

January 7, 2015

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

Re: **Notice of Exempt Modification – Facility Modification  
56 Ruops Road (aka Barbara Road), Tolland, Connecticut**

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains fifteen (15) antennas at the 142- foot level of the existing 155-foot tower at 56 Ruops Road in Tolland (the “Property”). The tower is owned by American Tower Corporation. Cellco’s shared use of this tower was approved by the Council in 1989 (Docket No. 100). Cellco now intends to modify its facility by replacing nine (9) of its existing antennas with three (3) model LNX-6513DS-VTM, 700 MHz antennas; three (3) model HBXX-6516DS-VTM, 1900 MHz antennas; and three (3) model HBXX-6516DS-VTM, 2100 MHz antennas, all at the same level on the tower. Cellco also intends to install three (3) remote radio heads (“RRHs”) behind its 2100 MHz antennas and one (1) HYBRIFLEX™ antenna cable, attached to the outside of the monopole tower. Included in Attachment 1 are specifications for the replacement antennas, RRHs and HYBRIFLEX™ cables.

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 Steven R. Werbner, Town Manager for the Town of Tolland (“Town”). The Town is the owner of the Property.

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

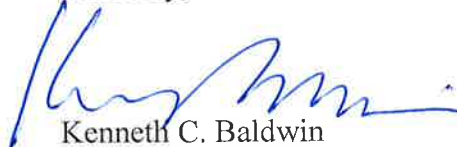
# Robinson+Cole

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1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas and RRHs will be installed on its existing antenna platform at the 142-foot level of the 155-foot tower.
2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundary.
3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.
4. The operation of the replacement antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative 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:

Steven R. Werbner, Tolland Town Manager  
Sandy M. Carter

# **ATTACHMENT 1**

# Product Specifications

COMMSCOPE®



## LNX-6513DS-VTM

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

- Extended tilt range offers better coverage
- Great solution to maximize network coverage and capacity
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Fully compatible with Andrew remote electrical tilt system for greater OpEx savings
- The RF connectors are designed for IP67 rating and the radome for IP56 rating

### Electrical Specifications

Frequency Band, MHz	698–806	806–896
Gain, dBi	14.6	15.1
Beamwidth, Horizontal, degrees	65	65
Beamwidth, Horizontal Tolerance, degrees	±3	±3
Beamwidth, Vertical, degrees	16.0	14.5
Beam Tilt, degrees	0–10	0–10
USLS, typical, dB	20	20
Front-to-Back Ratio at 180°, dB	30	30
CPR at Boresight, dB	12	12
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°
Impedance	50 ohm	50 ohm

### General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol®
Band	Single band
Brand	DualPol®   Teletilt®
Operating Frequency Band	698 – 896 MHz

### Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Bottom
Connector Quantity, total	2
Lightning Protection	dc Ground
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
Wind Loading, maximum	437.9 N @ 150 km/h 98.4 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h   149.8 mph

### Dimensions

Depth	181.0 mm   7.1 in
-------	-------------------

# Product Specifications

COMMSCOPE®

LNx-6513DS-VTM



Length	1390.0 mm   54.7 in
Width	301.0 mm   11.9 in
Net Weight	14.1 kg   31.1 lb

## Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator LNx-6513DS-R2M

Model with Factory Installed AISG 2.0 Actuator LNx-6513DS-A1M

RET System Teletilt®

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
China RoHS SJ/T 11364-2006  
ISO 9001:2008

### Classification

Compliant by Exemption  
Above Maximum Concentration Value (MCV)  
Designed, manufactured and/or distributed under this quality management system



## Included Products

**DB380** — Pipe Mounting Kit for 2.4"-4.5" (60-115mm) OD round members on wide panel antennas. Includes 2 clamp sets and double nuts.

**DB5083** — Downtilt Mounting Kit for 2.4"-4.5" (60 - 115 mm) OD round members. Includes a heavy-duty, galvanized steel downtilt mounting bracket assembly and associated hardware. This kit is compatible with the DB380 pipe mount kit for panel antennas that are equipped with two mounting brackets.

# Product Specifications

COMMScope®

POWERED BY



## HBXX-6516DS-VTM

**Andrew® Quad Port Teletilt® Antenna, 1710–2180 MHz, 65° horizontal beamwidth, RET compatible**

- Each DualPol® array can be independently adjusted for greater flexibility
- Excellent gain, VSWR, front-to-back ratio, and PIM specifications for robust network performance
- Ideal choice for site collocations and tough zoning restrictions
- Great solution to maximize network coverage and capacity
- The values presented on this datasheet have been calculated based on N-P-BASTA White Paper version 9.6 by the NGMN Alliance

### Electrical Specifications

Frequency Band, MHz	1710–1880	1850–1990	1920–2180
Gain by all Beam Tilts, average, dBi	17.2	17.2	17.5
Gain by all Beam Tilts Tolerance, dB	±0.3	±0.3	±0.5
	0°   17.0	0°   17.1	0°   17.4
Gain by Beam Tilt, average, dBi	5°   17.3	5°   17.4	5°   17.7
	10°   17.0	10°   17.0	10°   17.2
Beamwidth, Horizontal, degrees	67	66	64
Beamwidth, Horizontal Tolerance, degrees	±2.7	±2.3	±3.5
Beamwidth, Vertical, degrees	7.5	7.0	6.6
Beamwidth, Vertical Tolerance, degrees	±0.5	±0.4	±0.4
Beam Tilt, degrees	0–10	0–10	0–10
USLS, dB	18	19	19
Front-to-Back Total Power at 180° ± 30°, dB	26	26	26
CPR at Boresight, dB	22	22	22
CPR at Sector, dB	9	9	9
Isolation, dB	30	30	30
VSWR   Return Loss, dB	1.4   15.6	1.4   15.6	1.4   15.6
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153
Input Power per Port, maximum, watts	350	350	350
Polarization	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm

