		0.00	1.49	23.307	39.38	167.41	0.650	0.500	1.00	1.848	1.20	47.3	13.3	55.8	
137.0		0.00	1.50	23.356	39.47	165.71	0.650	0.500	1.00	1.828	1.19	46.9	13.2	55.2	
138.0		0.00	1.50	23.404	39.55	164.01	0.650	0.500	1.00	1.808	1.18	46.5	13.0	54.6	
139.0		0.00	1.50	23.453	39.63	162.31	0.650	0.500	1.00	1.789	1.16	46.1	12.9	53.9	
140.0		0.00	1.51	23.501	39.71	160.60	0.650	0.500	1.00	1.769	1.15	45.7	12.7	53.3	
141.0		0.00	1.51	23.548	39.79	158.88	0.650	0.500	1.00	1.750	1.14	45.3	12.6	52.7	
142.0		0.00	1.51	23.596	39.87	157.16	0.650	0.500	1.00	1.730	1.12	44.8	12.4	52.1	
143.0	Appertunance(s)	0.00	1.52	23.643	39.95	155.44	0.650	0.500	1.00	1.711	1.11	44.4	12.3	51.5	
144.0		0.00	1.52	23.691	40.03	153.71	0.650	0.500	1.00	1.691	1.10	44.0	12.1	50.8	
145.0		0.00	1.52	23.737	40.11	151.98	0.650	0.500	1.00	1.671	1.09	43.6	12.0	50.2	
146.0		0.00	1.52	23.784	40.19	150.24	0.650	0.500	1.00	1.652	1.07	43.2	11.9	49.6	
147.0		0.00	1.53	23.831	40.27	148.50	0.650	0.500	1.00	1.632	1.06	42.7	11.7	49.0	
148.0		0.00	1.53	23.877	40.35	146.75	0.650	0.500	1.00	1.613	1.05	42.3	11.6	48.3	
149.0	Appertunance(s)	0.00	1.53	23.923	40.42	145.00	0.650	0.500	1.00	1.593	1.04	41.9	11.4	47.7	
Totals:										149.00			9,160.6	3,259.0	29,677.4

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
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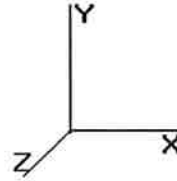
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:03 AM

Page: 25

Base Elev : 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Discrete Appurtenance Segment Forces

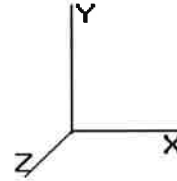
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
105.0	Stand-Off	1	21.646	36.582	1.00	3.00	0.000	0.000	109.75	0.00	0.00	100.00
105.0	Pacific Wireless HDD	1	21.646	36.582	1.00	12.76	0.000	0.000	466.79	0.00	0.00	57.70
105.0	Proxim 5054-R-LR	1	21.646	36.582	0.50	1.00	0.000	0.000	36.58	0.00	0.00	10.00
115.0	RFS APXV18-206517S-	3	22.216	37.545	0.68	11.93	0.000	0.000	448.07	0.00	0.00	159.39
125.0	Raycap DC6-48-60-18-	4	22.752	38.451	0.50	3.34	0.000	0.000	128.43	0.00	0.00	198.00
125.0	14" x 9" TTA	6	22.752	38.451	0.33	2.89	0.000	0.000	111.15	0.00	0.00	108.00
125.0	Flat Low Profile Pla	1	22.752	38.451	0.90	28.44	0.000	0.000	1,093.54	0.00	0.00	1,700.00
125.0	Ericsson RRUS A2	6	22.752	38.451	0.33	4.26	0.000	0.000	163.68	0.00	0.00	152.40
125.0	Ericsson RRUS-11 800	6	22.752	38.451	0.50	9.87	0.000	0.000	379.51	0.00	0.00	453.84
125.0	Ericsson RRUS-11 190	3	22.752	38.451	0.50	4.93	0.000	0.000	189.75	0.00	0.00	189.90
125.0	Ericsson RRUS-12 800	3	22.752	38.451	0.50	5.26	0.000	0.000	202.44	0.00	0.00	243.60
125.0	Ericsson RRUS-12 190	3	22.752	38.451	0.50	5.26	0.000	0.000	202.44	0.00	0.00	243.60
125.0	Ericsson RRUS E2 B29	3	22.752	38.451	0.50	6.11	0.000	0.000	234.74	0.00	0.00	199.50
125.0	Ericsson RRUS-32	3	22.752	38.451	0.50	6.45	0.000	0.000	248.01	0.00	0.00	314.70
125.0	CCI HPA-65R-BUU-H8	12	22.752	38.451	0.66	113.65	0.000	0.000	4,369.99	0.00	0.00	1,701.24
134.0	RFS FD9R6004/2C-3L	6	23.208	39.222	0.33	0.99	0.000	0.000	38.83	0.00	0.00	32.40
134.0	Antel BXA 185085/12C	3	23.208	39.222	0.72	11.82	0.000	0.000	463.42	0.00	0.00	121.38
134.0	Alcatel-Lucent RRH2x	3	23.109	39.054	0.50	4.30	0.000	-2.000	168.13	0.00	-336.25	184.20
134.0	Antel BXA BXA-171063	3	23.208	39.222	0.72	11.77	0.000	0.000	461.72	0.00	0.00	127.20
134.0	RFS DB-T1-6Z-8AB-OZ	1	23.208	39.222	0.67	4.07	0.000	0.000	159.78	0.00	0.00	144.50
134.0	Commscope LNX-	3	23.208	39.222	0.69	19.13	0.000	0.000	750.19	0.00	0.00	267.90
134.0	Andrew	3	23.208	39.222	0.63	12.28	0.000	0.000	481.62	0.00	0.00	156.64
134.0	Round Low Profile PI	1	23.208	39.222	0.90	24.48	0.000	0.000	960.15	0.00	0.00	1,700.00
143.0	Flat Low Profile Pla	1	23.643	39.957	1.00	31.60	0.000	0.000	1,262.65	0.00	0.00	1,700.00
143.0	RFS APX16PV-16PVL-	6	23.643	39.957	0.59	25.83	0.000	0.000	1,032.29	0.00	0.00	423.88
143.0	Andrew	3	23.643	39.957	0.33	0.75	0.000	0.000	30.06	0.00	0.00	48.90
143.0	Andrew	3	23.643	39.957	0.33	0.61	0.000	0.000	24.53	0.00	0.00	43.56
149.0	Clearwire Mount	1	23.923	40.429	0.90	9.45	0.000	0.000	382.06	0.00	0.00	50.00
149.0	DragonWave A-ANT-	2	24.014	40.584	0.90	9.09	0.000	2.000	368.91	0.00	737.81	110.20
149.0	NextNet BTS-2500	3	24.014	40.584	0.33	2.41	0.000	2.000	97.63	0.00	195.26	144.90
149.0	Argus LLPX310R	3	24.014	40.584	0.62	9.97	0.000	2.000	404.60	0.00	809.21	163.50
149.0	DragonWave Horizon	3	24.014	40.584	0.33	0.57	0.000	2.000	23.30	0.00	46.60	51.00
149.0	DragonWave A-ANT-	1	24.014	40.584	0.90	1.65	0.000	2.000	66.84	0.00	133.68	25.10
									15,561.58			11,327.12

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
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12/22/2014 11:58:04 AM

Page: 26

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

Linear Appurtenance Segment Forces

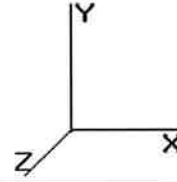
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Weight (lb/ft)	CaAa (sf/ft)	qz (psf)	FX (lb)	Dead Load (lb)
1.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
2.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
3.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
4.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
5.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
6.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
7.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
8.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
9.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
10.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
11.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
12.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
13.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
14.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
15.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
16.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
17.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
18.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
19.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
20.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
21.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
22.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
23.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
24.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
25.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
26.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
27.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
28.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
29.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
30.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
31.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
32.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
33.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.551	11.83	0.00
34.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.684	11.93	0.00
35.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.815	12.03	0.00
36.00	(4) Dywidag	Yes	1.00	0.00	0.45	15.943	12.12	0.00
37.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.068	12.22	0.00
38.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.191	12.31	0.00
39.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.311	12.40	0.00
40.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.430	12.49	0.00
41.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.546	12.58	0.00
42.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.660	12.67	0.00
43.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.773	12.76	0.00
44.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.883	12.84	0.00
45.00	(4) Dywidag	Yes	1.00	0.00	0.45	16.992	12.92	0.00
46.00	(4) Dywidag	Yes	1.00	0.00	0.45	17.099	13.00	0.00
47.00	(4) Dywidag	Yes	1.00	0.00	0.45	17.204	13.08	0.00
48.00	(4) Dywidag	Yes	1.00	0.00	0.45	17.308	13.16	0.00
49.00	(4) Dywidag	Yes	1.00	0.00	0.45	17.411	13.24	0.00
50.00	(4) Dywidag	Yes	1.00	0.00	0.45	17.511	13.32	0.00
51.00	(4) Dywidag	Yes	1.00	0.00	0.45	17.611	13.39	0.00

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code : TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:04 AM

Page : 29

Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Applied Segment Forces Summary

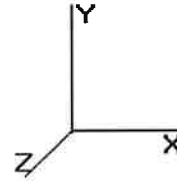
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	87.12	307.71	0.00	0.00
2.00	86.79	306.61	0.00	0.00
3.00	86.45	305.51	0.00	0.00
4.00	86.12	304.42	0.00	0.00
5.00	85.78	354.73	0.00	0.00
6.00	85.45	353.63	0.00	0.00
7.00	85.12	352.54	0.00	0.00
8.00	84.78	351.44	0.00	0.00
9.00	84.45	350.34	0.00	0.00
10.00	84.11	349.25	0.00	0.00
11.00	83.78	348.15	0.00	0.00
12.00	83.44	347.05	0.00	0.00
13.00	83.11	345.96	0.00	0.00
14.00	82.77	344.86	0.00	0.00
15.00	82.44	343.76	0.00	0.00
16.00	82.11	342.67	0.00	0.00
17.00	81.77	341.57	0.00	0.00
18.00	81.44	340.47	0.00	0.00
19.00	81.10	339.38	0.00	0.00
20.00	80.77	338.28	0.00	0.00
21.00	80.43	337.18	0.00	0.00
22.00	80.10	336.09	0.00	0.00
23.00	79.76	334.99	0.00	0.00
24.00	79.43	333.89	0.00	0.00
25.00	79.09	332.80	0.00	0.00
26.00	78.76	331.70	0.00	0.00
27.00	78.43	330.60	0.00	0.00
28.00	78.09	329.51	0.00	0.00
29.00	77.76	328.41	0.00	0.00
30.00	77.42	327.31	0.00	0.00
31.00	77.09	326.22	0.00	0.00
32.00	76.75	325.12	0.00	0.00
33.00	76.42	324.02	0.00	0.00
34.00	76.74	322.93	0.00	0.00
35.00	77.03	321.83	0.00	0.00
36.00	77.31	320.73	0.00	0.00
37.00	77.58	319.64	0.00	0.00
38.00	77.82	318.54	0.00	0.00
39.00	78.05	317.44	0.00	0.00
40.00	78.26	316.35	0.00	0.00
41.00	78.46	315.25	0.00	0.00
42.00	78.64	314.15	0.00	0.00
43.00	78.81	313.06	0.00	0.00
44.00	78.97	311.96	0.00	0.00
45.00	79.11	310.86	0.00	0.00
46.00	79.24	309.77	0.00	0.00
47.00	79.36	308.67	0.00	0.00
48.00	79.47	307.57	0.00	0.00
49.00	80.56	444.99	0.00	0.00

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12/22/2014 11:58:04 AM

Page: 31

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

104.0	75.09	193.87	0.00	0.00
105.0	687.95	360.95	0.00	0.00
106.0	74.57	188.86	0.00	0.00
107.0	74.30	188.24	0.00	0.00
108.0	74.03	187.62	0.00	0.00
109.0	73.75	187.00	0.00	0.00
110.0	73.47	186.38	0.00	0.00
111.0	73.19	185.76	0.00	0.00
112.0	72.90	185.13	0.00	0.00
113.0	72.61	184.51	0.00	0.00
114.0	72.32	183.89	0.00	0.00
115.0	520.09	342.66	0.00	0.00
116.0	71.72	177.73	0.00	0.00
117.0	71.42	177.11	0.00	0.00
118.0	71.11	176.49	0.00	0.00
119.0	70.80	109.07	0.00	0.00
120.0	70.48	108.45	0.00	0.00
121.0	70.17	107.83	0.00	0.00
122.0	69.85	107.21	0.00	0.00
123.0	60.91	106.59	0.00	0.00
124.0	51.93	105.97	0.00	0.00
125.0	7,375.25	5,610.12	0.00	0.00
126.0	51.19	90.12	0.00	0.00
127.0	50.81	89.50	0.00	0.00
128.0	50.43	88.88	0.00	0.00
129.0	50.05	88.26	0.00	0.00
130.0	49.67	87.64	0.00	0.00
131.0	49.28	87.02	0.00	0.00
132.0	48.89	86.40	0.00	0.00
133.0	48.50	85.78	0.00	0.00
134.0	3,531.94	2,819.37	0.00	-336.25
135.0	47.71	73.09	0.00	0.00
136.0	47.30	72.47	0.00	0.00
137.0	46.90	71.84	0.00	0.00
138.0	46.50	71.22	0.00	0.00
139.0	46.09	70.60	0.00	0.00
140.0	45.68	69.98	0.00	0.00
141.0	45.26	69.36	0.00	0.00
142.0	44.85	68.74	0.00	0.00
143.0	2,393.97	2,284.46	0.00	0.00
144.0	44.01	55.20	0.00	0.00
145.0	43.58	54.58	0.00	0.00
146.0	43.16	53.96	0.00	0.00
147.0	42.73	53.34	0.00	0.00
148.0	42.30	52.72	0.00	0.00
149.0	1,385.20	596.79	0.00	1,922.56
Totals:	26,450.62	47,529.86	0.00	1,586.31

Pole : 243036
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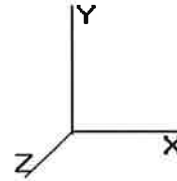
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:04 AM

Page: 32

Base Elev: 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Calculated Shaft Forces and Deflections