### General Specifications

Antenna Brand	Andrew®
Antenna Type	DualPol® single band, quad
Band	Single band
Brand	DualPol®   Teletilt®
Operating Frequency Band	1710 – 2180 MHz
Number of Ports, all types	4

### Mechanical Specifications

Color	Light gray
Lightning Protection	dc Ground
Radiator Material	Low loss circuit board
Radome Material	PVC, UV resistant
RF Connector Interface	7-16 DIN Female

# Product Specifications

COMMSCOPE®

HBXX-6516DS-VTM

RF Connector Location	Bottom
RF Connector Quantity, total	4
Wind Loading, maximum	419.0 N @ 150 km/h 94.2 lbf @ 150 km/h
Wind Speed, maximum	241.0 km/h   149.8 mph



## Dimensions

Depth	166.0 mm   6.5 in
Length	1294.0 mm   50.9 in
Width	305.0 mm   12.0 in
Net Weight	13.9 kg   30.6 lb

## Remote Electrical Tilt (RET) Information

Model with Factory Installed AISG 1.1 Actuator HBXX-6516DS-R2M

Model with Factory Installed AISG 2.0 Actuator HBXX-6516DS-A2M

RET System Teletilt®

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
China RoHS SJ/T 11364-2006  
ISO 9001:2008

### Classification

Compliant by Exemption  
Above Maximum Concentration Value (MCV)  
Designed, manufactured and/or distributed under this quality management system



## Included Products

600899A-2 — Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.

# ALCATEL-LUCENT WIRELESS PRODUCT DATASHEET RRH2X60-AWS FOR BAND 4 APPLICATIONS

The Alcatel-Lucent RRH2x60-AWS is a high power, small form factor Remote Radio Head operating in the AWS frequency band (3GPP Band 4) for LTE technology. It is designed with an eco-efficient approach, providing operators with the means to achieve high quality and high capacity coverage with minimum site requirements and efficient operation.



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

The Alcatel-Lucent RRH2x60-AWS is linked to the BBU by an optical-fiber connection carrying downlink and uplink digital radio signals

along with operations, administration and maintenance (OA&M) information.

## SUPERIOR RF PERFORMANCE

The Alcatel-Lucent RRH2x60-AWS integrates all the latest technologies. This allows to offer best-in-class characteristics.

It delivers an outstanding 120 watts of total RF power thanks to its two transmit RF paths of 60 W each.

It is ideally suited to support multiple-input multiple-output (MIMO) 2x2 operation.

It includes four RF receivers to natively support 4-way uplink reception diversity. This improves the radio uplink coverage and this can be used to extend the cell radius commensurate with 2x2MIMO 2x60 W for the downlink.

It supports multiple discontinuous LTE carriers within an instantaneous bandwidth of 45 MHz corresponding to the entire AWS B4 spectrum.

The latest generation power amplifiers (PA) used in this product achieve high efficiency (>40%), resulting in improved power consumption figures.

## OPTIMIZED TCO

The Alcatel-Lucent RRH2x60-AWS is designed to make available all the benefits of a distributed Node B, with excellent RF characteristics, with low capital expenditures (CAPEX) and low operating expenditures (OPEX).

The Alcatel-Lucent RRH2x60-AWS is a very cost-effective solution to deploy LTE MIMO.

## EASY INSTALLATION

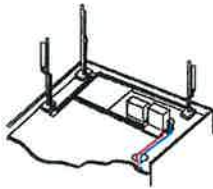
The RRH2x60-AWS includes a reversible mounting bracket which allows for ease of installation behind an antenna, or on a rooftop knee wall while providing easy access to the mid body RF connectors.

The limited space available in some sites may prevent the installation of traditional single-cabinet BTS equipment. However, many of these sites can host an Alcatel-Lucent RRH2x60-AWS installation, providing more flexible site selection and improved network quality along with greatly reduced installation time and costs.

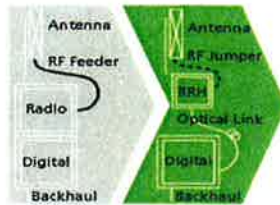
The Alcatel-Lucent RRH2x60-AWS is a zero-footprint solution and is convection cooled without fans for silent operation, simplifying negotiations with site property owners and minimizing environmental impacts.

Installation can easily be done by a single person as the Alcatel-Lucent RRH2x60-AWS is compact and weighs about 20 kg, eliminating the need for a crane to hoist the BTS cabinet to the rooftop. A site can be in operation in less than one day.

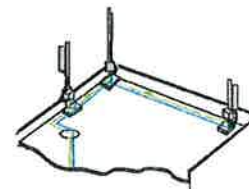




Macro



RRH for space-constrained cell sites



Distributed

## FEATURES

- RRH2x60-AWS integrates two power amplifiers of 60W rating (at each antenna connector)
- Support multiple carriers over the entire 3GPP band 4
- RRH2x60-AWS is optimized for LTE operation
- RRH2x60-AWS is a very compact and lightweight product
- Advanced power management techniques are embedded to provide power savings, such as PA bias control

## BENEFITS

- MIMO LTE operation with only one single unit per sector
- Improved uplink coverage with built-in 4-way receive diversity capability
- RRH can be mounted close to the antenna, eliminating nearly all losses in RF cables and thus reducing power consumption by 50% compared to conventional solutions
- Distributed configurations provide easily deployable and cost-effective solutions, near zero footprint and

silent solutions, with minimum impact on the neighborhood, which ease the deployment

- RETA and TMA support without additional hardware thanks to the AISG v2.0 port and the integrated Bias-Tees. Bias-Tees support AISG DC supply and signaling.

## TECHNICAL SPECIFICATIONS

Specifications listed are hardware capabilities. Some capabilities depend on support in a specific software release or future release.