Seg Elev (ft)	Lateral FX (-) (kips)	Axial FY (-) (kips)	Lateral FZ (kips)	Moment MX (ft-kips)	Torsion MY (ft-kips)	Moment MZ (ft-kips)	X Deflect (in)	Z Deflect (in)	Total Deflect (in)	Rotation (deg)
0.00	-26.462	-47.522	0.000	0.000	0.000	-2,883.439	0.000	0.000	0.000	0.000
1.00	-26.398	-47.202	0.000	0.000	0.000	-2,856.977	-0.003	0.000	0.003	-0.028
2.00	-26.334	-46.882	0.000	0.000	0.000	-2,830.580	-0.012	0.000	0.012	-0.056
3.00	-26.270	-46.564	0.000	0.000	0.000	-2,804.247	-0.027	0.000	0.027	-0.084
4.00	-26.206	-46.247	0.000	0.000	0.000	-2,777.978	-0.048	0.000	0.048	-0.112
5.00	-26.142	-45.880	0.000	0.000	0.000	-2,751.773	-0.075	0.000	0.075	-0.140
6.00	-26.078	-45.513	0.000	0.000	0.000	-2,725.631	-0.108	0.000	0.108	-0.169
7.00	-26.014	-45.148	0.000	0.000	0.000	-2,699.554	-0.147	0.000	0.147	-0.197
8.00	-25.950	-44.784	0.000	0.000	0.000	-2,673.540	-0.191	0.000	0.191	-0.226
9.00	-25.887	-44.421	0.000	0.000	0.000	-2,647.590	-0.242	0.000	0.242	-0.254
10.00	-25.823	-44.059	0.000	0.000	0.000	-2,621.704	-0.299	0.000	0.299	-0.283
11.00	-25.759	-43.699	0.000	0.000	0.000	-2,595.882	-0.361	0.000	0.361	-0.312
12.00	-25.696	-43.339	0.000	0.000	0.000	-2,570.123	-0.430	0.000	0.430	-0.340
13.00	-25.632	-42.981	0.000	0.000	0.000	-2,544.428	-0.504	0.000	0.504	-0.369
14.00	-25.569	-42.624	0.000	0.000	0.000	-2,518.796	-0.585	0.000	0.585	-0.398
15.00	-25.505	-42.268	0.000	0.000	0.000	-2,493.228	-0.672	0.000	0.672	-0.427
16.00	-25.442	-41.913	0.000	0.000	0.000	-2,467.724	-0.765	0.000	0.765	-0.456
17.00	-25.378	-41.559	0.000	0.000	0.000	-2,442.282	-0.864	0.000	0.864	-0.485
18.00	-25.315	-41.206	0.000	0.000	0.000	-2,416.905	-0.969	0.000	0.969	-0.515
19.00	-25.251	-40.855	0.000	0.000	0.000	-2,391.590	-1.080	0.000	1.080	-0.544
20.00	-25.188	-40.504	0.000	0.000	0.000	-2,366.340	-1.197	0.000	1.197	-0.573
21.00	-25.125	-40.155	0.000	0.000	0.000	-2,341.152	-1.321	0.000	1.321	-0.603
22.00	-25.062	-39.807	0.000	0.000	0.000	-2,316.027	-1.451	0.000	1.451	-0.632
23.00	-24.999	-39.460	0.000	0.000	0.000	-2,290.966	-1.587	0.000	1.587	-0.662
24.00	-24.935	-39.114	0.000	0.000	0.000	-2,265.968	-1.729	0.000	1.729	-0.691
25.00	-24.872	-38.770	0.000	0.000	0.000	-2,241.033	-1.877	0.000	1.877	-0.721
26.00	-24.809	-38.426	0.000	0.000	0.000	-2,216.161	-2.031	0.000	2.031	-0.751
27.00	-24.746	-38.084	0.000	0.000	0.000	-2,191.352	-2.192	0.000	2.192	-0.780
28.00	-24.683	-37.742	0.000	0.000	0.000	-2,166.607	-2.359	0.000	2.359	-0.810
29.00	-24.620	-37.402	0.000	0.000	0.000	-2,141.924	-2.532	0.000	2.532	-0.840
30.00	-24.557	-37.063	0.000	0.000	0.000	-2,117.304	-2.712	0.000	2.712	-0.870
31.00	-24.495	-36.725	0.000	0.000	0.000	-2,092.747	-2.897	0.000	2.897	-0.900
32.00	-24.432	-36.389	0.000	0.000	0.000	-2,068.253	-3.090	0.000	3.090	-0.930
33.00	-24.369	-36.053	0.000	0.000	0.000	-2,043.822	-3.288	0.000	3.288	-0.961
34.00	-24.306	-35.719	0.000	0.000	0.000	-2,019.453	-3.493	0.000	3.493	-0.991
35.00	-24.242	-35.385	0.000	0.000	0.000	-1,995.148	-3.704	0.000	3.704	-1.021
36.00	-24.177	-35.053	0.000	0.000	0.000	-1,970.906	-3.921	0.000	3.921	-1.051
37.00	-24.112	-34.722	0.000	0.000	0.000	-1,946.729	-4.145	0.000	4.145	-1.082
38.00	-24.046	-34.393	0.000	0.000	0.000	-1,922.618	-4.375	0.000	4.375	-1.112
39.00	-23.980	-34.064	0.000	0.000	0.000	-1,898.572	-4.611	0.000	4.611	-1.143
40.00	-23.914	-33.737	0.000	0.000	0.000	-1,874.592	-4.854	0.000	4.854	-1.173
41.00	-23.846	-33.410	0.000	0.000	0.000	-1,850.679	-5.104	0.000	5.104	-1.204
42.00	-23.779	-33.085	0.000	0.000	0.000	-1,826.833	-5.359	0.000	5.359	-1.234
43.00	-23.711	-32.761	0.000	0.000	0.000	-1,803.054	-5.621	0.000	5.621	-1.265
44.00	-23.642	-32.439	0.000	0.000	0.000	-1,779.344	-5.890	0.000	5.890	-1.295
45.00	-23.573	-32.117	0.000	0.000	0.000	-1,755.702	-6.165	0.000	6.165	-1.326
46.00	-23.504	-31.797	0.000	0.000	0.000	-1,732.130	-6.446	0.000	6.446	-1.357
47.00	-23.434	-31.477	0.000	0.000	0.000	-1,708.626	-6.734	0.000	6.734	-1.388
48.00	-23.364	-31.159	0.000	0.000	0.000	-1,685.193	-7.028	0.000	7.028	-1.418
49.00	-23.288	-30.704	0.000	0.000	0.000	-1,661.829	-7.329	0.000	7.329	-1.449
50.00	-23.213	-30.251	0.000	0.000	0.000	-1,638.541	-7.636	0.000	7.636	-1.480

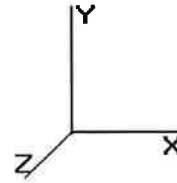
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12/22/2014 11:58:04 AM

Page: 33

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Load Case: Ice	77.94 mph Wind with Ice	29 Iterations
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51.00	-23.136	-29.799	0.000	0.000	0.000	-1,615.329	-7.949	0.000	7.949	-1.510
52.00	-23.060	-29.350	0.000	0.000	0.000	-1,592.193	-8.269	0.000	8.269	-1.541
53.00	-22.976	-28.907	0.000	0.000	0.000	-1,569.134	-8.596	0.000	8.596	-1.571
53.25	-22.961	-28.793	0.000	0.000	0.000	-1,563.390	-8.678	0.000	8.678	-1.579
54.00	-22.909	-28.575	0.000	0.000	0.000	-1,546.169	-8.928	0.000	8.928	-1.602
55.00	-22.836	-28.288	0.000	0.000	0.000	-1,523.261	-9.268	0.000	9.268	-1.635
56.00	-22.764	-28.002	0.000	0.000	0.000	-1,500.425	-9.614	0.000	9.614	-1.668
57.00	-22.691	-27.717	0.000	0.000	0.000	-1,477.662	-9.967	0.000	9.967	-1.701
58.00	-22.617	-27.433	0.000	0.000	0.000	-1,454.972	-10.328	0.000	10.328	-1.734
59.00	-22.544	-27.150	0.000	0.000	0.000	-1,432.355	-10.695	0.000	10.695	-1.767
60.00	-22.470	-26.868	0.000	0.000	0.000	-1,409.812	-11.069	0.000	11.069	-1.800
61.00	-22.395	-26.587	0.000	0.000	0.000	-1,387.342	-11.450	0.000	11.450	-1.833
62.00	-22.321	-26.307	0.000	0.000	0.000	-1,364.947	-11.838	0.000	11.838	-1.866
63.00	-22.246	-26.028	0.000	0.000	0.000	-1,342.627	-12.232	0.000	12.232	-1.899
64.00	-22.171	-25.750	0.000	0.000	0.000	-1,320.381	-12.634	0.000	12.634	-1.932
65.00	-22.096	-25.474	0.000	0.000	0.000	-1,298.210	-13.042	0.000	13.042	-1.965
66.00	-22.020	-25.198	0.000	0.000	0.000	-1,276.115	-13.458	0.000	13.458	-1.998
67.00	-21.944	-24.923	0.000	0.000	0.000	-1,254.095	-13.880	0.000	13.880	-2.030
68.00	-21.868	-24.650	0.000	0.000	0.000	-1,232.151	-14.309	0.000	14.309	-2.063
69.00	-21.792	-24.377	0.000	0.000	0.000	-1,210.283	-14.745	0.000	14.745	-2.095
70.00	-21.716	-24.106	0.000	0.000	0.000	-1,188.491	-15.188	0.000	15.188	-2.128
71.00	-21.639	-23.835	0.000	0.000	0.000	-1,166.775	-15.637	0.000	15.637	-2.160
72.00	-21.562	-23.566	0.000	0.000	0.000	-1,145.137	-16.093	0.000	16.093	-2.193
73.00	-21.485	-23.298	0.000	0.000	0.000	-1,123.575	-16.556	0.000	16.556	-2.225
74.00	-21.408	-23.030	0.000	0.000	0.000	-1,102.090	-17.026	0.000	17.026	-2.257
75.00	-21.330	-22.764	0.000	0.000	0.000	-1,080.683	-17.502	0.000	17.502	-2.289
76.00	-21.253	-22.499	0.000	0.000	0.000	-1,059.353	-17.985	0.000	17.985	-2.321
77.00	-21.175	-22.235	0.000	0.000	0.000	-1,038.100	-18.475	0.000	18.475	-2.352
78.00	-21.097	-21.972	0.000	0.000	0.000	-1,016.926	-18.972	0.000	18.972	-2.384
79.00	-21.019	-21.710	0.000	0.000	0.000	-995.829	-19.475	0.000	19.475	-2.416
80.00	-20.941	-21.450	0.000	0.000	0.000	-974.810	-19.984	0.000	19.984	-2.447
81.00	-20.862	-21.190	0.000	0.000	0.000	-953.870	-20.500	0.000	20.500	-2.478
82.00	-20.784	-20.931	0.000	0.000	0.000	-933.008	-21.023	0.000	21.023	-2.509
83.00	-20.705	-20.674	0.000	0.000	0.000	-912.225	-21.552	0.000	21.552	-2.540
84.00	-20.626	-20.417	0.000	0.000	0.000	-891.520	-22.087	0.000	22.087	-2.571
85.00	-20.547	-20.162	0.000	0.000	0.000	-870.894	-22.629	0.000	22.629	-2.601
86.00	-20.468	-19.908	0.000	0.000	0.000	-850.347	-23.178	0.000	23.178	-2.631
87.00	-20.389	-19.655	0.000	0.000	0.000	-829.879	-23.732	0.000	23.732	-2.661
88.00	-20.310	-19.403	0.000	0.000	0.000	-809.491	-24.293	0.000	24.293	-2.691
89.00	-20.230	-19.152	0.000	0.000	0.000	-789.181	-24.860	0.000	24.860	-2.721
90.00	-20.151	-18.902	0.000	0.000	0.000	-768.951	-25.433	0.000	25.433	-2.750
91.00	-20.071	-18.653	0.000	0.000	0.000	-748.800	-26.013	0.000	26.013	-2.779
92.00	-19.992	-18.405	0.000	0.000	0.000	-728.729	-26.598	0.000	26.598	-2.808
93.00	-19.912	-18.159	0.000	0.000	0.000	-708.738	-27.190	0.000	27.190	-2.837
94.00	-19.832	-17.913	0.000	0.000	0.000	-688.826	-27.787	0.000	27.787	-2.865
95.00	-19.752	-17.669	0.000	0.000	0.000	-668.994	-28.390	0.000	28.390	-2.893
96.00	-19.672	-17.426	0.000	0.000	0.000	-649.242	-28.999	0.000	28.999	-2.920
97.00	-19.592	-17.185	0.000	0.000	0.000	-629.570	-29.614	0.000	29.614	-2.948
97.75	-19.530	-17.006	0.000	0.000	0.000	-614.876	-30.079	0.000	30.079	-2.968
98.00	-19.512	-16.928	0.000	0.000	0.000	-609.994	-30.235	0.000	30.235	-2.975
99.00	-19.428	-16.628	0.000	0.000	0.000	-590.483	-30.861	0.000	30.861	-3.001
100.0	-19.343	-16.330	0.000	0.000	0.000	-571.056	-31.492	0.000	31.492	-3.027
101.0	-19.258	-16.035	0.000	0.000	0.000	-551.712	-32.129	0.000	32.129	-3.053
101.5	-19.215	-15.887	0.000	0.000	0.000	-542.084	-32.450	0.000	32.450	-3.065
102.0	-19.179	-15.784	0.000	0.000	0.000	-532.476	-32.771	0.000	32.771	-3.078
103.0	-19.101	-15.584	0.000	0.000	0.000	-513.297	-33.420	0.000	33.420	-3.108
104.0	-19.023	-15.385	0.000	0.000	0.000	-494.197	-34.074	0.000	34.074	-3.137

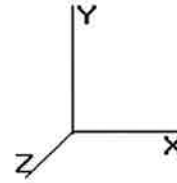
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code : TIA/EIA-222 Rev F

12/22/2014 11:58:04 AM

Page : 34

Base Elev : 0.000 (ft)



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

105.0	-18.324	-15.053	0.000	0.000	0.000	-475.173	-34.735	0.000	34.735	-3.166
106.0	-18.246	-14.860	0.000	0.000	0.000	-456.849	-35.401	0.000	35.401	-3.194
107.0	-18.169	-14.668	0.000	0.000	0.000	-438.603	-36.074	0.000	36.074	-3.221
108.0	-18.091	-14.476	0.000	0.000	0.000	-420.435	-36.752	0.000	36.752	-3.248
109.0	-18.013	-14.286	0.000	0.000	0.000	-402.344	-37.435	0.000	37.435	-3.274
110.0	-17.935	-14.096	0.000	0.000	0.000	-384.332	-38.124	0.000	38.124	-3.299
111.0	-17.857	-13.907	0.000	0.000	0.000	-366.397	-38.818	0.000	38.818	-3.324
112.0	-17.779	-13.719	0.000	0.000	0.000	-348.540	-39.517	0.000	39.517	-3.348
113.0	-17.701	-13.532	0.000	0.000	0.000	-330.761	-40.221	0.000	40.221	-3.371
114.0	-17.623	-13.346	0.000	0.000	0.000	-313.060	-40.930	0.000	40.930	-3.393
115.0	-17.089	-13.029	0.000	0.000	0.000	-295.437	-41.644	0.000	41.644	-3.415
116.0	-17.011	-12.850	0.000	0.000	0.000	-278.348	-42.362	0.000	42.362	-3.435
117.0	-16.933	-12.672	0.000	0.000	0.000	-261.337	-43.084	0.000	43.084	-3.455
118.0	-16.856	-12.494	0.000	0.000	0.000	-244.404	-43.810	0.000	43.810	-3.474
119.0	-16.786	-12.379	0.000	0.000	0.000	-227.548	-44.540	0.000	44.540	-3.492
120.0	-16.721	-12.260	0.000	0.000	0.000	-210.763	-45.277	0.000	45.277	-3.546
121.0	-16.655	-12.142	0.000	0.000	0.000	-194.042	-46.026	0.000	46.026	-3.597
122.0	-16.588	-12.026	0.000	0.000	0.000	-177.388	-46.785	0.000	46.785	-3.646
123.0	-16.529	-11.911	0.000	0.000	0.000	-160.801	-47.554	0.000	47.554	-3.691
124.0	-16.479	-11.797	0.000	0.000	0.000	-144.272	-48.332	0.000	48.332	-3.733
125.0	-8.756	-6.677	0.000	0.000	0.000	-127.793	-49.118	0.000	49.118	-3.772
126.0	-8.703	-6.585	0.000	0.000	0.000	-119.037	-49.912	0.000	49.912	-3.808
127.0	-8.650	-6.494	0.000	0.000	0.000	-110.334	-50.713	0.000	50.713	-3.843
128.0	-8.598	-6.404	0.000	0.000	0.000	-101.684	-51.521	0.000	51.521	-3.876
129.0	-8.545	-6.315	0.000	0.000	0.000	-93.087	-52.336	0.000	52.336	-3.907
130.0	-8.493	-6.226	0.000	0.000	0.000	-84.542	-53.158	0.000	53.158	-3.937
131.0	-8.440	-6.139	0.000	0.000	0.000	-76.049	-53.985	0.000	53.985	-3.964
132.0	-8.388	-6.053	0.000	0.000	0.000	-67.609	-54.818	0.000	54.818	-3.990
133.0	-8.336	-5.967	0.000	0.000	0.000	-59.221	-55.656	0.000	55.656	-4.013
134.0	-4.616	-3.401	0.000	0.000	0.000	-50.885	-56.498	0.000	56.498	-4.034
135.0	-4.565	-3.330	0.000	0.000	0.000	-46.268	-57.345	0.000	57.345	-4.052
136.0	-4.513	-3.260	0.000	0.000	0.000	-41.704	-58.195	0.000	58.195	-4.070
137.0	-4.462	-3.190	0.000	0.000	0.000	-37.191	-59.049	0.000	59.049	-4.087
138.0	-4.412	-3.122	0.000	0.000	0.000	-32.729	-59.906	0.000	59.906	-4.102
139.0	-4.361	-3.053	0.000	0.000	0.000	-28.317	-60.766	0.000	60.766	-4.115
140.0	-4.311	-2.986	0.000	0.000	0.000	-23.956	-61.628	0.000	61.628	-4.127
141.0	-4.262	-2.919	0.000	0.000	0.000	-19.645	-62.494	0.000	62.494	-4.138
142.0	-4.212	-2.854	0.000	0.000	0.000	-15.383	-63.361	0.000	63.361	-4.146
143.0	-1.659	-0.748	0.000	0.000	0.000	-11.171	-64.229	0.000	64.229	-4.153
144.0	-1.612	-0.696	0.000	0.000	0.000	-9.512	-65.099	0.000	65.099	-4.159
145.0	-1.564	-0.645	0.000	0.000	0.000	-7.900	-65.970	0.000	65.970	-4.164
146.0	-1.517	-0.594	0.000	0.000	0.000	-6.336	-66.842	0.000	66.842	-4.168
147.0	-1.471	-0.544	0.000	0.000	0.000	-4.818	-67.714	0.000	67.714	-4.171
148.0	-1.425	-0.494	0.000	0.000	0.000	-3.347	-68.588	0.000	68.588	-4.173
149.0	-1.385	0.000	0.000	0.000	0.000	-1.923	-69.461	0.000	69.461	-4.175

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 Location : West Haven & Rt 162 CT, CT
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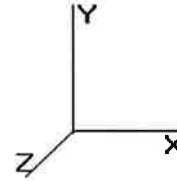
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:04 AM