### Dimensions and weights

- HxWxD : 510x285x186mm (27 l with solar shield)
- Weight : 20 kg (44 lbs)

### Electrical Data

- Power Supply : -48V DC (-40.5 to -57V)
- Power Consumption (ETSI average traffic load reference) : 250W @2x60W

### RF Characteristics

- Frequency band: 1710-1755, UL / 2110-2155 MHz, DL (3GPP band 4)
- Output power: 2x60W at antenna connectors
- Technology supported: LTE
- Instantaneous bandwidth: 45 MHz
- Rx diversity: 2-way and 4-way uplink reception
- Typical sensitivity without Rx diversity: -105 dBm for LTE

### Connectivity

- Two CPRI optical ports for daisy chaining and up to six RRHs per fiber
- Type of optical fiber: Single-Mode (SM) and Multi-Mode (MM) SFPs
- Optical fiber length: up to 500m using MM fiber, up to 20km using SM fiber
- TMA/RETA : AISG 2.0 (RS485 connector and internal Bias-Tee)
- Six external alarms
- Surge protection for all external ports (DC and RF)

### Environmental specifications

- Operating temperature: -40°C to 55°C including solar load
- Operating relative humidity: 8% to 100%
- Environmental Conditions : ETS 300 019-1-4 class 4.1E
- Ingress Protection : IEC 60529 IP65
- Acoustic Noise : Noiseless (natural convection cooling)

### Safety and Regulatory Data

- EMC : 3GPP 25113, EN 301 489-1, EN 301 489-23, GR 1089, GR 3108, OET-65
- Safety : IEC60950-1, EN 60825-1, UL, ANSI/NFPA 70, CAN/CSA-C22.2
- Regulatory : FCC Part 15 Class B, CE Mark – European Directive : 2002/95/EC (ROHS); 2002/96/EC (WEEE); 1999/5/EC (R&TTE)
- Health : EN 50385

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.....Alcatel-Lucent

**AT THE SPEED OF IDEAS™**





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

**Product Description**

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

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

**Features/Benefits**

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



Figure 1: HYBRIFLEX Series

**Technical Specifications**

Outer Conductor Armor	Corrugated Aluminum	[mm (in.)]	46.5 (1.83)
Jacket	Polyethylene, PE	[mm (in.)]	50.3 (1.98)
UV-Protection	Individual and External Jacket		Yes
Weight, Approximate		[kg/m (lb/ft)]	1.9 (1.30)
Minimum Bending Radius, Single Bending		[mm (in.)]	200 (8)
Minimum Bending Radius, Repeated Bending		[mm (in.)]	500 (20)
Recommended/Maximum Clamp Spacing		[m (ft)]	1.0 / 1.2 (3.25 / 4.0)
DC-Resistance Outer Conductor Armor		[Ω/km (Ω/1000ft)]	068 (0.255)
DC-Resistance Power Cable 3.4mm <sup>2</sup> (8AWG)		[Ω/km (Ω/1000ft)]	2.1 (0.307)
Version			Single-mode OM3
Quantity, Fiber Count			16 (8 pairs)
Core/Clad		[μm]	50/125
Primary Coating (Acrylate)		[μm]	245
Buffer Diameter, Nominal		[μm]	900
Secondary Protection, Jacket, Nominal		[mm (in.)]	2.0 (0.08)
Minimum Bending Radius		[mm (in.)]	104 (4.1)
Insertion Loss @ wavelength 850nm		dB/km	3.0
Insertion Loss @ wavelength 1310nm		dB/km	1.0
Standards (Meets or exceeds)			UL94-V0 UL1666 RoHS Compliant
Size (Power)		[mm (AWG)]	8.4 (8)
Quantity, Wire Count (Power)			16 (8 pairs)
Size (Alarm)		[mm (AWG)]	0.8 (18)
Quantity, Wire Count (Alarm)			4 (2 pairs)
Type			UV protected
Strands			19
Primary Jacket Diameter, Nominal		[mm (in.)]	6.8 (0.27)
Standards (Meets or exceeds)			NFPA 130, ICEA S-95-658 UL Type XHHW-2, UL 44 UL-LS Limited Smoke, UL VW-1 IEEE-383 (1974), IEEE1202/FT4 RoHS Compliant
Installation Temperature		[°C (°F)]	-40 to +65 (-40 to 149)
Operation Temperature		[°C (°F)]	-40 to +65 (-40 to 149)

\* This data is provisional and subject to change

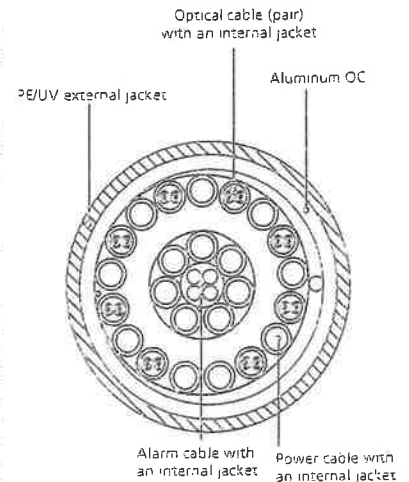


Figure 2: Construction Detail

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

# **ATTACHMENT 2**



# **ATTACHMENT 3**



**AMERICAN TOWER®**  
CORPORATION

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## Structural Analysis Report

**Structure** : 155 ft Monopole  
**ATC Site Name** : Tolland CT, CT  
**ATC Site Number** : 302495  
**Engineering Number** : 59018126  
**Proposed Carrier** : Verizon  
**Carrier Site Name** : Tolland, CT  
**Carrier Site Number** : NA  
**Site Location** : 5 Barbara Road  
Tolland, CT 06084-3116  
41.873333,-72.338300  
**County** : Tolland  
**Date** : November 14, 2014  
**Max Usage** : 86%  
**Result** : Pass

Joseph R. King, E.I.





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## Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 155 ft monopole to reflect the change in loading by Verizon.