Page: 35

Base Elev: 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

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

Calculated Stresses

Seg Elev (ft)	Applied Stresses							Combined (ksi)	Allowable Stress (Fb) (ksi)		Stress Ratio
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)					
0.00	0.59	0.87	0.00	0.00	0.00	31.27	31.89	52.0	0.0	0.613	
1.00	0.58	0.87	0.00	0.00	0.00	31.21	31.83	52.0	0.0	0.612	
2.00	0.58	0.87	0.00	0.00	0.00	31.16	31.77	52.0	0.0	0.611	
3.00	0.58	0.87	0.00	0.00	0.00	31.10	31.72	52.0	0.0	0.610	
4.00	0.58	0.88	0.00	0.00	0.00	31.04	31.66	52.0	0.0	0.609	
5.00	0.58	0.88	0.00	0.00	0.00	30.99	31.60	52.0	0.0	0.608	
6.00	0.57	0.88	0.00	0.00	0.00	30.93	31.54	52.0	0.0	0.607	
7.00	0.57	0.88	0.00	0.00	0.00	30.87	31.47	52.0	0.0	0.605	
8.00	0.57	0.88	0.00	0.00	0.00	30.80	31.41	52.0	0.0	0.604	
9.00	0.57	0.89	0.00	0.00	0.00	30.74	31.34	52.0	0.0	0.603	
10.00	0.56	0.89	0.00	0.00	0.00	30.68	31.28	52.0	0.0	0.602	
11.00	0.56	0.89	0.00	0.00	0.00	30.61	31.21	52.0	0.0	0.600	
12.00	0.56	0.89	0.00	0.00	0.00	30.54	31.14	52.0	0.0	0.599	
13.00	0.55	0.89	0.00	0.00	0.00	30.48	31.07	52.0	0.0	0.598	
14.00	0.55	0.90	0.00	0.00	0.00	30.41	31.00	52.0	0.0	0.596	
15.00	0.55	0.90	0.00	0.00	0.00	30.34	30.92	52.0	0.0	0.595	
16.00	0.55	0.90	0.00	0.00	0.00	30.26	30.85	52.0	0.0	0.593	
17.00	0.54	0.90	0.00	0.00	0.00	30.19	30.77	52.0	0.0	0.592	
18.00	0.54	0.90	0.00	0.00	0.00	30.12	30.70	52.0	0.0	0.591	
19.00	0.54	0.91	0.00	0.00	0.00	30.04	30.62	52.0	0.0	0.589	
20.00	0.54	0.91	0.00	0.00	0.00	29.96	30.54	52.0	0.0	0.588	
21.00	0.53	0.91	0.00	0.00	0.00	29.88	30.46	52.0	0.0	0.586	
22.00	0.53	0.91	0.00	0.00	0.00	29.80	30.37	52.0	0.0	0.584	
23.00	0.53	0.92	0.00	0.00	0.00	29.72	30.29	52.0	0.0	0.583	
24.00	0.53	0.92	0.00	0.00	0.00	29.64	30.20	52.0	0.0	0.581	
25.00	0.52	0.92	0.00	0.00	0.00	29.55	30.11	52.0	0.0	0.579	
26.00	0.52	0.92	0.00	0.00	0.00	29.46	30.03	52.0	0.0	0.578	
27.00	0.52	0.93	0.00	0.00	0.00	29.37	29.93	52.0	0.0	0.576	
28.00	0.52	0.93	0.00	0.00	0.00	29.28	29.84	52.0	0.0	0.574	
29.00	0.51	0.93	0.00	0.00	0.00	29.19	29.75	52.0	0.0	0.572	
30.00	0.51	0.93	0.00	0.00	0.00	29.10	29.65	52.0	0.0	0.570	
31.00	0.51	0.94	0.00	0.00	0.00	29.00	29.55	52.0	0.0	0.569	
32.00	0.50	0.94	0.00	0.00	0.00	28.90	29.45	52.0	0.0	0.567	
33.00	0.50	0.94	0.00	0.00	0.00	28.80	29.35	52.0	0.0	0.565	
34.00	0.50	0.94	0.00	0.00	0.00	28.70	29.25	52.0	0.0	0.563	
35.00	0.50	0.95	0.00	0.00	0.00	28.60	29.14	52.0	0.0	0.561	
36.00	0.49	0.95	0.00	0.00	0.00	28.49	29.03	52.0	0.0	0.559	
37.00	0.49	0.95	0.00	0.00	0.00	28.38	28.92	52.0	0.0	0.556	
38.00	0.49	0.95	0.00	0.00	0.00	28.27	28.81	52.0	0.0	0.554	
39.00	0.49	0.96	0.00	0.00	0.00	28.16	28.70	52.0	0.0	0.552	
40.00	0.48	0.96	0.00	0.00	0.00	28.05	28.58	52.0	0.0	0.550	
41.00	0.48	0.96	0.00	0.00	0.00	27.93	28.46	52.0	0.0	0.548	
42.00	0.48	0.96	0.00	0.00	0.00	27.81	28.34	52.0	0.0	0.545	
43.00	0.47	0.97	0.00	0.00	0.00	27.69	28.22	52.0	0.0	0.543	
44.00	0.47	0.97	0.00	0.00	0.00	27.57	28.09	52.0	0.0	0.540	
45.00	0.47	0.97	0.00	0.00	0.00	27.45	27.97	52.0	0.0	0.538	
46.00	0.47	0.97	0.00	0.00	0.00	27.32	27.84	52.0	0.0	0.536	
47.00	0.46	0.98	0.00	0.00	0.00	27.19	27.70	52.0	0.0	0.533	
48.00	0.46	0.98	0.00	0.00	0.00	27.06	27.57	52.0	0.0	0.530	
49.00	0.46	0.98	0.00	0.00	0.00	26.67	27.17	52.0	0.0	0.523	
50.00	0.45	0.99	0.00	0.00	0.00	26.53	27.03	52.0	0.0	0.520	

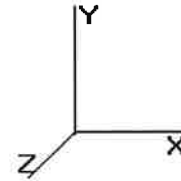
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12/22/2014 11:58:04 AM

Page: 36

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

51.00	0.45	0.99	0.00	0.00	0.00	26.39	26.89	52.0	0.0	0.517
52.00	0.44	0.99	0.00	0.00	0.00	26.24	26.74	52.0	0.0	0.514
53.00	0.44	0.99	0.00	0.00	0.00	26.10	26.59	52.0	0.0	0.512
53.25	0.49	1.17	0.00	0.00	0.00	28.65	29.21	52.0	0.0	0.562
54.00	0.48	1.17	0.00	0.00	0.00	28.52	29.08	52.0	0.0	0.559
55.00	0.48	1.18	0.00	0.00	0.00	28.35	28.90	52.0	0.0	0.556
56.00	0.48	1.18	0.00	0.00	0.00	28.17	28.72	52.0	0.0	0.553
57.00	0.48	1.18	0.00	0.00	0.00	27.99	28.54	52.0	0.0	0.549
58.00	0.47	1.19	0.00	0.00	0.00	27.80	28.35	52.0	0.0	0.545
59.00	0.47	1.19	0.00	0.00	0.00	27.61	28.16	52.0	0.0	0.542
60.00	0.47	1.19	0.00	0.00	0.00	27.42	27.97	52.0	0.0	0.538
61.00	0.46	1.20	0.00	0.00	0.00	27.23	27.77	52.0	0.0	0.534
62.00	0.46	1.20	0.00	0.00	0.00	27.03	27.57	52.0	0.0	0.530
63.00	0.46	1.20	0.00	0.00	0.00	26.83	27.37	52.0	0.0	0.527
64.00	0.45	1.21	0.00	0.00	0.00	26.63	27.16	52.0	0.0	0.523
65.00	0.45	1.21	0.00	0.00	0.00	26.42	26.95	52.0	0.0	0.518
66.00	0.45	1.22	0.00	0.00	0.00	26.21	26.74	52.0	0.0	0.514
67.00	0.45	1.22	0.00	0.00	0.00	25.99	26.52	52.0	0.0	0.510
68.00	0.44	1.22	0.00	0.00	0.00	25.77	26.30	52.0	0.0	0.506
69.00	0.44	1.23	0.00	0.00	0.00	25.55	26.08	52.0	0.0	0.502
70.00	0.44	1.23	0.00	0.00	0.00	25.32	25.85	52.0	0.0	0.497
71.00	0.43	1.23	0.00	0.00	0.00	25.09	25.62	52.0	0.0	0.493
72.00	0.43	1.24	0.00	0.00	0.00	24.86	25.38	52.0	0.0	0.488
73.00	0.43	1.24	0.00	0.00	0.00	24.62	25.14	52.0	0.0	0.484
74.00	0.42	1.25	0.00	0.00	0.00	24.38	24.90	52.0	0.0	0.479
75.00	0.42	1.25	0.00	0.00	0.00	24.13	24.65	52.0	0.0	0.474
76.00	0.42	1.25	0.00	0.00	0.00	23.88	24.40	52.0	0.0	0.469
77.00	0.41	1.26	0.00	0.00	0.00	23.63	24.14	52.0	0.0	0.464
78.00	0.41	1.26	0.00	0.00	0.00	23.37	23.88	52.0	0.0	0.459
79.00	0.41	1.27	0.00	0.00	0.00	23.11	23.62	52.0	0.0	0.454
80.00	0.41	1.27	0.00	0.00	0.00	22.84	23.35	52.0	0.0	0.449
81.00	0.40	1.27	0.00	0.00	0.00	22.57	23.07	52.0	0.0	0.444
82.00	0.40	1.28	0.00	0.00	0.00	22.29	22.79	52.0	0.0	0.439
83.00	0.40	1.28	0.00	0.00	0.00	22.01	22.51	52.0	0.0	0.433
84.00	0.39	1.29	0.00	0.00	0.00	21.72	22.22	52.0	0.0	0.428
85.00	0.39	1.29	0.00	0.00	0.00	21.43	21.93	52.0	0.0	0.422
86.00	0.39	1.30	0.00	0.00	0.00	21.13	21.63	52.0	0.0	0.416
87.00	0.38	1.30	0.00	0.00	0.00	20.83	21.33	52.0	0.0	0.410
88.00	0.38	1.30	0.00	0.00	0.00	20.52	21.02	52.0	0.0	0.404
89.00	0.38	1.31	0.00	0.00	0.00	20.20	20.71	52.0	0.0	0.398
90.00	0.37	1.31	0.00	0.00	0.00	19.88	20.39	52.0	0.0	0.392
91.00	0.37	1.32	0.00	0.00	0.00	19.56	20.06	52.0	0.0	0.386
92.00	0.37	1.32	0.00	0.00	0.00	19.23	19.73	52.0	0.0	0.380
93.00	0.36	1.33	0.00	0.00	0.00	18.89	19.39	52.0	0.0	0.373
94.00	0.36	1.33	0.00	0.00	0.00	18.55	19.05	52.0	0.0	0.367
95.00	0.36	1.34	0.00	0.00	0.00	18.20	18.71	52.0	0.0	0.360
96.00	0.35	1.34	0.00	0.00	0.00	17.85	18.35	52.0	0.0	0.353
97.00	0.35	1.35	0.00	0.00	0.00	17.49	17.99	52.0	0.0	0.346
97.75	0.35	1.35	0.00	0.00	0.00	17.21	17.72	52.0	0.0	0.341
98.00	0.35	1.35	0.00	0.00	0.00	16.94	17.45	52.0	0.0	0.336
99.00	0.34	1.36	0.00	0.00	0.00	16.57	17.08	52.0	0.0	0.329
100.00	0.34	1.36	0.00	0.00	0.00	16.19	16.70	52.0	0.0	0.321
101.00	0.33	1.37	0.00	0.00	0.00	15.81	16.31	52.0	0.0	0.314
101.50	0.43	2.25	0.00	0.00	0.00	19.16	19.98	51.0	0.0	0.392
102.00	0.43	2.25	0.00	0.00	0.00	18.91	19.73	51.1	0.0	0.386
103.00	0.42	2.26	0.00	0.00	0.00	18.40	19.22	51.2	0.0	0.375
104.00	0.42	2.27	0.00	0.00	0.00	17.87	18.71	51.4	0.0	0.364

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

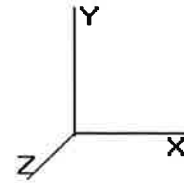
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12/22/2014 11:58:04 AM

Page: 37

Base Elev: 0.000 (ft)

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Load Case: Ice

77.94 mph Wind with Ice

29 Iterations

Gust Response Factor : 1.69

Dead Load Factor : 1.00

Wind Load Factor : 1.00

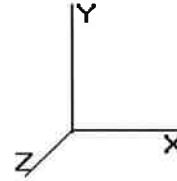
105.00	0.41	2.20	0.00	0.00	0.00	17.34	18.16	51.6	0.0	0.352
106.00	0.41	2.21	0.00	0.00	0.00	16.83	17.66	51.8	0.0	0.341
107.00	0.41	2.22	0.00	0.00	0.00	16.31	17.15	52.0	0.0	0.330
108.00	0.40	2.23	0.00	0.00	0.00	15.78	16.64	52.0	0.0	0.320
109.00	0.40	2.24	0.00	0.00	0.00	15.24	16.11	52.0	0.0	0.310
110.00	0.39	2.25	0.00	0.00	0.00	14.69	15.58	52.0	0.0	0.300
111.00	0.39	2.26	0.00	0.00	0.00	14.14	15.05	52.0	0.0	0.290
112.00	0.39	2.27	0.00	0.00	0.00	13.58	14.51	52.0	0.0	0.279
113.00	0.38	2.28	0.00	0.00	0.00	13.01	13.96	52.0	0.0	0.269
114.00	0.38	2.29	0.00	0.00	0.00	12.43	13.41	52.0	0.0	0.258
115.00	0.37	2.24	0.00	0.00	0.00	11.84	12.81	52.0	0.0	0.247
116.00	0.37	2.25	0.00	0.00	0.00	11.26	12.27	52.0	0.0	0.236
117.00	0.37	2.26	0.00	0.00	0.00	10.67	11.71	52.0	0.0	0.225
118.00	0.36	2.27	0.00	0.00	0.00	10.08	11.16	52.0	0.0	0.215
118.00	0.84	2.27	0.00	0.00	0.00	31.68	32.75	52.0	0.0	0.630
119.00	0.84	2.29	0.00	0.00	0.00	30.06	31.15	52.0	0.0	0.599
120.00	0.84	2.30	0.00	0.00	0.00	28.38	29.48	52.0	0.0	0.567
121.00	0.84	2.31	0.00	0.00	0.00	26.63	27.76	52.0	0.0	0.534
122.00	0.84	2.33	0.00	0.00	0.00	24.82	25.97	52.0	0.0	0.500
123.00	0.84	2.34	0.00	0.00	0.00	22.95	24.13	52.0	0.0	0.464
124.00	0.84	2.36	0.00	0.00	0.00	21.00	22.22	52.0	0.0	0.427
125.00	0.48	1.26	0.00	0.00	0.00	18.98	19.58	52.0	0.0	0.377
126.00	0.48	1.27	0.00	0.00	0.00	18.04	18.65	52.0	0.0	0.359
127.00	0.47	1.27	0.00	0.00	0.00	17.07	17.68	52.0	0.0	0.340
128.00	0.47	1.28	0.00	0.00	0.00	16.06	16.68	52.0	0.0	0.321
129.00	0.47	1.29	0.00	0.00	0.00	15.01	15.64	52.0	0.0	0.301
130.00	0.47	1.29	0.00	0.00	0.00	13.92	14.56	52.0	0.0	0.280
131.00	0.47	1.30	0.00	0.00	0.00	12.79	13.45	52.0	0.0	0.259
132.00	0.47	1.30	0.00	0.00	0.00	11.62	12.29	52.0	0.0	0.237
133.00	0.46	1.31	0.00	0.00	0.00	10.40	11.10	52.0	0.0	0.214
134.00	0.27	0.73	0.00	0.00	0.00	9.14	9.49	52.0	0.0	0.183
135.00	0.27	0.73	0.00	0.00	0.00	8.49	8.85	52.0	0.0	0.170
136.00	0.26	0.73	0.00	0.00	0.00	7.83	8.19	52.0	0.0	0.158
137.00	0.26	0.73	0.00	0.00	0.00	7.14	7.51	52.0	0.0	0.145
138.00	0.26	0.73	0.00	0.00	0.00	6.43	6.81	52.0	0.0	0.131
139.00	0.25	0.73	0.00	0.00	0.00	5.70	6.09	52.0	0.0	0.117
140.00	0.25	0.73	0.00	0.00	0.00	4.93	5.34	52.0	0.0	0.103
141.00	0.25	0.73	0.00	0.00	0.00	4.14	4.57	52.0	0.0	0.088
142.00	0.25	0.73	0.00	0.00	0.00	3.32	3.79	52.0	0.0	0.073
143.00	0.07	0.29	0.00	0.00	0.00	2.47	2.59	52.0	0.0	0.050
144.00	0.06	0.29	0.00	0.00	0.00	2.16	2.28	52.0	0.0	0.044
145.00	0.06	0.28	0.00	0.00	0.00	1.84	1.96	52.0	0.0	0.038
146.00	0.05	0.28	0.00	0.00	0.00	1.51	1.64	52.0	0.0	0.032
147.00	0.05	0.27	0.00	0.00	0.00	1.18	1.32	52.0	0.0	0.025
148.00	0.05	0.27	0.00	0.00	0.00	0.84	1.00	52.0	0.0	0.019
149.00	0.00	0.26	0.00	0.00	0.00	0.50	0.67	52.0	0.0	0.013

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:04 AM

Page: 38

Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Shaft Segment Forces

Seg Top Elev (ft)	Description	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		0.00	1.00	6.400	10.81	216.70	0.650	0.000	0.00	0.000	0.00	0.0	0.0	
1.00		0.00	1.00	6.400	10.81	215.72	0.650	0.000	1.00	4.324	2.81	30.4	0.0	275.4
2.00		0.00	1.00	6.400	10.81	214.74	0.650	0.000	1.00	4.305	2.80	30.3	0.0	274.5
3.00		0.00	1.00	6.400	10.81	213.77	0.650	0.000	1.00	4.285	2.79	30.1	0.0	273.5
4.00		0.00	1.00	6.400	10.81	212.79	0.650	0.000	1.00	4.266	2.77	30.0	0.0	272.6
5.00		0.00	1.00	6.400	10.81	211.81	0.650	0.000	1.00	4.246	2.76	29.9	0.0	271.6
6.00		0.00	1.00	6.400	10.81	210.83	0.650	0.000	1.00	4.226	2.75	29.7	0.0	270.7
7.00		0.00	1.00	6.400	10.81	209.85	0.650	0.000	1.00	4.207	2.73	29.6	0.0	269.7
8.00		0.00	1.00	6.400	10.81	208.87	0.650	0.000	1.00	4.187	2.72	29.4	0.0	268.8
9.00		0.00	1.00	6.400	10.81	207.89	0.650	0.000	1.00	4.168	2.71	29.3	0.0	267.8
10.00		0.00	1.00	6.400	10.81	206.91	0.650	0.000	1.00	4.148	2.70	29.2	0.0	266.9
11.00		0.00	1.00	6.400	10.81	205.93	0.650	0.000	1.00	4.129	2.68	29.0	0.0	265.9
12.00		0.00	1.00	6.400	10.81	204.95	0.650	0.000	1.00	4.109	2.67	28.9	0.0	265.0
13.00		0.00	1.00	6.400	10.81	203.98	0.650	0.000	1.00	4.089	2.66	28.8	0.0	264.0
14.00		0.00	1.00	6.400	10.81	203.00	0.650	0.000	1.00	4.070	2.65	28.6	0.0	263.1
15.00		0.00	1.00	6.400	10.81	202.02	0.650	0.000	1.00	4.050	2.63	28.5	0.0	262.1
16.00		0.00	1.00	6.400	10.81	201.04	0.650	0.000	1.00	4.031	2.62	28.3	0.0	261.2
17.00		0.00	1.00	6.400	10.81	200.06	0.650	0.000	1.00	4.011	2.61	28.2	0.0	260.2
18.00		0.00	1.00	6.400	10.81	199.08	0.650	0.000	1.00	3.991	2.59	28.1	0.0	259.3
19.00		0.00	1.00	6.400	10.81	198.10	0.650	0.000	1.00	3.972	2.58	27.9	0.0	258.3
20.00		0.00	1.00	6.400	10.81	197.12	0.650	0.000	1.00	3.952	2.57	27.8	0.0	257.4
21.00		0.00	1.00	6.400	10.81	196.14	0.650	0.000	1.00	3.933	2.56	27.6	0.0	256.4
22.00		0.00	1.00	6.400	10.81	195.16	0.650	0.000	1.00	3.913	2.54	27.5	0.0	255.5
23.00		0.00	1.00	6.400	10.81	194.19	0.650	0.000	1.00	3.894	2.53	27.4	0.0	254.5
24.00		0.00	1.00	6.400	10.81	193.21	0.650	0.000	1.00	3.874	2.52	27.2	0.0	253.6
25.00		0.00	1.00	6.400	10.81	192.23	0.650	0.000	1.00	3.854	2.51	27.1	0.0	252.6
26.00		0.00	1.00	6.400	10.81	191.25	0.650	0.000	1.00	3.835	2.49	27.0	0.0	251.7
27.00		0.00	1.00	6.400	10.81	190.27	0.650	0.000	1.00	3.815	2.48	26.8	0.0	250.7
28.00		0.00	1.00	6.400	10.81	189.29	0.650	0.000	1.00	3.796	2.47	26.7	0.0	249.8
29.00		0.00	1.00	6.400	10.81	188.31	0.650	0.000	1.00	3.776	2.45	26.5	0.0	248.8
30.00		0.00	1.00	6.400	10.81	187.33	0.650	0.000	1.00	3.757	2.44	26.4	0.0	247.8
31.00		0.00	1.00	6.400	10.81	186.35	0.650	0.000	1.00	3.737	2.43	26.3	0.0	246.9
32.00		0.00	1.00	6.400	10.81	185.37	0.650	0.000	1.00	3.717	2.42	26.1	0.0	245.9
33.00		0.00	1.00	6.400	10.81	184.39	0.650	0.000	1.00	3.698	2.40	26.0	0.0	245.0
34.00		0.00	1.00	6.455	10.90	184.20	0.650	0.000	1.00	3.678	2.39	26.1	0.0	244.0
35.00		0.00	1.01	6.509	10.99	183.98	0.650	0.000	1.00	3.659	2.38	26.2	0.0	243.1
36.00		0.00	1.02	6.561	11.08	183.73	0.650	0.000	1.00	3.639	2.37	26.2	0.0	242.1
37.00		0.00	1.03	6.613	11.17	183.45	0.650	0.000	1.00	3.619	2.35	26.3	0.0	241.2
38.00		0.00	1.04	6.663	11.26	183.15	0.650	0.000	1.00	3.600	2.34	26.3	0.0	240.2
39.00		0.00	1.04	6.713	11.34	182.83	0.650	0.000	1.00	3.580	2.33	26.4	0.0	239.3
40.00		0.00	1.05	6.762	11.42	182.49	0.650	0.000	1.00	3.561	2.31	26.4	0.0	238.3
41.00		0.00	1.06	6.809	11.50	182.12	0.650	0.000	1.00	3.541	2.30	26.5	0.0	237.4
42.00		0.00	1.07	6.857	11.58	181.74	0.650	0.000	1.00	3.522	2.29	26.5	0.0	236.4
43.00		0.00	1.07	6.903	11.66	181.33	0.650	0.000	1.00	3.502	2.28	26.6	0.0	235.5
44.00		0.00	1.08	6.948	11.74	180.91	0.650	0.000	1.00	3.482	2.26	26.6	0.0	234.5
45.00		0.00	1.09	6.993	11.81	180.47	0.650	0.000	1.00	3.463	2.25	26.6	0.0	233.6
46.00		0.00	1.10	7.037	11.89	180.01	0.650	0.000	1.00	3.443	2.24	26.6	0.0	232.6
47.00		0.00	1.10	7.080	11.96	179.53	0.650	0.000	1.00	3.424	2.23	26.6	0.0	231.7
48.00	Bot - Section 2	0.00	1.11	7.123	12.03	179.04	0.650	0.000	1.00	3.404	2.21	26.6	0.0	230.7
49.00		0.00	1.12	7.165	12.10	178.53	0.650	0.000	1.00	3.437	2.23	27.0	0.0	367.9
50.00		0.00	1.12	7.207	12.17	178.01	0.650	0.000	1.00	3.417	2.22	27.1	0.0	366.1

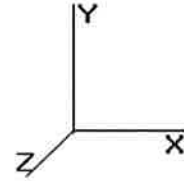
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
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12/22/2014 11:58:04 AM

Page: 39

Base Elev: 0.000 (ft)



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Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

51.00	0.00	1.13	7.248	12.24	177.47	0.650	0.000	1.00	3.397	2.21	27.0	0.0	364.4	
52.00	0.00	1.13	7.288	12.31	176.92	0.650	0.000	1.00	3.378	2.20	27.0	0.0	362.7	
53.00	0.00	1.14	7.328	12.38	176.36	0.650	0.000	1.00	3.358	2.18	27.0	0.0	360.9	
53.25	Top - Section 1	0.00	1.14	7.338	12.40	176.21	0.650	0.000	0.25	0.837	0.54	6.7	90.0	
54.00	0.00	1.15	7.367	12.45	178.57	0.650	0.000	0.75	2.502	1.63	20.2	0.0	150.6	
55.00	0.00	1.15	7.406	12.51	177.99	0.650	0.000	1.00	3.319	2.16	27.0	0.0	200.2	
56.00	0.00	1.16	7.444	12.58	177.39	0.650	0.000	1.00	3.300	2.14	27.0	0.0	199.4	
57.00	0.00	1.16	7.482	12.64	176.78	0.650	0.000	1.00	3.280	2.13	27.0	0.0	198.6	
58.00	0.00	1.17	7.519	12.70	176.16	0.650	0.000	1.00	3.260	2.12	26.9	0.0	197.8	
59.00	0.00	1.18	7.556	12.76	175.53	0.650	0.000	1.00	3.241	2.11	26.9	0.0	197.0	
60.00	0.00	1.18	7.592	12.83	174.88	0.650	0.000	1.00	3.221	2.09	26.9	0.0	196.2	
61.00	0.00	1.19	7.628	12.89	174.23	0.650	0.000	1.00	3.202	2.08	26.8	0.0	195.4	
62.00	0.00	1.19	7.664	12.95	173.56	0.650	0.000	1.00	3.182	2.07	26.8	0.0	194.6	
63.00	0.00	1.20	7.699	13.01	172.88	0.650	0.000	1.00	3.162	2.06	26.7	0.0	193.8	
64.00	0.00	1.20	7.733	13.06	172.20	0.650	0.000	1.00	3.143	2.04	26.7	0.0	193.0	
65.00	0.00	1.21	7.768	13.12	171.50	0.650	0.000	1.00	3.123	2.03	26.7	0.0	192.2	
66.00	0.00	1.21	7.802	13.18	170.79	0.650	0.000	1.00	3.104	2.02	26.6	0.0	191.4	
67.00	0.00	1.22	7.835	13.24	170.08	0.650	0.000	1.00	3.084	2.00	26.5	0.0	190.7	
68.00	0.00	1.22	7.869	13.29	169.35	0.650	0.000	1.00	3.065	1.99	26.5	0.0	189.9	
69.00	0.00	1.23	7.901	13.35	168.62	0.650	0.000	1.00	3.045	1.98	26.4	0.0	189.1	
70.00	0.00	1.24	7.934	13.40	167.88	0.650	0.000	1.00	3.025	1.97	26.4	0.0	188.3	
71.00	0.00	1.24	7.966	13.46	167.12	0.650	0.000	1.00	3.006	1.95	26.3	0.0	187.5	
72.00	0.00	1.25	7.998	13.51	166.36	0.650	0.000	1.00	2.986	1.94	26.2	0.0	186.7	
73.00	0.00	1.25	8.030	13.57	165.59	0.650	0.000	1.00	2.967	1.93	26.2	0.0	185.9	
74.00	0.00	1.26	8.061	13.62	164.82	0.650	0.000	1.00	2.947	1.92	26.1	0.0	185.1	
75.00	0.00	1.26	8.092	13.67	164.03	0.650	0.000	1.00	2.927	1.90	26.0	0.0	184.3	
76.00	0.00	1.26	8.123	13.72	163.24	0.650	0.000	1.00	2.908	1.89	25.9	0.0	183.5	
77.00	0.00	1.27	8.153	13.77	162.44	0.650	0.000	1.00	2.888	1.88	25.9	0.0	182.7	
78.00	0.00	1.27	8.183	13.82	161.63	0.650	0.000	1.00	2.869	1.86	25.8	0.0	181.9	
79.00	0.00	1.28	8.213	13.88	160.82	0.650	0.000	1.00	2.849	1.85	25.7	0.0	181.1	
80.00	0.00	1.28	8.242	13.93	160.00	0.650	0.000	1.00	2.830	1.84	25.6	0.0	180.3	
81.00	0.00	1.29	8.272	13.97	159.17	0.650	0.000	1.00	2.810	1.83	25.5	0.0	179.6	
82.00	0.00	1.29	8.301	14.02	158.33	0.650	0.000	1.00	2.790	1.81	25.4	0.0	178.8	
83.00	0.00	1.30	8.330	14.07	157.49	0.650	0.000	1.00	2.771	1.80	25.4	0.0	178.0	
84.00	0.00	1.30	8.358	14.12	156.64	0.650	0.000	1.00	2.751	1.79	25.3	0.0	177.2	
85.00	0.00	1.31	8.387	14.17	155.79	0.650	0.000	1.00	2.732	1.78	25.2	0.0	176.4	
86.00	0.00	1.31	8.415	14.22	154.92	0.650	0.000	1.00	2.712	1.76	25.1	0.0	175.6	
87.00	0.00	1.31	8.442	14.26	154.06	0.650	0.000	1.00	2.693	1.75	25.0	0.0	174.8	
88.00	0.00	1.32	8.470	14.31	153.18	0.650	0.000	1.00	2.673	1.74	24.9	0.0	174.0	
89.00	0.00	1.32	8.497	14.36	152.30	0.650	0.000	1.00	2.653	1.72	24.8	0.0	173.2	
90.00	0.00	1.33	8.525	14.40	151.41	0.650	0.000	1.00	2.634	1.71	24.7	0.0	172.4	
91.00	0.00	1.33	8.552	14.45	150.52	0.650	0.000	1.00	2.614	1.70	24.6	0.0	171.6	
92.00	0.00	1.34	8.578	14.49	149.62	0.650	0.000	1.00	2.595	1.69	24.4	0.0	170.8	
93.00	0.00	1.34	8.605	14.54	148.72	0.650	0.000	1.00	2.575	1.67	24.3	0.0	170.0	
94.00	0.00	1.34	8.631	14.58	147.81	0.650	0.000	1.00	2.555	1.66	24.2	0.0	169.2	
95.00	0.00	1.35	8.657	14.63	146.89	0.650	0.000	1.00	2.536	1.65	24.1	0.0	168.4	
96.00	0.00	1.35	8.683	14.67	145.97	0.650	0.000	1.00	2.516	1.64	24.0	0.0	167.7	
97.00	0.00	1.36	8.709	14.71	145.05	0.650	0.000	1.00	2.497	1.62	23.9	0.0	166.9	
97.75	Bot - Section 3	0.00	1.36	8.728	14.75	144.35	0.650	0.000	0.75	1.860	1.21	17.8	0.0	124.6
98.00	0.00	1.36	8.735	14.76	144.12	0.650	0.000	0.25	0.625	0.41	6.0	0.0	56.5	
99.00	0.00	1.36	8.760	14.80	143.18	0.650	0.000	1.00	2.489	1.62	23.9	0.0	225.4	
100.0	0.00	1.37	8.785	14.84	142.24	0.650	0.000	1.00	2.469	1.60	23.8	0.0	224.1	
101.0	0.00	1.37	8.810	14.88	141.29	0.650	0.000	1.00	2.450	1.59	23.7	0.0	222.8	
101.5	Top - Section 2	0.00	1.37	8.823	14.91	140.82	0.650	0.000	0.50	1.217	0.79	11.8	0.0	110.9
102.0	0.00	1.38	8.835	14.93	142.18	0.650	0.000	0.50	1.213	0.79	11.8	0.0	62.7	
103.0	0.00	1.38	8.860	14.97	141.22	0.650	0.000	1.00	2.410	1.57	23.5	0.0	125.0	
104.0	0.00	1.38	8.884	15.01	140.27	0.650	0.000	1.00	2.391	1.55	23.3	0.0	124.5	

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

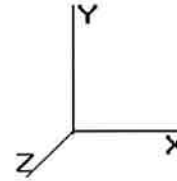
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12/22/2014 11:58:05 AM

Page: 40

Base Elev: 0.000 (ft)