## Supporting Documents

<b>Tower Drawings</b>	EI Drawing #GS50842 Rev 1, dated June 24, 1998
<b>Foundation Drawing</b>	EI Drawing #F3503-150.N, dated March 2, 1998
<b>Geotechnical Report</b>	ASR Project #12-06074, dated December 1, 2006
<b>Modifications</b>	Spectrasite Drawing #M1, dated November 15, 2004

## Analysis

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

<b>Basic Wind Speed:</b>	100 mph (3-Second Gust)
<b>Basic Wind Speed w/ Ice:</b>	50 mph (3-Second Gust) w/ 1" radial ice concurrent
<b>Code:</b>	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
<b>Structure Class:</b>	II
<b>Exposure Category:</b>	B
<b>Topographic Category:</b>	1

## Conclusion

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

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





**Existing and Reserved Equipment**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
155.0	155.0	6	Ericsson KRY 112 71/x	Flush	(6) 1 5/8" Coax	T-Mobile
		3	EMS RR90-17-02DP			
150.0	156.0	1	7' Omni	Platform w/ Handrails	(1) 1 1/4" Coax	USA Mobility
149.0	149.0	1	Andrew ABT-DMDF-ADBH		(12) 1 1/4" Coax (2) 0.78" 8 AWG 6 (1) 0.39" Cable (1) 3" Conduit	AT&T Mobility
		3	Powerwave 7020.00 Dual Band RET			
		6	Kathrein 782-10250			
		6	CCI DTMAPB7819VG12A			
		6	Ericsson RRUS 11 (Band 12)			
		3	Powerwave 7770.00			
6	KMW AM-X-CD-16-65-00T-RET					
142.0	142.0	6	Swedcom ALP 9212-N	Platform w/ Handrails	(15) 1 5/8" Coax	Verizon
130.0	133.0	5	Decibel 980H65T2E-M	Platform w/ Handrails	(9) 1 5/8" Coax	Sprint Nextel
		4	Decibel DB980H90A-KL			
115.0	115.0	9	48" x 12" Panel	Platform w/ Handrails	(12) 1 5/8" Coax	
		3	72" x 12" Panel			
105.0	105.0	3	RFS APXV18-206517S-C	Flush	(6) 1 5/8" Coax	Metro PCS
81.0	81.0	1	GPS	Stand Off	(1) 1/2" Coax	T-Mobile
61.0	67.0	2	GPS	Stand Offs	(2) 1/2" Coax	Sprint Nextel
55.0	56.0	1	2" x 4" GPS	Stand Off	(1) 1/2" Coax	
15.0	17.0	1	4' Std. Dish	Flush	(1) 0.28" RG-6	USA Mobility

**Equipment to be Removed**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
142.0	142.0	6	Decibel 948F85T2E-M	-	-	Verizon
		3	Powerwave P65-15-XL-2			

**Proposed Equipment**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
142.0	142.0	3	Alcatel-Lucent RRH2X60-AWS	Platform w/ Handrails	(1) 1 5/8" Hybriflex	Verizon
		1	RFS DB-T1-6Z-8AB-OZ			
		6	Andrew HBXX-6516DS-A2M			
		3	Andrew LNX-6513DS-A1M			

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

Install proposed coax outside the pole shaft alongside existing Verizon coax. Stacking coax is not allowed.



**Structure Usages**

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	77%	Pass
Shaft	86%	Pass
Base Plate	59%	Pass
Flanges	46%	Pass

**Foundations**

Reaction Component	Original Design Reactions	Factored Design Reactions*	Analysis Reactions	% of Design
Moment (Kips-Ft)	3,309.0	4,467.2	3,877.7	87%
Shear (Kips)	32.2	43.5	35.7	82%

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

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

**Deflection and Sway\***

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
142.0	2.238	1.768

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



## **Standard Conditions**

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

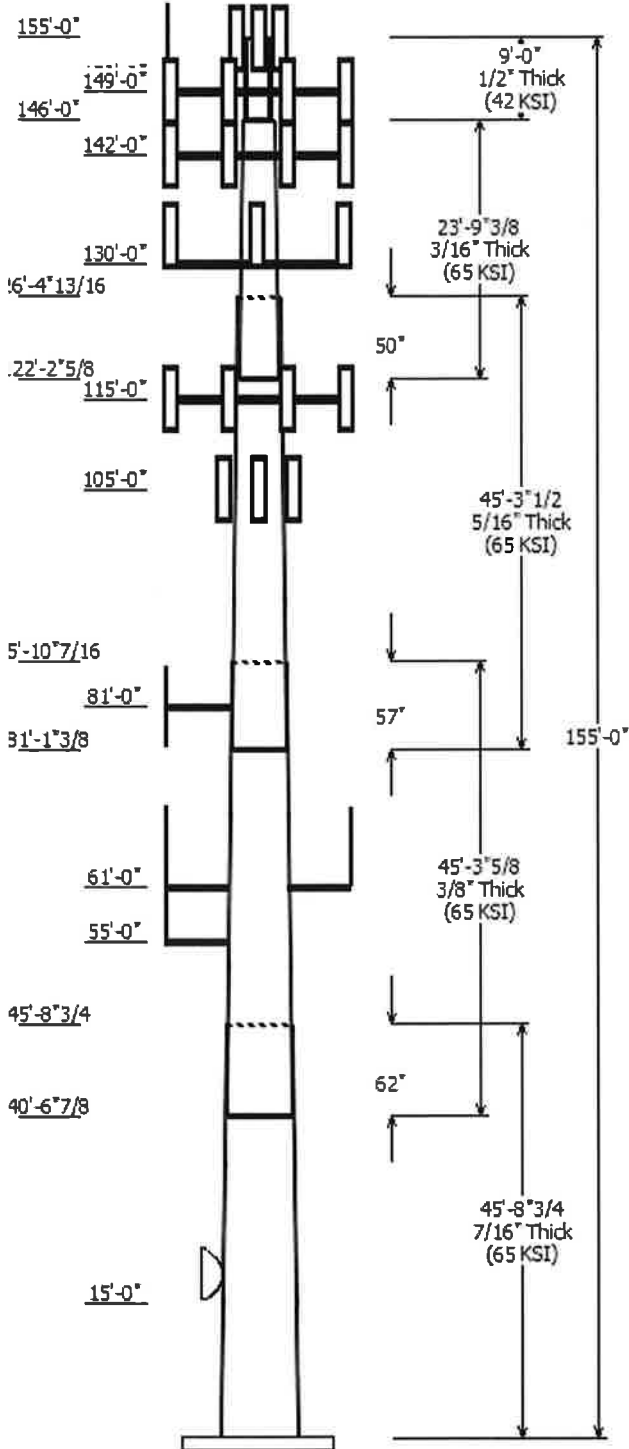
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
  