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 27 Iterations

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

105.0	Appertunance(s)	0.00	1.39	8.908	15.05	139.30	0.650	0.000	1.00	2.371	1.54	23.2	0.0	124.0
106.0		0.00	1.39	8.933	15.09	138.34	0.650	0.000	1.00	2.352	1.53	23.1	0.0	123.6
107.0		0.00	1.39	8.957	15.13	137.36	0.650	0.000	1.00	2.332	1.52	22.9	0.0	123.1
108.0		0.00	1.40	8.980	15.17	136.39	0.650	0.000	1.00	2.313	1.50	22.8	0.0	122.6
109.0		0.00	1.40	9.004	15.21	135.40	0.650	0.000	1.00	2.293	1.49	22.7	0.0	122.1
110.0		0.00	1.41	9.028	15.25	134.42	0.650	0.000	1.00	2.273	1.48	22.5	0.0	121.7
111.0		0.00	1.41	9.051	15.29	133.43	0.650	0.000	1.00	2.254	1.46	22.4	0.0	121.2
112.0		0.00	1.41	9.074	15.33	132.43	0.650	0.000	1.00	2.234	1.45	22.3	0.0	120.7
113.0		0.00	1.42	9.097	15.37	131.43	0.650	0.000	1.00	2.215	1.44	22.1	0.0	120.2
114.0		0.00	1.42	9.120	15.41	130.43	0.650	0.000	1.00	2.195	1.43	22.0	0.0	119.8
115.0	Appertunance(s)	0.00	1.42	9.143	15.45	129.42	0.650	0.000	1.00	2.176	1.41	21.9	0.0	119.3
116.0		0.00	1.43	9.166	15.49	128.41	0.650	0.000	1.00	2.156	1.40	21.7	0.0	118.8
117.0		0.00	1.43	9.188	15.52	127.40	0.650	0.000	1.00	2.136	1.39	21.6	0.0	118.3
118.0	Reinf. Top	0.00	1.43	9.211	15.56	126.38	0.650	0.000	1.00	2.117	1.38	21.4	0.0	117.9
119.0		0.00	1.44	9.233	15.60	125.35	0.650	0.000	1.00	2.097	1.36	21.3	0.0	50.6
120.0		0.00	1.44	9.255	15.64	124.33	0.650	0.000	1.00	2.078	1.35	21.1	0.0	50.1
121.0		0.00	1.45	9.277	15.67	123.30	0.650	0.000	1.00	2.058	1.34	21.0	0.0	49.6
122.0		0.00	1.45	9.299	15.71	122.26	0.650	0.000	1.00	2.038	1.32	20.8	0.0	49.2
123.0		0.00	1.45	9.320	15.75	121.22	0.650	0.000	1.00	2.019	1.31	20.7	0.0	48.7
124.0		0.00	1.46	9.342	15.78	120.18	0.650	0.000	1.00	1.999	1.30	20.5	0.0	48.2
125.0	Appertunance(s)	0.00	1.46	9.363	15.82	119.13	0.650	0.000	1.00	1.980	1.29	20.4	0.0	47.7
126.0		0.00	1.46	9.385	15.86	118.08	0.650	0.000	1.00	1.960	1.27	20.2	0.0	47.3
127.0		0.00	1.47	9.406	15.89	117.03	0.650	0.000	1.00	1.941	1.26	20.1	0.0	46.8
128.0		0.00	1.47	9.427	15.93	115.97	0.650	0.000	1.00	1.921	1.25	19.9	0.0	46.3
129.0		0.00	1.47	9.448	15.96	114.91	0.650	0.000	1.00	1.901	1.24	19.7	0.0	45.8
130.0		0.00	1.48	9.469	16.00	113.85	0.650	0.000	1.00	1.882	1.22	19.6	0.0	45.3
131.0		0.00	1.48	9.490	16.03	112.78	0.650	0.000	1.00	1.862	1.21	19.4	0.0	44.9
132.0		0.00	1.48	9.510	16.07	111.71	0.650	0.000	1.00	1.843	1.20	19.3	0.0	44.4
133.0		0.00	1.48	9.531	16.10	110.64	0.650	0.000	1.00	1.823	1.18	19.1	0.0	43.9
134.0	Appertunance(s)	0.00	1.49	9.551	16.14	109.56	0.650	0.000	1.00	1.803	1.17	18.9	0.0	43.4
135.0		0.00	1.49	9.572	16.17	108.48	0.650	0.000	1.00	1.784	1.16	18.8	0.0	43.0
136.0		0.00	1.49	9.592	16.21	107.39	0.650	0.000	1.00	1.764	1.15	18.6	0.0	42.5
137.0		0.00	1.50	9.612	16.24	106.31	0.650	0.000	1.00	1.745	1.13	18.4	0.0	42.0
138.0		0.00	1.50	9.632	16.27	105.21	0.650	0.000	1.00	1.725	1.12	18.3	0.0	41.5
139.0		0.00	1.50	9.652	16.31	104.12	0.650	0.000	1.00	1.706	1.11	18.1	0.0	41.1
140.0		0.00	1.51	9.672	16.34	103.02	0.650	0.000	1.00	1.686	1.10	17.9	0.0	40.6
141.0		0.00	1.51	9.691	16.37	101.92	0.650	0.000	1.00	1.666	1.08	17.7	0.0	40.1
142.0		0.00	1.51	9.711	16.41	100.82	0.650	0.000	1.00	1.647	1.07	17.6	0.0	39.6
143.0	Appertunance(s)	0.00	1.52	9.730	16.44	99.720	0.650	0.000	1.00	1.627	1.06	17.4	0.0	39.2
144.0		0.00	1.52	9.750	16.47	98.611	0.650	0.000	1.00	1.608	1.04	17.2	0.0	38.7
145.0		0.00	1.52	9.769	16.51	97.499	0.650	0.000	1.00	1.588	1.03	17.0	0.0	38.2
146.0		0.00	1.52	9.788	16.54	96.384	0.650	0.000	1.00	1.569	1.02	16.9	0.0	37.7
147.0		0.00	1.53	9.807	16.57	95.266	0.650	0.000	1.00	1.549	1.01	16.7	0.0	37.3
148.0		0.00	1.53	9.826	16.60	94.145	0.650	0.000	1.00	1.529	0.99	16.5	0.0	36.8
149.0	Appertunance(s)	0.00	1.53	9.845	16.63	93.022	0.650	0.000	1.00	1.510	0.98	16.3	0.0	36.3
Totals:										149.00		3,661.1	0.0	26,418.4

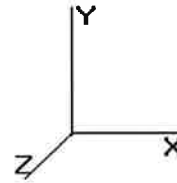
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
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12/22/2014 11:58:05 AM

Page: 41

Base Elev: 0.000 (ft)



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Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 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)
105.0	Stand-Off	1	8.908	15.055	1.00	1.00	0.000	0.000	15.06	0.00	0.00	50.00
105.0	Pacific Wireless HDD	1	8.908	15.055	1.00	12.09	0.000	0.000	182.02	0.00	0.00	22.00
105.0	Proxim 5054-R-LR	1	8.908	15.055	0.50	0.77	0.000	0.000	11.59	0.00	0.00	6.00
115.0	RFS APXV18-206517S-	3	9.143	15.452	0.68	10.53	0.000	0.000	162.65	0.00	0.00	79.20
125.0	Raycap DC6-48-60-18-	4	9.363	15.824	0.50	2.94	0.000	0.000	46.52	0.00	0.00	127.20
125.0	14" x 9" TTA	6	9.363	15.824	0.33	2.44	0.000	0.000	38.54	0.00	0.00	60.00
125.0	Flat Low Profile Pla	1	9.363	15.824	0.90	23.49	0.000	0.000	371.71	0.00	0.00	1,500.00
125.0	Ericsson RRUS A2	6	9.363	15.824	0.33	3.70	0.000	0.000	58.59	0.00	0.00	90.00
125.0	Ericsson RRUS-11 800	6	9.363	15.824	0.50	8.82	0.000	0.000	139.57	0.00	0.00	324.00
125.0	Ericsson RRUS-11 190	3	9.363	15.824	0.50	4.41	0.000	0.000	69.78	0.00	0.00	132.00
125.0	Ericsson RRUS-12 800	3	9.363	15.824	0.50	4.73	0.000	0.000	74.77	0.00	0.00	180.00
125.0	Ericsson RRUS-12 190	3	9.363	15.824	0.50	4.73	0.000	0.000	74.77	0.00	0.00	180.00
125.0	Ericsson RRUS E2 B29	3	9.363	15.824	0.50	5.51	0.000	0.000	87.11	0.00	0.00	180.00
125.0	Ericsson RRUS-32	3	9.363	15.824	0.50	5.80	0.000	0.000	91.86	0.00	0.00	231.00
125.0	CCI HPA-65R-BUU-H8	12	9.363	15.824	0.66	105.26	0.000	0.000	1,665.61	0.00	0.00	816.00
134.0	RFS FD9R6004/2C-3L	6	9.551	16.142	0.33	0.73	0.000	0.000	11.83	0.00	0.00	18.60
134.0	Antel BXA 185085/12C	3	9.551	16.142	0.72	10.35	0.000	0.000	167.01	0.00	0.00	39.00
134.0	Alcatel-Lucent RRH2x	3	9.510	16.073	0.50	3.78	0.000	-2.000	60.75	0.00	-121.51	132.00
134.0	Antel BXA BXA-171063	3	9.551	16.142	0.72	10.22	0.000	0.000	164.92	0.00	0.00	45.00
134.0	RFS DB-T1-6Z-8AB-0Z	1	9.551	16.142	0.67	3.75	0.000	0.000	60.56	0.00	0.00	44.00
134.0	Commscope LNX-	3	9.551	16.142	0.69	17.41	0.000	0.000	281.01	0.00	0.00	116.40
134.0	Andrew	3	9.551	16.142	0.63	11.02	0.000	0.000	177.86	0.00	0.00	55.50
134.0	Round Low Profile PI	1	9.551	16.142	0.90	19.53	0.000	0.000	315.25	0.00	0.00	1,500.00
143.0	Flat Low Profile Pla	1	9.730	16.444	1.00	26.10	0.000	0.000	429.20	0.00	0.00	1,500.00
143.0	RFS APX16PV-16PVL-	6	9.730	16.444	0.59	23.54	0.000	0.000	387.12	0.00	0.00	237.60
143.0	Andrew	3	9.730	16.444	0.33	0.75	0.000	0.000	12.37	0.00	0.00	33.00
143.0	Andrew	3	9.730	16.444	0.33	0.47	0.000	0.000	7.65	0.00	0.00	33.00
149.0	Clearwire Mount	1	9.845	16.639	0.90	7.65	0.000	0.000	127.29	0.00	0.00	500.00
149.0	DragonWave A-ANT-	2	9.883	16.702	0.90	8.44	0.000	2.000	141.00	0.00	282.00	54.00
149.0	NextNet BTS-2500	3	9.883	16.702	0.33	2.10	0.000	2.000	35.05	0.00	70.11	105.00
149.0	Argus LLPX310R	3	9.883	16.702	0.62	8.98	0.000	2.000	150.05	0.00	300.10	85.80
149.0	DragonWave Horizon	3	9.883	16.702	0.33	0.43	0.000	2.000	7.11	0.00	14.22	31.80
149.0	DragonWave A-ANT-	1	9.883	16.702	0.90	1.45	0.000	2.000	24.20	0.00	48.40	15.00
									5,650.37			8,523.10

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
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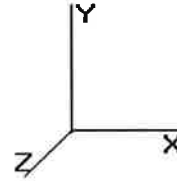
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:05 AM

Page: 42

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 27 Iterations

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

Linear Appurtenance Segment Forces

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Weight (lb/ft)	CaAa (sf/ft)	qz (psf)	FX (lb)	Dead Load (lb)
1.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
2.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
3.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
4.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
5.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
6.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
7.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
8.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
9.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
10.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
11.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
12.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
13.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
14.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
15.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
16.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
17.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
18.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
19.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
20.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
21.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
22.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
23.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
24.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
25.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
26.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
27.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
28.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
29.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
30.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
31.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
32.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
33.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.400	4.33	0.00
34.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.455	4.36	0.00
35.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.509	4.40	0.00
36.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.561	4.44	0.00
37.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.613	4.47	0.00
38.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.663	4.50	0.00
39.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.713	4.54	0.00
40.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.762	4.57	0.00
41.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.809	4.60	0.00
42.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.857	4.64	0.00
43.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.903	4.67	0.00
44.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.948	4.70	0.00
45.00	(4) Dywidag	Yes	1.00	0.00	0.40	6.993	4.73	0.00
46.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.037	4.76	0.00
47.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.080	4.79	0.00
48.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.123	4.82	0.00
49.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.165	4.84	0.00
50.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.207	4.87	0.00
51.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.248	4.90	0.00

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

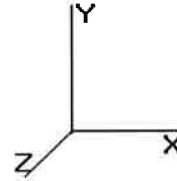
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:05 AM

Page: 43

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 27 Iterations

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

52.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.288	4.93	0.00
53.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.328	4.95	0.00
53.25	(4) Dywidag	Yes	0.25	0.00	0.40	7.338	1.24	0.00
54.00	(4) Dywidag	Yes	0.75	0.00	0.40	7.367	3.74	0.00
55.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.406	5.01	0.00
56.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.444	5.03	0.00
57.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.482	5.06	0.00
58.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.519	5.08	0.00
59.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.556	5.11	0.00
60.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.592	5.13	0.00
61.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.628	5.16	0.00
62.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.664	5.18	0.00
63.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.699	5.20	0.00
64.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.733	5.23	0.00
65.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.768	5.25	0.00
66.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.802	5.27	0.00
67.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.835	5.30	0.00
68.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.869	5.32	0.00
69.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.901	5.34	0.00
70.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.934	5.36	0.00
71.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.966	5.39	0.00
72.00	(4) Dywidag	Yes	1.00	0.00	0.40	7.998	5.41	0.00
73.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.030	5.43	0.00
74.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.061	5.45	0.00
75.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.092	5.47	0.00
76.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.123	5.49	0.00
77.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.153	5.51	0.00
78.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.183	5.53	0.00
79.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.213	5.55	0.00
80.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.242	5.57	0.00
81.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.272	5.59	0.00
82.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.301	5.61	0.00
83.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.330	5.63	0.00
84.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.358	5.65	0.00
85.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.387	5.67	0.00
86.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.415	5.69	0.00
87.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.442	5.71	0.00
88.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.470	5.73	0.00
89.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.497	5.74	0.00
90.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.525	5.76	0.00
91.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.552	5.78	0.00
92.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.578	5.80	0.00
93.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.605	5.82	0.00
94.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.631	5.83	0.00
95.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.657	5.85	0.00
96.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.683	5.87	0.00
97.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.709	5.89	0.00
97.75	(4) Dywidag	Yes	0.75	0.00	0.40	8.728	4.43	0.00
98.00	(4) Dywidag	Yes	0.25	0.00	0.40	8.735	1.48	0.00
99.00	(4) Dywidag	Yes	1.00	0.00	0.40	8.760	5.92	0.00
100.0	(4) Dywidag	Yes	1.00	0.00	0.40	8.785	5.94	0.00
101.0	(4) Dywidag	Yes	1.00	0.00	0.40	8.810	5.96	0.00
101.5	(4) Dywidag	Yes	0.50	0.00	0.40	8.823	2.98	0.00
102.0	(4) Dywidag	Yes	0.50	0.00	0.40	8.835	2.99	0.00
103.0	(4) Dywidag	Yes	1.00	0.00	0.40	8.860	5.99	0.00
104.0	(4) Dywidag	Yes	1.00	0.00	0.40	8.884	6.01	0.00
105.0	(4) Dywidag	Yes	1.00	0.00	0.40	8.908	6.02	0.00

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

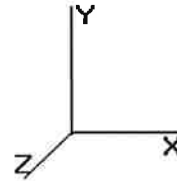
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:05 AM

Page: 44

Base Elev: 0.000 (ft)

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Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

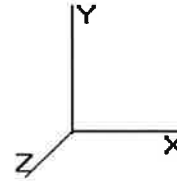
106.0	(4) Dywidag	Yes	1.00	0.00	0.40	8.933	6.04	0.00
107.0	(4) Dywidag	Yes	1.00	0.00	0.40	8.957	6.05	0.00
108.0	(4) Dywidag	Yes	1.00	0.00	0.40	8.980	6.07	0.00
109.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.004	6.09	0.00
110.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.028	6.10	0.00
111.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.051	6.12	0.00
112.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.074	6.13	0.00
113.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.097	6.15	0.00
114.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.120	6.17	0.00
115.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.143	6.18	0.00
116.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.166	6.20	0.00
117.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.188	6.21	0.00
118.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.211	6.23	0.00
119.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.233	6.24	0.00
120.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.255	6.26	0.00
121.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.277	6.27	0.00
122.0	(4) Dywidag	Yes	1.00	0.00	0.40	9.299	6.29	0.00
123.0	(4) Dywidag	Yes	0.50	0.00	0.40	9.320	3.15	0.00
Totals:							632.31	0.00

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code : TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:05 AM

Page: 45

Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 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	34.73	275.44	0.00	0.00
2.00	34.59	274.49	0.00	0.00
3.00	34.45	273.54	0.00	0.00
4.00	34.32	272.59	0.00	0.00
5.00	34.18	323.05	0.00	0.00
6.00	34.04	322.10	0.00	0.00
7.00	33.90	321.15	0.00	0.00
8.00	33.76	320.19	0.00	0.00
9.00	33.63	319.24	0.00	0.00
10.00	33.49	318.29	0.00	0.00
11.00	33.35	317.34	0.00	0.00
12.00	33.21	316.39	0.00	0.00
13.00	33.08	315.44	0.00	0.00
14.00	32.94	314.48	0.00	0.00
15.00	32.80	313.53	0.00	0.00
16.00	32.66	312.58	0.00	0.00
17.00	32.53	311.63	0.00	0.00
18.00	32.39	310.68	0.00	0.00
19.00	32.25	309.73	0.00	0.00
20.00	32.11	308.77	0.00	0.00
21.00	31.98	307.82	0.00	0.00
22.00	31.84	306.87	0.00	0.00
23.00	31.70	305.92	0.00	0.00
24.00	31.56	304.97	0.00	0.00
25.00	31.42	304.02	0.00	0.00
26.00	31.29	303.06	0.00	0.00
27.00	31.15	302.11	0.00	0.00
28.00	31.01	301.16	0.00	0.00
29.00	30.87	300.21	0.00	0.00
30.00	30.74	299.26	0.00	0.00
31.00	30.60	298.31	0.00	0.00
32.00	30.46	297.35	0.00	0.00
33.00	30.32	296.40	0.00	0.00
34.00	30.44	295.45	0.00	0.00
35.00	30.56	294.50	0.00	0.00
36.00	30.66	293.55	0.00	0.00
37.00	30.76	292.60	0.00	0.00
38.00	30.85	291.65	0.00	0.00
39.00	30.94	290.69	0.00	0.00
40.00	31.02	289.74	0.00	0.00
41.00	31.09	288.79	0.00	0.00
42.00	31.16	287.84	0.00	0.00
43.00	31.22	286.89	0.00	0.00
44.00	31.28	285.94	0.00	0.00
45.00	31.33	284.98	0.00	0.00
46.00	31.37	284.03	0.00	0.00
47.00	31.42	283.08	0.00	0.00
48.00	31.45	282.13	0.00	0.00
49.00	31.89	419.30	0.00	0.00

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
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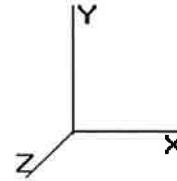
Code : TIA/EIA-222 Rev F

12/22/2014 11:58:05 AM

Page : 46

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 27 Iterations

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

50.00	31.92	417.56	0.00	0.00
51.00	31.95	415.82	0.00	0.00
52.00	31.97	414.07	0.00	0.00
53.00	31.99	412.33	0.00	0.00
53.25	7.98	102.81	0.00	0.00
54.00	23.98	189.20	0.00	0.00
55.00	32.01	251.58	0.00	0.00
56.00	32.01	250.79	0.00	0.00
57.00	32.01	249.99	0.00	0.00
58.00	32.01	249.20	0.00	0.00
59.00	32.01	248.41	0.00	0.00
60.00	32.00	247.61	0.00	0.00
61.00	31.98	246.82	0.00	0.00
62.00	31.97	246.03	0.00	0.00
63.00	31.95	245.23	0.00	0.00
64.00	31.93	244.44	0.00	0.00
65.00	31.90	243.65	0.00	0.00
66.00	31.87	242.86	0.00	0.00
67.00	31.84	242.06	0.00	0.00
68.00	31.81	241.27	0.00	0.00
69.00	31.77	240.48	0.00	0.00
70.00	31.73	239.68	0.00	0.00
71.00	31.69	238.89	0.00	0.00
72.00	31.64	238.10	0.00	0.00
73.00	31.60	237.30	0.00	0.00
74.00	31.55	236.51	0.00	0.00
75.00	31.49	235.72	0.00	0.00
76.00	31.44	234.93	0.00	0.00
77.00	31.38	234.13	0.00	0.00
78.00	31.32	233.34	0.00	0.00
79.00	31.26	232.55	0.00	0.00
80.00	31.19	231.75	0.00	0.00
81.00	31.13	230.96	0.00	0.00
82.00	31.06	230.17	0.00	0.00
83.00	30.98	229.37	0.00	0.00
84.00	30.91	228.58	0.00	0.00
85.00	30.84	227.79	0.00	0.00
86.00	30.76	227.00	0.00	0.00
87.00	30.68	226.20	0.00	0.00
88.00	30.60	225.41	0.00	0.00
89.00	30.51	224.62	0.00	0.00
90.00	30.43	223.82	0.00	0.00
91.00	30.34	223.03	0.00	0.00
92.00	30.25	222.24	0.00	0.00
93.00	30.16	221.44	0.00	0.00
94.00	30.06	220.65	0.00	0.00
95.00	29.97	219.86	0.00	0.00
96.00	29.87	219.07	0.00	0.00
97.00	29.77	218.27	0.00	0.00
97.75	22.26	163.18	0.00	0.00
98.00	7.48	69.39	0.00	0.00
99.00	29.87	276.78	0.00	0.00
100.0	29.77	275.52	0.00	0.00
101.0	29.66	274.25	0.00	0.00
101.5	14.78	136.65	0.00	0.00
102.0	14.75	88.38	0.00	0.00
103.0	29.45	176.40	0.00	0.00

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
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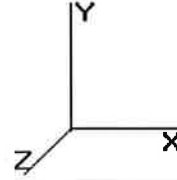
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:05 AM

Page: 47

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 27 Iterations
 Gust Response Factor : 1.69
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

104.0	29.34	175.93	0.00	0.00
105.0	237.89	253.45	0.00	0.00
106.0	29.11	171.21	0.00	0.00
107.0	29.00	170.73	0.00	0.00
108.0	28.88	170.26	0.00	0.00
109.0	28.77	169.78	0.00	0.00
110.0	28.65	169.30	0.00	0.00
111.0	28.53	168.83	0.00	0.00
112.0	28.41	168.35	0.00	0.00
113.0	28.28	167.88	0.00	0.00
114.0	28.16	167.40	0.00	0.00
115.0	190.68	246.12	0.00	0.00
116.0	27.90	161.53	0.00	0.00
117.0	27.77	161.05	0.00	0.00
118.0	27.64	160.58	0.00	0.00
119.0	27.51	93.30	0.00	0.00
120.0	27.38	92.83	0.00	0.00
121.0	27.24	92.35	0.00	0.00
122.0	27.11	91.87	0.00	0.00
123.0	23.82	91.40	0.00	0.00
124.0	20.52	90.92	0.00	0.00
125.0	2,739.20	3,910.65	0.00	0.00
126.0	20.21	75.37	0.00	0.00
127.0	20.05	74.90	0.00	0.00
128.0	19.89	74.42	0.00	0.00
129.0	19.73	73.94	0.00	0.00
130.0	19.57	73.47	0.00	0.00
131.0	19.41	72.99	0.00	0.00
132.0	19.25	72.52	0.00	0.00
133.0	19.09	72.04	0.00	0.00
134.0	1,258.10	2,022.07	0.00	-121.51
135.0	18.76	59.64	0.00	0.00
136.0	18.59	59.16	0.00	0.00
137.0	18.42	58.69	0.00	0.00
138.0	18.25	58.21	0.00	0.00
139.0	18.08	57.74	0.00	0.00
140.0	17.91	57.26	0.00	0.00
141.0	17.74	56.78	0.00	0.00
142.0	17.57	56.31	0.00	0.00
143.0	853.73	1,859.43	0.00	0.00
144.0	17.22	43.06	0.00	0.00
145.0	17.04	42.58	0.00	0.00
146.0	16.87	42.11	0.00	0.00
147.0	16.69	41.63	0.00	0.00
148.0	16.51	41.15	0.00	0.00
149.0	501.03	832.28	0.00	714.83
Totals:	9,943.78	41,466.88	0.00	593.32

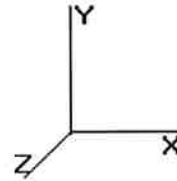
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code : TIA/EIA-222 Rev F

12/22/2014 11:58:05 AM

Page : 48

Base Elev : 0.000 (ft)



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Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 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	-9.943	-41.466	0.000	0.000	0.000	-1,063.335	0.000	0.000	0.000	0.000
1.00	-9.916	-41.189	0.000	0.000	0.000	-1,053.392	-0.001	0.000	0.001	-0.010
2.00	-9.889	-40.912	0.000	0.000	0.000	-1,043.476	-0.005	0.000	0.005	-0.021
3.00	-9.861	-40.637	0.000	0.000	0.000	-1,033.587	-0.010	0.000	0.010	-0.031
4.00	-9.834	-40.363	0.000	0.000	0.000	-1,023.726	-0.018	0.000	0.018	-0.041
5.00	-9.807	-40.038	0.000	0.000	0.000	-1,013.892	-0.028	0.000	0.028	-0.052
6.00	-9.780	-39.714	0.000	0.000	0.000	-1,004.085	-0.040	0.000	0.040	-0.062
7.00	-9.753	-39.391	0.000	0.000	0.000	-994.305	-0.054	0.000	0.054	-0.073
8.00	-9.726	-39.069	0.000	0.000	0.000	-984.552	-0.071	0.000	0.071	-0.083
9.00	-9.699	-38.748	0.000	0.000	0.000	-974.827	-0.089	0.000	0.089	-0.094
10.00	-9.672	-38.428	0.000	0.000	0.000	-965.128	-0.110	0.000	0.110	-0.104
11.00	-9.645	-38.109	0.000	0.000	0.000	-955.456	-0.133	0.000	0.133	-0.115
12.00	-9.618	-37.791	0.000	0.000	0.000	-945.811	-0.158	0.000	0.158	-0.125
13.00	-9.591	-37.474	0.000	0.000	0.000	-936.193	-0.186	0.000	0.186	-0.136
14.00	-9.565	-37.158	0.000	0.000	0.000	-926.602	-0.216	0.000	0.216	-0.147
15.00	-9.538	-36.843	0.000	0.000	0.000	-917.038	-0.248	0.000	0.248	-0.157
16.00	-9.511	-36.528	0.000	0.000	0.000	-907.500	-0.282	0.000	0.282	-0.168
17.00	-9.484	-36.215	0.000	0.000	0.000	-897.989	-0.318	0.000	0.318	-0.179
18.00	-9.458	-35.903	0.000	0.000	0.000	-888.505	-0.357	0.000	0.357	-0.189
19.00	-9.431	-35.591	0.000	0.000	0.000	-879.048	-0.398	0.000	0.398	-0.200
20.00	-9.405	-35.281	0.000	0.000	0.000	-869.617	-0.441	0.000	0.441	-0.211
21.00	-9.378	-34.971	0.000	0.000	0.000	-860.212	-0.487	0.000	0.487	-0.222
22.00	-9.351	-34.663	0.000	0.000	0.000	-850.835	-0.534	0.000	0.534	-0.233
23.00	-9.325	-34.355	0.000	0.000	0.000	-841.483	-0.584	0.000	0.584	-0.243
24.00	-9.299	-34.049	0.000	0.000	0.000	-832.158	-0.637	0.000	0.637	-0.254
25.00	-9.272	-33.743	0.000	0.000	0.000	-822.860	-0.691	0.000	0.691	-0.265
26.00	-9.246	-33.438	0.000	0.000	0.000	-813.588	-0.748	0.000	0.748	-0.276
27.00	-9.220	-33.135	0.000	0.000	0.000	-804.342	-0.807	0.000	0.807	-0.287
28.00	-9.193	-32.832	0.000	0.000	0.000	-795.123	-0.869	0.000	0.869	-0.298
29.00	-9.167	-32.530	0.000	0.000	0.000	-785.930	-0.932	0.000	0.932	-0.309
30.00	-9.141	-32.229	0.000	0.000	0.000	-776.763	-0.998	0.000	0.998	-0.320
31.00	-9.115	-31.929	0.000	0.000	0.000	-767.622	-1.067	0.000	1.067	-0.331
32.00	-9.089	-31.630	0.000	0.000	0.000	-758.508	-1.137	0.000	1.137	-0.342
33.00	-9.063	-31.332	0.000	0.000	0.000	-749.419	-1.210	0.000	1.210	-0.353
34.00	-9.036	-31.035	0.000	0.000	0.000	-740.356	-1.286	0.000	1.286	-0.364
35.00	-9.010	-30.739	0.000	0.000	0.000	-731.320	-1.363	0.000	1.363	-0.375
36.00	-8.983	-30.444	0.000	0.000	0.000	-722.311	-1.443	0.000	1.443	-0.386
37.00	-8.956	-30.150	0.000	0.000	0.000	-713.328	-1.525	0.000	1.525	-0.398
38.00	-8.929	-29.857	0.000	0.000	0.000	-704.372	-1.610	0.000	1.610	-0.409
39.00	-8.902	-29.565	0.000	0.000	0.000	-695.443	-1.697	0.000	1.697	-0.420
40.00	-8.874	-29.274	0.000	0.000	0.000	-686.541	-1.786	0.000	1.786	-0.431
41.00	-8.847	-28.983	0.000	0.000	0.000	-677.667	-1.878	0.000	1.878	-0.442
42.00	-8.819	-28.694	0.000	0.000	0.000	-668.820	-1.972	0.000	1.972	-0.453
43.00	-8.791	-28.406	0.000	0.000	0.000	-660.001	-2.068	0.000	2.068	-0.465
44.00	-8.763	-28.118	0.000	0.000	0.000	-651.211	-2.167	0.000	2.167	-0.476
45.00	-8.735	-27.832	0.000	0.000	0.000	-642.448	-2.268	0.000	2.268	-0.487
46.00	-8.706	-27.546	0.000	0.000	0.000	-633.713	-2.371	0.000	2.371	-0.498
47.00	-8.678	-27.262	0.000	0.000	0.000	-625.007	-2.477	0.000	2.477	-0.510
48.00	-8.649	-26.978	0.000	0.000	0.000	-616.330	-2.585	0.000	2.585	-0.521
49.00	-8.619	-26.558	0.000	0.000	0.000	-607.681	-2.695	0.000	2.695	-0.532
50.00	-8.588	-26.139	0.000	0.000	0.000	-599.062	-2.808	0.000	2.808	-0.543

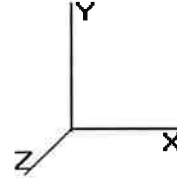
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
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12/22/2014 11:58:05 AM

Page: 49

Base Elev: 0.000 (ft)



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Load Case: Twist/Sway 50.00 mph Wind with No Ice 27 Iterations

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

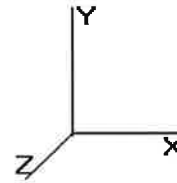
51.00	-8.557	-25.722	0.000	0.000	0.000	-590.475	-2.923	0.000	2.923	-0.554
52.00	-8.526	-25.306	0.000	0.000	0.000	-581.918	-3.040	0.000	3.040	-0.566
53.00	-8.493	-24.893	0.000	0.000	0.000	-573.392	-3.160	0.000	3.160	-0.577
53.25	-8.486	-24.790	0.000	0.000	0.000	-571.269	-3.191	0.000	3.191	-0.580
54.00	-8.465	-24.599	0.000	0.000	0.000	-564.905	-3.282	0.000	3.282	-0.588
55.00	-8.435	-24.346	0.000	0.000	0.000	-556.440	-3.407	0.000	3.407	-0.600
56.00	-8.406	-24.094	0.000	0.000	0.000	-548.005	-3.534	0.000	3.534	-0.612
57.00	-8.376	-23.843	0.000	0.000	0.000	-539.600	-3.664	0.000	3.664	-0.624
58.00	-8.346	-23.592	0.000	0.000	0.000	-531.224	-3.796	0.000	3.796	-0.636
59.00	-8.316	-23.342	0.000	0.000	0.000	-522.878	-3.931	0.000	3.931	-0.648
60.00	-8.286	-23.093	0.000	0.000	0.000	-514.562	-4.068	0.000	4.068	-0.660
61.00	-8.256	-22.845	0.000	0.000	0.000	-506.276	-4.208	0.000	4.208	-0.672
62.00	-8.226	-22.598	0.000	0.000	0.000	-498.019	-4.350	0.000	4.350	-0.684
63.00	-8.196	-22.351	0.000	0.000	0.000	-489.793	-4.495	0.000	4.495	-0.696
64.00	-8.166	-22.105	0.000	0.000	0.000	-481.597	-4.642	0.000	4.642	-0.708
65.00	-8.135	-21.861	0.000	0.000	0.000	-473.432	-4.792	0.000	4.792	-0.720
66.00	-8.105	-21.616	0.000	0.000	0.000	-465.297	-4.944	0.000	4.944	-0.732
67.00	-8.074	-21.373	0.000	0.000	0.000	-457.192	-5.099	0.000	5.099	-0.744
68.00	-8.044	-21.131	0.000	0.000	0.000	-449.118	-5.256	0.000	5.256	-0.756
69.00	-8.013	-20.889	0.000	0.000	0.000	-441.074	-5.416	0.000	5.416	-0.768
70.00	-7.983	-20.648	0.000	0.000	0.000	-433.061	-5.578	0.000	5.578	-0.780
71.00	-7.952	-20.408	0.000	0.000	0.000	-425.079	-5.743	0.000	5.743	-0.792
72.00	-7.921	-20.169	0.000	0.000	0.000	-417.127	-5.910	0.000	5.910	-0.803
73.00	-7.890	-19.930	0.000	0.000	0.000	-409.206	-6.080	0.000	6.080	-0.815
74.00	-7.859	-19.693	0.000	0.000	0.000	-401.316	-6.252	0.000	6.252	-0.827
75.00	-7.828	-19.456	0.000	0.000	0.000	-393.457	-6.427	0.000	6.427	-0.838
76.00	-7.797	-19.220	0.000	0.000	0.000	-385.629	-6.604	0.000	6.604	-0.850
77.00	-7.766	-18.985	0.000	0.000	0.000	-377.832	-6.783	0.000	6.783	-0.862
78.00	-7.735	-18.750	0.000	0.000	0.000	-370.066	-6.965	0.000	6.965	-0.873
79.00	-7.704	-18.517	0.000	0.000	0.000	-362.331	-7.149	0.000	7.149	-0.885
80.00	-7.673	-18.284	0.000	0.000	0.000	-354.627	-7.336	0.000	7.336	-0.896
81.00	-7.642	-18.052	0.000	0.000	0.000	-346.954	-7.525	0.000	7.525	-0.907
82.00	-7.611	-17.821	0.000	0.000	0.000	-339.312	-7.716	0.000	7.716	-0.919
83.00	-7.579	-17.590	0.000	0.000	0.000	-331.702	-7.910	0.000	7.910	-0.930
84.00	-7.548	-17.361	0.000	0.000	0.000	-324.123	-8.106	0.000	8.106	-0.941
85.00	-7.517	-17.132	0.000	0.000	0.000	-316.575	-8.305	0.000	8.305	-0.952
86.00	-7.486	-16.904	0.000	0.000	0.000	-309.058	-8.505	0.000	8.505	-0.963
87.00	-7.454	-16.677	0.000	0.000	0.000	-301.573	-8.708	0.000	8.708	-0.974
88.00	-7.423	-16.451	0.000	0.000	0.000	-294.119	-8.914	0.000	8.914	-0.985
89.00	-7.392	-16.226	0.000	0.000	0.000	-286.696	-9.121	0.000	9.121	-0.996
90.00	-7.360	-16.001	0.000	0.000	0.000	-279.304	-9.331	0.000	9.331	-1.006
91.00	-7.329	-15.777	0.000	0.000	0.000	-271.944	-9.543	0.000	9.543	-1.017
92.00	-7.298	-15.554	0.000	0.000	0.000	-264.615	-9.757	0.000	9.757	-1.027
93.00	-7.266	-15.332	0.000	0.000	0.000	-257.318	-9.974	0.000	9.974	-1.038
94.00	-7.235	-15.111	0.000	0.000	0.000	-250.052	-10.192	0.000	10.192	-1.048
95.00	-7.204	-14.890	0.000	0.000	0.000	-242.817	-10.413	0.000	10.413	-1.058
96.00	-7.172	-14.670	0.000	0.000	0.000	-235.614	-10.636	0.000	10.636	-1.068
97.00	-7.141	-14.452	0.000	0.000	0.000	-228.442	-10.861	0.000	10.861	-1.078
97.75	-7.116	-14.288	0.000	0.000	0.000	-223.086	-11.031	0.000	11.031	-1.085
98.00	-7.109	-14.218	0.000	0.000	0.000	-221.307	-11.088	0.000	11.088	-1.088
99.00	-7.076	-13.941	0.000	0.000	0.000	-214.198	-11.317	0.000	11.317	-1.097
100.0	-7.044	-13.665	0.000	0.000	0.000	-207.122	-11.548	0.000	11.548	-1.107
101.0	-7.010	-13.390	0.000	0.000	0.000	-200.079	-11.781	0.000	11.781	-1.116
101.5	-6.994	-13.254	0.000	0.000	0.000	-196.574	-11.898	0.000	11.898	-1.121
102.0	-6.979	-13.164	0.000	0.000	0.000	-193.077	-12.016	0.000	12.016	-1.125
103.0	-6.949	-12.987	0.000	0.000	0.000	-186.097	-12.253	0.000	12.253	-1.136
104.0	-6.918	-12.811	0.000	0.000	0.000	-179.149	-12.492	0.000	12.492	-1.147