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

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

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

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

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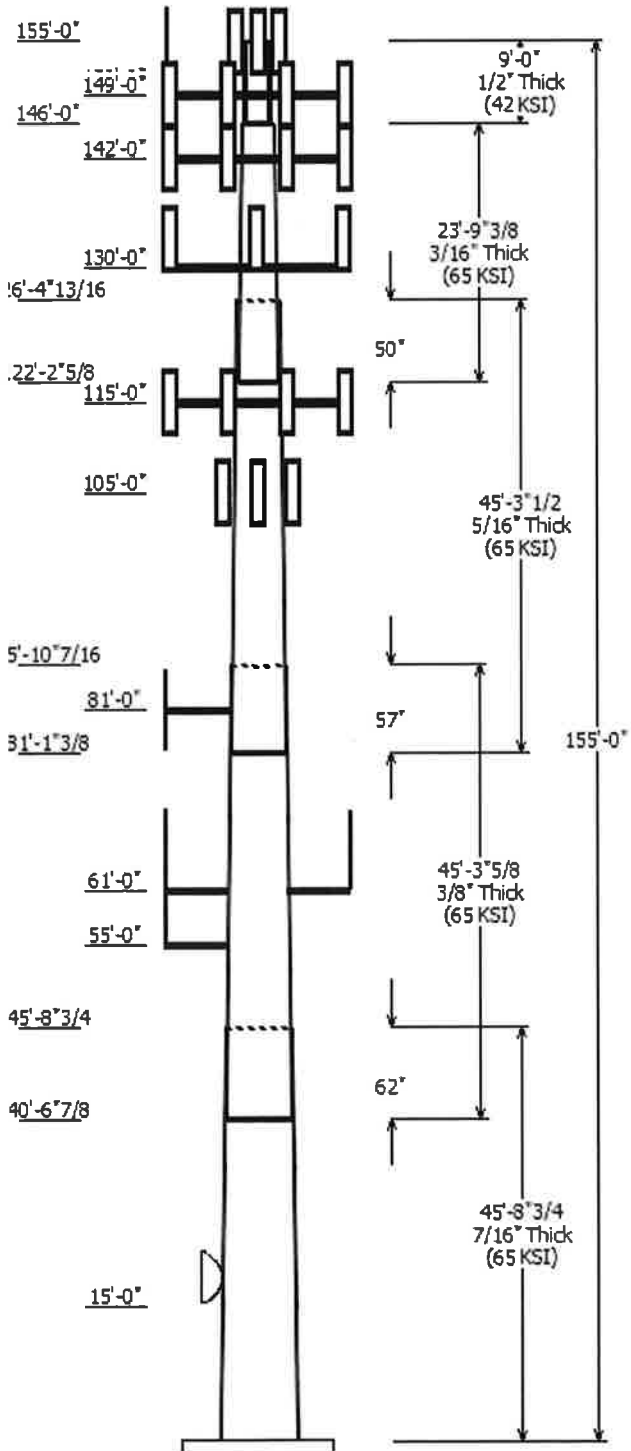


Job Information	
Pole : 302495	Code: ANSI/TIA-222 Rev G
Description : EEI 155' Monopole - Model verified 4/25/12	
Client : Verizon Wireless	Struct Class : II
Location : Tolland CT, CT	
Shape : 12 Sides	Exposure : B
Height : 155.00 (ft)	Topo : 1
Base Elev (ft): 0.00	
Taper: 0.21061(in/ft)	

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Across Top	Flats Bottom					
1	45.730	40.36	50.00	0.438		0.000	0.210616	65
2	45.300	32.66	42.20	0.375	Slip Joint	61.910	0.210616	65
3	45.290	24.75	34.29	0.313	Slip Joint	57.090	0.210616	65
4	23.780	21.00	26.00	0.188	Slip Joint	50.196	0.210616	65
5	9.000	16.00	16.00	0.500	Butt Joint	0.000	0.000000	42

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
155.000	160.000	1	Canister
155.000	155.000	6	Ericsson KRY 112 71/x
155.000	155.000	3	EMS RR90-17-02DP
150.000	156.000	1	7' Omni
149.000	149.000	3	Powerwave 7770.00
149.000	149.000	1	Flat Platform w/ Handrails
149.000	149.000	3	Powerwave 7020.00 Dual Band
149.000	149.000	6	KMW AM-X-CD-16-65-00T-RET
149.000	149.000	6	Ericsson RRUS 11 (Band 12)
149.000	149.000	6	CCI DTMABP7819VG12A
149.000	149.000	6	Kathrein 782-10250
149.000	149.000	1	Andrew ABT-DMDF-ADBH
142.000	142.000	1	RFS DB-T1-6Z-8AB-0Z
142.000	142.000	6	Andrew HBXX-6516DS-A2M
142.000	142.000	3	Andrew LNX-6513DS-A1M
142.000	142.000	6	Swedcom ALP 9212-N
142.000	142.000	3	Alcatel-Lucent RRH2X60-AWS
142.000	142.000	1	Flat Platform w/ Handrails
130.000	130.000	1	Flat Platform w/ Handrails
130.000	133.000	4	Decibel DB980H90A-KL
130.000	133.000	5	Decibel 980H65T2E-M
115.000	115.000	3	72" x 12" Panel
115.000	115.000	9	48" x 12" Panel
115.000	115.000	1	Flat Platform w/ Handrails
105.000	105.000	3	RFS APXV18-206517S-C
81.000	81.000	1	GPS
81.000	81.000	1	Stand Off
61.000	67.000	2	GPS
61.000	61.000	2	Stand Off
55.000	56.000	1	2" x 4" GPS
55.000	55.000	1	Stand Off
15.000	17.000	1	4' Std. Dish

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
120.0	149.0	Climbing Ladder	Yes
0.000	150.0	1 1/4" Coax	No
0.000	155.0	1 5/8" Coax	No
0.000	15.000	0.28" RG-6	Yes

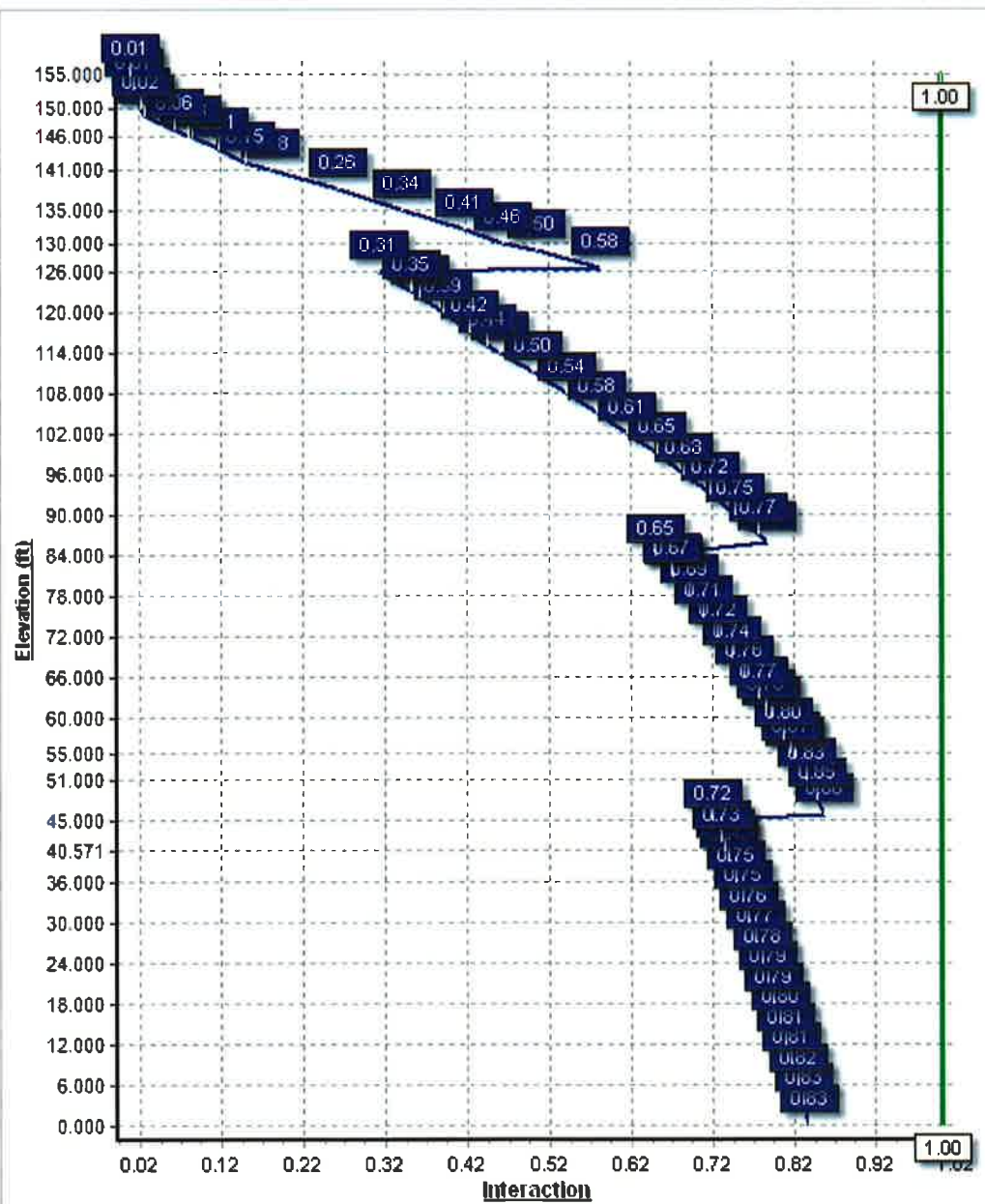


0.000	55.000	1/2" Coax	Yes
0.000	61.000	1/2" Coax	Yes
0.000	81.000	1/2" Coax	Yes
0.000	105.0	1 5/8" Coax	No
0.000	115.0	1 5/8" Coax	No
0.000	130.0	1 5/8" Coax	No
0.000	142.0	1 5/8" Coax	Yes
0.000	142.0	1 5/8" Coax	No
0.000	142.0	1 5/8" Hybriflex	Yes
0.000	149.0	0.39" Cable	No
0.000	149.0	0.78" 8 AWG 6	No
0.000	149.0	1 1/4" Coax	Yes
0.000	149.0	1 1/4" Coax	No
0.000	149.0	3" Conduit	No

Load Cases	
1.2D + 1.6W	100.00 mph with No Ice
0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice
1.0D + 1.0W	60.00 mph Serviceability