Pole : 243036
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12/22/2014 11:58:05 AM

Page: 50

Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

105.0	-6.678	-12.561	0.000	0.000	0.000	-172.230	-12.734	0.000	12.734	-1.157
106.0	-6.647	-12.389	0.000	0.000	0.000	-165.553	-12.977	0.000	12.977	-1.167
107.0	-6.617	-12.218	0.000	0.000	0.000	-158.905	-13.223	0.000	13.223	-1.177
108.0	-6.587	-12.047	0.000	0.000	0.000	-152.288	-13.471	0.000	13.471	-1.187
109.0	-6.556	-11.877	0.000	0.000	0.000	-145.702	-13.721	0.000	13.721	-1.196
110.0	-6.526	-11.707	0.000	0.000	0.000	-139.145	-13.973	0.000	13.973	-1.205
111.0	-6.496	-11.538	0.000	0.000	0.000	-132.619	-14.226	0.000	14.226	-1.214
112.0	-6.466	-11.370	0.000	0.000	0.000	-126.123	-14.482	0.000	14.482	-1.223
113.0	-6.435	-11.201	0.000	0.000	0.000	-119.658	-14.739	0.000	14.739	-1.231
114.0	-6.405	-11.034	0.000	0.000	0.000	-113.222	-14.998	0.000	14.998	-1.239
115.0	-6.211	-10.791	0.000	0.000	0.000	-106.817	-15.259	0.000	15.259	-1.247
116.0	-6.181	-10.629	0.000	0.000	0.000	-100.607	-15.521	0.000	15.521	-1.255
117.0	-6.151	-10.468	0.000	0.000	0.000	-94.426	-15.785	0.000	15.785	-1.262
118.0	-6.121	-10.308	0.000	0.000	0.000	-88.275	-16.051	0.000	16.051	-1.269
119.0	-6.094	-10.214	0.000	0.000	0.000	-82.155	-16.317	0.000	16.317	-1.275
120.0	-6.068	-10.119	0.000	0.000	0.000	-76.061	-16.587	0.000	16.587	-1.295
121.0	-6.042	-10.026	0.000	0.000	0.000	-69.994	-16.860	0.000	16.860	-1.313
122.0	-6.015	-9.933	0.000	0.000	0.000	-63.952	-17.137	0.000	17.137	-1.331
123.0	-5.992	-9.840	0.000	0.000	0.000	-57.937	-17.418	0.000	17.418	-1.347
124.0	-5.972	-9.748	0.000	0.000	0.000	-51.945	-17.702	0.000	17.702	-1.362
125.0	-3.141	-5.904	0.000	0.000	0.000	-45.974	-17.989	0.000	17.989	-1.376
126.0	-3.121	-5.828	0.000	0.000	0.000	-42.832	-18.279	0.000	18.279	-1.389
127.0	-3.100	-5.753	0.000	0.000	0.000	-39.712	-18.571	0.000	18.571	-1.402
128.0	-3.080	-5.678	0.000	0.000	0.000	-36.612	-18.866	0.000	18.866	-1.413
129.0	-3.059	-5.604	0.000	0.000	0.000	-33.532	-19.164	0.000	19.164	-1.425
130.0	-3.039	-5.531	0.000	0.000	0.000	-30.473	-19.463	0.000	19.463	-1.435
131.0	-3.019	-5.458	0.000	0.000	0.000	-27.434	-19.765	0.000	19.765	-1.445
132.0	-2.998	-5.385	0.000	0.000	0.000	-24.416	-20.069	0.000	20.069	-1.454
133.0	-2.978	-5.314	0.000	0.000	0.000	-21.418	-20.375	0.000	20.375	-1.463
134.0	-1.669	-3.324	0.000	0.000	0.000	-18.439	-20.682	0.000	20.682	-1.470
135.0	-1.649	-3.265	0.000	0.000	0.000	-16.770	-20.991	0.000	20.991	-1.477
136.0	-1.630	-3.206	0.000	0.000	0.000	-15.121	-21.301	0.000	21.301	-1.484
137.0	-1.610	-3.148	0.000	0.000	0.000	-13.491	-21.612	0.000	21.612	-1.490
138.0	-1.591	-3.090	0.000	0.000	0.000	-11.881	-21.925	0.000	21.925	-1.495
139.0	-1.572	-3.032	0.000	0.000	0.000	-10.290	-22.239	0.000	22.239	-1.500
140.0	-1.552	-2.975	0.000	0.000	0.000	-8.719	-22.553	0.000	22.553	-1.504
141.0	-1.533	-2.919	0.000	0.000	0.000	-7.166	-22.869	0.000	22.869	-1.508
142.0	-1.515	-2.863	0.000	0.000	0.000	-5.633	-23.185	0.000	23.185	-1.511
143.0	-0.612	-1.027	0.000	0.000	0.000	-4.118	-23.502	0.000	23.502	-1.514
144.0	-0.594	-0.984	0.000	0.000	0.000	-3.506	-23.819	0.000	23.819	-1.516
145.0	-0.576	-0.942	0.000	0.000	0.000	-2.912	-24.137	0.000	24.137	-1.518
146.0	-0.558	-0.901	0.000	0.000	0.000	-2.336	-24.455	0.000	24.455	-1.519
147.0	-0.540	-0.859	0.000	0.000	0.000	-1.778	-24.773	0.000	24.773	-1.520
148.0	-0.523	-0.819	0.000	0.000	0.000	-1.238	-25.092	0.000	25.092	-1.521
149.0	-0.501	0.000	0.000	0.000	0.000	-0.715	-25.410	0.000	25.410	-1.522

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

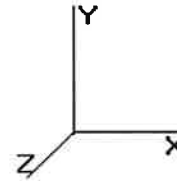
Code: TIA/EIA-222 Rev F

12/22/2014 11:58:05 AM

Page: 51

Base Elev : 0.000 (ft)

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Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Calculated Stresses

Seg Elev (ft)	Applied Stresses							Combined (ksi)	Allowable Stress (Fb) (ksi)	Stress Ratio
	Axial (Y) (ksi)	Shear (X) (ksi)	Shear (Z) (ksi)	Torsion (ksi)	Bending (X) (ksi)	Bending (Z) (ksi)				
0.00	0.51	0.33	0.00	0.00	0.00	11.53	12.05	52.0	0.0	0.232
1.00	0.51	0.33	0.00	0.00	0.00	11.51	12.03	52.0	0.0	0.231
2.00	0.51	0.33	0.00	0.00	0.00	11.49	12.01	52.0	0.0	0.231
3.00	0.51	0.33	0.00	0.00	0.00	11.46	11.98	52.0	0.0	0.231
4.00	0.50	0.33	0.00	0.00	0.00	11.44	11.96	52.0	0.0	0.230
5.00	0.50	0.33	0.00	0.00	0.00	11.42	11.93	52.0	0.0	0.230
6.00	0.50	0.33	0.00	0.00	0.00	11.39	11.91	52.0	0.0	0.229
7.00	0.50	0.33	0.00	0.00	0.00	11.37	11.88	52.0	0.0	0.229
8.00	0.50	0.33	0.00	0.00	0.00	11.34	11.85	52.0	0.0	0.228
9.00	0.49	0.33	0.00	0.00	0.00	11.32	11.83	52.0	0.0	0.227
10.00	0.49	0.33	0.00	0.00	0.00	11.29	11.80	52.0	0.0	0.227
11.00	0.49	0.33	0.00	0.00	0.00	11.27	11.77	52.0	0.0	0.226
12.00	0.49	0.33	0.00	0.00	0.00	11.24	11.74	52.0	0.0	0.226
13.00	0.48	0.33	0.00	0.00	0.00	11.21	11.71	52.0	0.0	0.225
14.00	0.48	0.34	0.00	0.00	0.00	11.19	11.68	52.0	0.0	0.225
15.00	0.48	0.34	0.00	0.00	0.00	11.16	11.65	52.0	0.0	0.224
16.00	0.48	0.34	0.00	0.00	0.00	11.13	11.62	52.0	0.0	0.224
17.00	0.47	0.34	0.00	0.00	0.00	11.10	11.59	52.0	0.0	0.223
18.00	0.47	0.34	0.00	0.00	0.00	11.07	11.56	52.0	0.0	0.222
19.00	0.47	0.34	0.00	0.00	0.00	11.04	11.53	52.0	0.0	0.222
20.00	0.47	0.34	0.00	0.00	0.00	11.01	11.49	52.0	0.0	0.221
21.00	0.46	0.34	0.00	0.00	0.00	10.98	11.46	52.0	0.0	0.220
22.00	0.46	0.34	0.00	0.00	0.00	10.95	11.43	52.0	0.0	0.220
23.00	0.46	0.34	0.00	0.00	0.00	10.92	11.39	52.0	0.0	0.219
24.00	0.46	0.34	0.00	0.00	0.00	10.88	11.36	52.0	0.0	0.218
25.00	0.46	0.34	0.00	0.00	0.00	10.85	11.32	52.0	0.0	0.218
26.00	0.45	0.34	0.00	0.00	0.00	10.82	11.28	52.0	0.0	0.217
27.00	0.45	0.34	0.00	0.00	0.00	10.78	11.25	52.0	0.0	0.216
28.00	0.45	0.35	0.00	0.00	0.00	10.75	11.21	52.0	0.0	0.216
29.00	0.45	0.35	0.00	0.00	0.00	10.71	11.17	52.0	0.0	0.215
30.00	0.44	0.35	0.00	0.00	0.00	10.67	11.13	52.0	0.0	0.214
31.00	0.44	0.35	0.00	0.00	0.00	10.64	11.09	52.0	0.0	0.213
32.00	0.44	0.35	0.00	0.00	0.00	10.60	11.05	52.0	0.0	0.213
33.00	0.44	0.35	0.00	0.00	0.00	10.56	11.01	52.0	0.0	0.212
34.00	0.43	0.35	0.00	0.00	0.00	10.52	10.97	52.0	0.0	0.211
35.00	0.43	0.35	0.00	0.00	0.00	10.48	10.93	52.0	0.0	0.210
36.00	0.43	0.35	0.00	0.00	0.00	10.44	10.89	52.0	0.0	0.209
37.00	0.43	0.35	0.00	0.00	0.00	10.40	10.84	52.0	0.0	0.209
38.00	0.42	0.35	0.00	0.00	0.00	10.36	10.80	52.0	0.0	0.208
39.00	0.42	0.35	0.00	0.00	0.00	10.32	10.75	52.0	0.0	0.207
40.00	0.42	0.36	0.00	0.00	0.00	10.27	10.71	52.0	0.0	0.206
41.00	0.42	0.36	0.00	0.00	0.00	10.23	10.66	52.0	0.0	0.205
42.00	0.41	0.36	0.00	0.00	0.00	10.18	10.61	52.0	0.0	0.204
43.00	0.41	0.36	0.00	0.00	0.00	10.14	10.57	52.0	0.0	0.203
44.00	0.41	0.36	0.00	0.00	0.00	10.09	10.52	52.0	0.0	0.202
45.00	0.41	0.36	0.00	0.00	0.00	10.04	10.47	52.0	0.0	0.201
46.00	0.40	0.36	0.00	0.00	0.00	9.99	10.42	52.0	0.0	0.200
47.00	0.40	0.36	0.00	0.00	0.00	9.95	10.37	52.0	0.0	0.199
48.00	0.40	0.36	0.00	0.00	0.00	9.90	10.31	52.0	0.0	0.198
49.00	0.39	0.36	0.00	0.00	0.00	9.75	10.16	52.0	0.0	0.196
50.00	0.39	0.36	0.00	0.00	0.00	9.70	10.11	52.0	0.0	0.194

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
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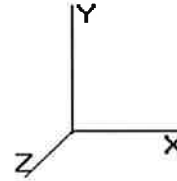
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12/22/2014 11:58:05 AM

Page: 52

Base Elev: 0.000 (ft)

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Load Case: Twist/Sway 50.00 mph Wind with No Ice 27 Iterations