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	3877.73	35.71	50.80
0.9D + 1.6W	3789.38	35.45	38.09
1.2D + 1.0Di + 1.0Wi	980.15	8.11	91.57
1.0D + 1.0W	859.11	7.98	42.37

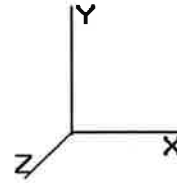
Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	15.00	0.264	0.168



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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**Shaft Section Properties**

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Bottom						Top							
							Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)	
1-12	45.730	0.4375	65		0.00	9,809	50.00	0.00	69.82	21891.7	27.94	114.29	40.36	45.73	56.25	11448.6	22.04	92.27	0.210616	
2-12	45.300	0.3750	65	Slip	61.91	6,898	42.20	40.57	50.51	11280.8	27.48	112.55	32.66	85.87	38.99	5188.5	20.66	87.10	0.210616	
3-12	45.290	0.3125	65	Slip	57.09	4,530	34.29	81.11	34.19	5038.6	26.72	109.73	24.75	126.40	24.59	1875.0	18.54	79.21	0.210616	
4-12	23.780	0.1875	65	Slip	50.20	1,139	26.00	122.22	15.59	1326.7	34.49	138.71	21.00	146.00	12.57	694.7	27.33	112.00	0.210616	
5-12	9.000	0.5000	42	Butt	0.00	764	16.00	146.00	24.95	765.3	5.89	32.00	16.00	155.00	24.95	765.3	5.89	32.00	0.000000	
Shaft Weight						23,140														

**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		
155.00	Canister	1	500.00	9.800	1.00	897.82	13.177	1.00	0.000	5.000
155.00	EMS RR90-17-02DP	3	18.00	4.360	0.01	162.97	5.726	0.01	0.000	0.000
155.00	Ericsson KRY 112 71/x	6	13.20	0.730	0.01	53.60	1.163	0.01	0.000	0.000
150.00	7' Omni	1	15.00	2.100	1.00	158.81	4.250	1.00	0.000	6.000
149.00	Andrew ABT-DMDF-ADBH	1	1.10	0.050	0.50	10.92	0.202	0.50	0.000	0.000
149.00	CCI DTMAPB7819VG12A	6	19.20	0.970	0.50	70.32	1.570	0.50	0.000	0.000
149.00	Ericsson RRUS 11 (Band 12)	6	50.00	2.570	0.67	167.41	3.465	0.67	0.000	0.000
149.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	3,897.51	70.401	1.00	0.000	0.000
149.00	Kathrein 782-10250	6	6.40	0.520	0.50	36.67	0.914	0.50	0.000	0.000
149.00	KMW AM-X-CD-16-65-00T-	6	48.50	8.020	0.79	317.21	9.783	0.79	0.000	0.000
149.00	Powerwave 7020.00 Dual	3	2.20	0.400	0.50	27.29	0.742	0.50	0.000	0.000
149.00	Powerwave 7770.00	3	35.00	5.510	0.77	228.95	6.950	0.77	0.000	0.000
142.00	Alcatel-Lucent RRH2X60-	3	39.60	1.880	0.50	136.37	2.677	0.50	0.000	0.000
142.00	Andrew HBXX-6516DS-A2M	6	30.60	5.420	0.80	234.87	6.805	0.80	0.000	0.000
142.00	Andrew LNX-6513DS-A1M	3	30.40	5.850	0.83	253.34	7.301	0.83	0.000	0.000
142.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	3,888.40	70.267	1.00	0.000	0.000
142.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	4.800	0.67	245.88	5.984	0.67	0.000	0.000
142.00	Swedcom ALP 9212-N	6	26.70	4.520	0.67	235.40	12.625	0.67	0.000	0.000
130.00	Decibel 980H65T2E-M	5	8.50	3.800	0.79	140.56	5.204	0.79	0.000	3.000
130.00	Decibel DB980H90A-KL	4	8.50	3.800	0.79	140.56	5.204	0.79	0.000	3.000
130.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	3,871.80	70.022	1.00	0.000	0.000
115.00	48" x 12" Panel	9	30.00	5.070	0.67	214.41	6.373	0.67	0.000	0.000
115.00	72" x 12" Panel	3	40.00	8.130	0.67	303.83	9.850	0.67	0.000	0.000
115.00	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	3,848.99	69.685	1.00	0.000	0.000
105.00	RFS APXV18-206517S-C	3	22.00	5.170	0.80	183.54	6.640	0.80	0.000	0.000
81.00	GPS	1	10.00	1.000	1.00	62.65	1.065	1.00	0.000	0.000
81.00	Stand Off	1	75.00	2.500	1.00	140.64	4.688	1.00	0.000	0.000
61.00	GPS	2	10.00	1.000	1.00	60.58	1.047	1.00	0.000	6.000
61.00	Stand Off	2	75.00	2.500	1.00	138.80	4.627	1.00	0.000	0.000
55.00	2" x 4" GPS	1	5.00	0.040	1.00	14.74	0.248	1.00	0.000	1.000
55.00	Stand Off	1	75.00	2.500	1.00	138.14	4.605	1.00	0.000	0.000
15.00	4' Std. Dish	1	188.00	20.910	1.00	521.59	24.002	1.00	0.000	2.000
Totals		98	11158.80			31,873.19			Number of Loadings :	32

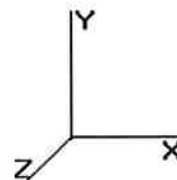
**Linear Appurtenance Properties**

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	155.00	(6) 1 5/8" Coax	0.00	N

Pole : 302495  
Location : Tolland CT, CT  
Height : 155.0 (ft)  
Base Dia : 50.00 (in)  
Top Dia : 16.00 (in)  
Shape : 12 Sides  
Taper : 0.210616 (in/ft)