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

51.00	0.38	0.37	0.00	0.00	0.00	9.65	10.05	52.0	0.0	0.193
52.00	0.38	0.37	0.00	0.00	0.00	9.59	9.99	52.0	0.0	0.192
53.00	0.38	0.37	0.00	0.00	0.00	9.54	9.93	52.0	0.0	0.191
53.25	0.42	0.43	0.00	0.00	0.00	10.47	10.92	52.0	0.0	0.210
54.00	0.42	0.43	0.00	0.00	0.00	10.42	10.86	52.0	0.0	0.209
55.00	0.41	0.44	0.00	0.00	0.00	10.36	10.80	52.0	0.0	0.208
56.00	0.41	0.44	0.00	0.00	0.00	10.29	10.73	52.0	0.0	0.206
57.00	0.41	0.44	0.00	0.00	0.00	10.22	10.66	52.0	0.0	0.205
58.00	0.41	0.44	0.00	0.00	0.00	10.15	10.58	52.0	0.0	0.204
59.00	0.40	0.44	0.00	0.00	0.00	10.08	10.51	52.0	0.0	0.202
60.00	0.40	0.44	0.00	0.00	0.00	10.01	10.44	52.0	0.0	0.201
61.00	0.40	0.44	0.00	0.00	0.00	9.94	10.36	52.0	0.0	0.199
62.00	0.40	0.44	0.00	0.00	0.00	9.86	10.29	52.0	0.0	0.198
63.00	0.39	0.44	0.00	0.00	0.00	9.79	10.21	52.0	0.0	0.196
64.00	0.39	0.45	0.00	0.00	0.00	9.71	10.13	52.0	0.0	0.195
65.00	0.39	0.45	0.00	0.00	0.00	9.63	10.05	52.0	0.0	0.193
66.00	0.38	0.45	0.00	0.00	0.00	9.56	9.97	52.0	0.0	0.192
67.00	0.38	0.45	0.00	0.00	0.00	9.48	9.89	52.0	0.0	0.190
68.00	0.38	0.45	0.00	0.00	0.00	9.39	9.80	52.0	0.0	0.189
69.00	0.38	0.45	0.00	0.00	0.00	9.31	9.72	52.0	0.0	0.187
70.00	0.37	0.45	0.00	0.00	0.00	9.23	9.63	52.0	0.0	0.185
71.00	0.37	0.45	0.00	0.00	0.00	9.14	9.55	52.0	0.0	0.184
72.00	0.37	0.45	0.00	0.00	0.00	9.06	9.46	52.0	0.0	0.182
73.00	0.37	0.46	0.00	0.00	0.00	8.97	9.37	52.0	0.0	0.180
74.00	0.36	0.46	0.00	0.00	0.00	8.88	9.27	52.0	0.0	0.178
75.00	0.36	0.46	0.00	0.00	0.00	8.79	9.18	52.0	0.0	0.177
76.00	0.36	0.46	0.00	0.00	0.00	8.69	9.09	52.0	0.0	0.175
77.00	0.35	0.46	0.00	0.00	0.00	8.60	8.99	52.0	0.0	0.173
78.00	0.35	0.46	0.00	0.00	0.00	8.50	8.89	52.0	0.0	0.171
79.00	0.35	0.46	0.00	0.00	0.00	8.41	8.79	52.0	0.0	0.169
80.00	0.35	0.47	0.00	0.00	0.00	8.31	8.69	52.0	0.0	0.167
81.00	0.34	0.47	0.00	0.00	0.00	8.21	8.59	52.0	0.0	0.165
82.00	0.34	0.47	0.00	0.00	0.00	8.11	8.48	52.0	0.0	0.163
83.00	0.34	0.47	0.00	0.00	0.00	8.00	8.38	52.0	0.0	0.161
84.00	0.33	0.47	0.00	0.00	0.00	7.90	8.27	52.0	0.0	0.159
85.00	0.33	0.47	0.00	0.00	0.00	7.79	8.16	52.0	0.0	0.157
86.00	0.33	0.47	0.00	0.00	0.00	7.68	8.05	52.0	0.0	0.155
87.00	0.33	0.48	0.00	0.00	0.00	7.57	7.94	52.0	0.0	0.153
88.00	0.32	0.48	0.00	0.00	0.00	7.45	7.82	52.0	0.0	0.150
89.00	0.32	0.48	0.00	0.00	0.00	7.34	7.70	52.0	0.0	0.148
90.00	0.32	0.48	0.00	0.00	0.00	7.22	7.58	52.0	0.0	0.146
91.00	0.31	0.48	0.00	0.00	0.00	7.10	7.46	52.0	0.0	0.144
92.00	0.31	0.48	0.00	0.00	0.00	6.98	7.34	52.0	0.0	0.141
93.00	0.31	0.48	0.00	0.00	0.00	6.86	7.22	52.0	0.0	0.139
94.00	0.30	0.49	0.00	0.00	0.00	6.73	7.09	52.0	0.0	0.136
95.00	0.30	0.49	0.00	0.00	0.00	6.61	6.96	52.0	0.0	0.134
96.00	0.30	0.49	0.00	0.00	0.00	6.48	6.83	52.0	0.0	0.131
97.00	0.30	0.49	0.00	0.00	0.00	6.35	6.70	52.0	0.0	0.129
97.75	0.29	0.49	0.00	0.00	0.00	6.25	6.59	52.0	0.0	0.127
98.00	0.29	0.49	0.00	0.00	0.00	6.15	6.50	52.0	0.0	0.125
99.00	0.29	0.49	0.00	0.00	0.00	6.01	6.36	52.0	0.0	0.122
100.00	0.28	0.50	0.00	0.00	0.00	5.87	6.22	52.0	0.0	0.120
101.00	0.28	0.50	0.00	0.00	0.00	5.73	6.07	52.0	0.0	0.117
101.50	0.36	0.82	0.00	0.00	0.00	6.95	7.44	51.0	0.0	0.146
102.00	0.36	0.82	0.00	0.00	0.00	6.86	7.35	51.1	0.0	0.144
103.00	0.35	0.82	0.00	0.00	0.00	6.67	7.17	51.2	0.0	0.140
104.00	0.35	0.83	0.00	0.00	0.00	6.48	6.98	51.4	0.0	0.136

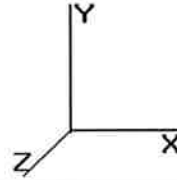
Pole : 243036
 Location : West Haven & Rt 162 CT, CT
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Code: TIA/EIA-222 Rev F

12/22/2014 11:58:05 AM

Page: 53

Base Elev : 0.000 (ft)



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Load Case: Twist/Sway	50.00 mph Wind with No Ice	27 Iterations
Gust Response Factor : 1.69		
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

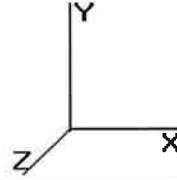
105.00	0.35	0.80	0.00	0.00	0.00	6.29	6.78	51.6	0.0	0.131
106.00	0.34	0.81	0.00	0.00	0.00	6.10	6.59	51.8	0.0	0.127
107.00	0.34	0.81	0.00	0.00	0.00	5.91	6.40	52.0	0.0	0.123
108.00	0.33	0.81	0.00	0.00	0.00	5.71	6.21	52.0	0.0	0.119
109.00	0.33	0.82	0.00	0.00	0.00	5.52	6.02	52.0	0.0	0.116
110.00	0.33	0.82	0.00	0.00	0.00	5.32	5.82	52.0	0.0	0.112
111.00	0.32	0.82	0.00	0.00	0.00	5.12	5.63	52.0	0.0	0.108
112.00	0.32	0.83	0.00	0.00	0.00	4.91	5.43	52.0	0.0	0.104
113.00	0.32	0.83	0.00	0.00	0.00	4.71	5.22	52.0	0.0	0.101
114.00	0.31	0.83	0.00	0.00	0.00	4.49	5.02	52.0	0.0	0.097
115.00	0.31	0.82	0.00	0.00	0.00	4.28	4.80	52.0	0.0	0.092
116.00	0.30	0.82	0.00	0.00	0.00	4.07	4.60	52.0	0.0	0.088
117.00	0.30	0.82	0.00	0.00	0.00	3.86	4.40	52.0	0.0	0.085
118.00	0.30	0.83	0.00	0.00	0.00	3.64	4.19	52.0	0.0	0.081
118.00	0.69	0.83	0.00	0.00	0.00	11.44	12.22	52.0	0.0	0.235
119.00	0.69	0.83	0.00	0.00	0.00	10.85	11.63	52.0	0.0	0.224
120.00	0.69	0.83	0.00	0.00	0.00	10.24	11.03	52.0	0.0	0.212
121.00	0.69	0.84	0.00	0.00	0.00	9.61	10.40	52.0	0.0	0.200
122.00	0.69	0.84	0.00	0.00	0.00	8.95	9.75	52.0	0.0	0.188
123.00	0.69	0.85	0.00	0.00	0.00	8.27	9.08	52.0	0.0	0.175
124.00	0.69	0.85	0.00	0.00	0.00	7.56	8.38	52.0	0.0	0.161
125.00	0.42	0.45	0.00	0.00	0.00	6.83	7.29	52.0	0.0	0.140
126.00	0.42	0.46	0.00	0.00	0.00	6.49	6.96	52.0	0.0	0.134
127.00	0.42	0.46	0.00	0.00	0.00	6.14	6.61	52.0	0.0	0.127
128.00	0.42	0.46	0.00	0.00	0.00	5.78	6.25	52.0	0.0	0.120
129.00	0.42	0.46	0.00	0.00	0.00	5.41	5.88	52.0	0.0	0.113
130.00	0.42	0.46	0.00	0.00	0.00	5.02	5.49	52.0	0.0	0.106
131.00	0.42	0.46	0.00	0.00	0.00	4.61	5.09	52.0	0.0	0.098
132.00	0.41	0.47	0.00	0.00	0.00	4.20	4.68	52.0	0.0	0.090
133.00	0.41	0.47	0.00	0.00	0.00	3.76	4.25	52.0	0.0	0.082
134.00	0.26	0.26	0.00	0.00	0.00	3.31	3.60	52.0	0.0	0.069
135.00	0.26	0.26	0.00	0.00	0.00	3.08	3.37	52.0	0.0	0.065
136.00	0.26	0.26	0.00	0.00	0.00	2.84	3.13	52.0	0.0	0.060
137.00	0.26	0.26	0.00	0.00	0.00	2.59	2.88	52.0	0.0	0.055
138.00	0.25	0.26	0.00	0.00	0.00	2.34	2.63	52.0	0.0	0.051
139.00	0.25	0.26	0.00	0.00	0.00	2.07	2.37	52.0	0.0	0.046
140.00	0.25	0.26	0.00	0.00	0.00	1.80	2.10	52.0	0.0	0.040
141.00	0.25	0.26	0.00	0.00	0.00	1.51	1.82	52.0	0.0	0.035
142.00	0.25	0.26	0.00	0.00	0.00	1.22	1.53	52.0	0.0	0.030
143.00	0.09	0.11	0.00	0.00	0.00	0.91	1.02	52.0	0.0	0.020
144.00	0.09	0.11	0.00	0.00	0.00	0.80	0.90	52.0	0.0	0.017
145.00	0.08	0.10	0.00	0.00	0.00	0.68	0.78	52.0	0.0	0.015
146.00	0.08	0.10	0.00	0.00	0.00	0.56	0.66	52.0	0.0	0.013
147.00	0.08	0.10	0.00	0.00	0.00	0.44	0.54	52.0	0.0	0.010
148.00	0.08	0.10	0.00	0.00	0.00	0.31	0.42	52.0	0.0	0.008
149.00	0.00	0.10	0.00	0.00	0.00	0.18	0.25	52.0	0.0	0.005

Pole : 243036
 Location : West Haven & Rt 162 CT, CT
 Height : 149.0 (ft)
 Base Dia : 52.01 (in)
 Top Dia : 18.00 (in)
 Shape : 18 Sides
 Taper : 0.234965 (in/ft)

Code: TIA/EIA-222 Rev F

Base Elev : 0.000 (ft)

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12/22/2014 11:58:05 AM

Page: 54

Analysis Summary

Load Case	Reactions						Max Stresses			
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Combined Stress (ksi)	Allowable Stress (ksi)	Elev (ft)	Stress Ratio
No Ice	32.2	0.00	41.46	0.00	0.00	3443.57	37.89	52.0	0.00	0.729
Ice	26.5	0.00	47.52	0.00	0.00	2883.44	32.75	52.0	118.00	0.630
Twist/Sway	9.9	0.00	41.47	0.00	0.00	1063.33	12.22	52.0	118.00	0.235

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Upper Termination Connectors				Lower Termination Connectors				Max Member		
			VQ/I (lb/in)	Shear Applied (kips)	Shear Allow (kips)	MQ/I (kips)	Allow (kips)	Num Req'd	Num Actual	MQ/I (kips)	Allow (kips)	Num Req'd	Num Actual	fb (ksi)	Fb (ksi)	Ratio
0.00	118.	(4) SOL-#20 All Thre	418.3	12.5	12.9	72.4	8.1	9	12	0.0	8.1	0	0	43.9	57.8	0.759

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	52.01 in
	Pole Thickness	0.375 in
	Plate Length	59 in
	Plate Thickness	2.75 in
	Plate Fy	60 ksi
	Weld Length	0.3125 in
	Allowable	1097.49 k-in
	Applied	1015.19 k-in
	Stiffeners	#

Bolts	#	16
	Bolt Circle	59 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	174.95 k
Applied	135.72 k	
Reinforcement	#	4
	DYW. Circle	58.885 in
	Offset Angle	0°
	Type	#20
	Diameter	2.5 in
	Fu	100 ksi
Allowable	163.62 k	
Applied	116.59 k	
Extra Bolts	#	0

Code Rev. **F**
A.S.I. **1.00**
Moment **3443.6 k-ft**
Axial **41.5 k**

Date **12/22/2014**
Engineer **CCP**
Site # **243036**
Carrier **Verizon**

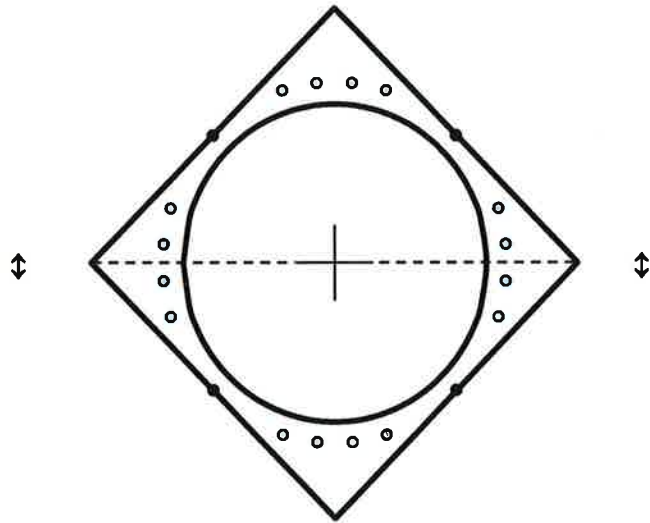


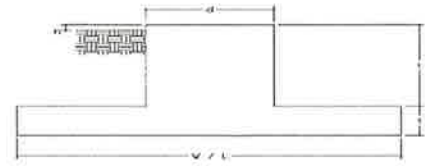
Plate Stress Ratio:
0.93 (Pass)

Bolt Stress Ratio:
0.78 (Pass)

Reinforcement Stress Ratio:
0.71 (Pass)

Site Name: West Haven & RT 162 CT, CT
 Site Number: 243036
 Engineering Number: 60842722
 Engineer: C. Poe
 Date: 12/22/14
 Tower Type: MP

Program Last Updated: 11/15/2012



Design Loads (Unfactored)

Design / Analysis / Mapping:	Analysis
Compression/Leg:	41.5 k
Uplift/Leg:	0.0 k
Total Shear:	32.2 k
Moment:	3443.6 k-ft
Tower + Appurtenance Weight:	33.5 k
Depth to Base of Foundation:	5.50 ft
Diameter of Pier (d):	7.00 ft
Height of Pier above Ground (h):	1.00
Width of Pad (W):	36.50 ft
Length of Pad (L):	22.50 ft
Thickness of Pad (t):	2.00 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:	7.00 ft
Depth Below Ground Surface to Water Table:	8.00 ft
Unit Weight of Concrete:	150.0 pcf
Unit Weight of Soil Above Water Table:	125.0 pcf
Unit Weight of Water:	62.4 pcf
Unit Weight of Soil Below Water Table:	67.5 pcf
Friction Angle of Uplift:	15.00 Degrees
Ultimate Coefficient of Shear Friction:	0.35
Allowable Compressive Bearing Pressure:	7500.0 psf
Ultimate Passive Pressure on Pad Face:	1000.0 psf
Allowable Capacity Increase:	1.00

Concrete Strength (f'_c):	4000 psi
Pad Tension Steel Depth:	20.00 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 #:	8
# of Bottom Pad Rebar:	38
Pad Bottom Steel Area:	30.02 in ²
Pad Steel F_y :	60000 psi
Top Pad Rebar Size #:	8
# of Top Pad Rebar:	38
Pad Top Steel Area:	30.02 in ²
Pier Rebar Size #:	8
Pier Steel Area (Single Bar):	0.79 in ²
# of Pier Rebar:	36
Pier Steel F_y :	60000 psi
Pier Cage Diameter:	76.0 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:	12 in
Tie Steel F_y :	60000 psi

Overturning Factor of Safety

Design OTM:	3887.4 k-ft
OTM Resistance:	7762.4 k-ft
OTM Resistance / Design OTM Factor of Safety:	2.00 Result: OK

Soil Bearing Pressure Usage:

Net Bearing Pressure:	2257 psf
Allowable Bearing Pressure:	7500 psf
Net Bearing Pressure/Allowable Bearing Pressure:	0.30 Result: OK
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge

Sliding Factor of Safety

Total Ultimate Sliding Resistance:	299.9 k
Sliding Resistance/Sliding Design Factor of Safety:	9.31 Result: OK

One Way Shear, Flexural Capacity, and Punching Shear

Factored One Way Shear (V_u):	325.0 k
One Way Shear Capacity (ϕV_c):	831.0 k - ACI11.3.1.1
$V_u / \phi V_c$:	0.39 Result: OK
Load Direction Controlling Shear Capacity:	Parallel to Pad Edge
Lower Pad Steel Factored Moment (M_u):	1697.2 k-ft
Lower Steel Pad Moment Capacity (ϕM_n):	2632.4 k-ft - ACI10.3
$M_u / \phi M_n$:	0.64 Result: OK
Load Direction Controlling Flexural Capacity:	Parallel to Pad Edge
Upper Steel Pad Factored Moment (M_u):	1100.3 k-ft
Upper Steel Pad Moment Capacity (ϕM_n):	2632.4 k-ft
$M_u / \phi M_n$:	0.42 Result: OK
Lower Pad Flexural Reinforcement Ratio:	0.0034 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Upper Pad Flexural Reinforcement Ratio:	0.0034 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):	0.6 k
Nominal Punching Shear Capacity ($\phi_c V_n$):	1239.8 k - ACI11.12.2.1
$V_u / \phi V_c$:	0.00 Result: OK
Factored Moment in Pier (M_u):	4665.0 k-ft
Pier Moment Capacity (ϕM_n):	4756.5 k-ft
$M_u / \phi M_n$:	0.98 Result: OK
Factored Shear in Pier (V_u):	41.9 k
Pier Shear Capacity (ϕV_n):	527.7 k
$V_u / \phi V_c$:	0.08 Result: OK
Pier Shear Reinforcement Ratio:	0.0004 No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0 k
Pier Tension Capacity (ϕT_n):	1535.8 k
$T_u / \phi T_n$:	0.00 Result: OK
Factored Compression in Pier (P_u):	53.9 k
Pier Compression Capacity (ϕP_n):	9747.6 k - ACI10.3.6.2
$P_u / \phi P_n$:	0.01 Result: OK
Pier Compression Reinforcement Ratio:	0.005 OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4
$M_u / \phi M_n + T_u / \phi T_n$:	0.98 Result: OK

Nominal and Design Moment Capacity and Factored Design Loads