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

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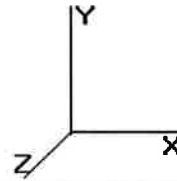
0.00	150.00	(1) 1 1/4" Coax	0.00	N
0.00	149.00	(1) 0.39" Cable	0.00	N
0.00	149.00	(2) 0.78" 8 AWG 6	0.00	N
0.00	149.00	(3) 1 1/4" Coax	1.55	Y
0.00	149.00	(9) 1 1/4" Coax	0.00	N
0.00	149.00	(1) 3" Conduit	0.00	N
120.00	149.00	(1) Climbing Ladder	2.00	Y
0.00	142.00	(3) 1 5/8" Coax	1.98	Y
0.00	142.00	(12) 1 5/8" Coax	0.00	N
0.00	142.00	(1) 1 5/8" Hybriflex	0.00	Y
0.00	130.00	(9) 1 5/8" Coax	0.00	N
0.00	115.00	(12) 1 5/8" Coax	0.00	N
0.00	105.00	(6) 1 5/8" Coax	0.00	N
0.00	81.00	(1) 1/2" Coax	0.00	Y
0.00	61.00	(2) 1/2" Coax	0.00	Y
0.00	55.00	(1) 1/2" Coax	0.00	Y
0.00	15.00	(1) 0.28" RG-6	0.00	Y



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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**Segment Properties** (Max Len : 3 ft)

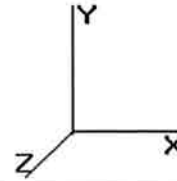
Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in3)	Weight (lb)
0.00		0.4375	50.000	69.821	21,891.7	27.94	114.29	74.2	845.8	0.0
3.00		0.4375	49.368	68.931	21,065.1	27.56	112.84	74.7	824.3	708.2
6.00		0.4375	48.736	68.041	20,259.5	27.17	111.40	75.1	803.1	699.1
9.00		0.4375	48.104	67.151	19,474.8	26.78	109.95	75.5	782.1	690.0
12.00		0.4375	47.473	66.261	18,710.5	26.40	108.51	75.9	761.4	681.0
15.00		0.4375	46.841	65.371	17,966.6	26.01	107.06	76.3	741.0	671.9
18.00		0.4375	46.209	64.480	17,242.6	25.62	105.62	76.8	720.9	662.8
21.00		0.4375	45.577	63.590	16,538.3	25.23	104.18	77.2	701.0	653.7
24.00		0.4375	44.945	62.700	15,853.5	24.85	102.73	77.6	681.4	644.6
27.00		0.4375	44.313	61.810	15,187.9	24.46	101.29	78.0	662.1	635.5
30.00		0.4375	43.682	60.920	14,541.1	24.07	99.84	78.5	643.1	626.4
33.00		0.4375	43.050	60.030	13,913.0	23.69	98.40	78.9	624.3	617.3
36.00		0.4375	42.418	59.140	13,303.2	23.30	96.95	79.3	605.9	608.3
39.00		0.4375	41.786	58.250	12,711.5	22.91	95.51	79.7	587.7	599.2
40.57	Bot - Section 2	0.4375	41.455	57.784	12,408.9	22.71	94.75	79.9	578.3	310.1
42.00		0.4375	41.154	57.360	12,137.7	22.53	94.07	80.1	569.8	524.8
45.00		0.4375	40.522	56.469	11,581.3	22.14	92.62	80.6	552.1	1,089.0
45.73	Top - Section 1	0.3750	41.119	49.198	10,424.4	26.70	109.65	75.6	489.8	262.4
48.00		0.3750	40.640	48.620	10,061.7	26.36	108.37	76.0	478.3	377.8
51.00		0.3750	40.009	47.858	9,595.4	25.91	106.69	76.5	463.3	492.4
54.00		0.3750	39.377	47.095	9,143.7	25.46	105.00	77.0	448.6	484.7
55.00		0.3750	39.166	46.840	8,996.4	25.31	104.44	77.1	443.7	159.8
57.00		0.3750	38.745	46.332	8,706.5	25.00	103.32	77.4	434.1	317.0
60.00		0.3750	38.113	45.569	8,283.4	24.55	101.63	77.9	419.9	469.1
61.00		0.3750	37.902	45.314	8,145.5	24.40	101.07	78.1	415.2	154.6
63.00		0.3750	37.481	44.806	7,874.3	24.10	99.95	78.4	405.9	306.7
66.00		0.3750	36.849	44.043	7,478.8	23.65	98.26	78.9	392.1	453.5
69.00		0.3750	36.217	43.280	7,096.9	23.20	96.58	79.4	378.5	445.7
72.00		0.3750	35.586	42.517	6,728.1	22.75	94.89	79.9	365.3	437.9
75.00		0.3750	34.954	41.754	6,372.4	22.30	93.21	80.4	352.2	430.1
78.00		0.3750	34.322	40.991	6,029.4	21.84	91.53	80.9	339.4	422.3
81.00		0.3750	33.690	40.228	5,699.0	21.39	89.84	81.4	326.8	414.6
81.11	Bot - Section 3	0.3750	33.666	40.199	5,686.7	21.38	89.78	81.4	326.3	15.5
84.00		0.3750	33.058	39.465	5,380.8	20.94	88.16	81.9	314.4	724.1
85.87	Top - Section 2	0.3125	33.289	33.183	4,605.9	25.86	106.53	76.5	267.3	462.2
87.00		0.3125	33.051	32.943	4,507.0	25.66	105.76	76.7	263.4	127.1
90.00		0.3125	32.420	32.308	4,251.0	25.12	103.74	77.3	253.3	333.1
93.00		0.3125	31.788	31.672	4,004.9	24.58	101.72	77.9	243.4	326.6
96.00		0.3125	31.156	31.036	3,768.6	24.03	99.70	78.5	233.7	320.1
99.00		0.3125	30.524	30.400	3,541.7	23.49	97.68	79.1	224.2	313.6
102.0		0.3125	29.892	29.765	3,324.1	22.95	95.65	79.7	214.8	307.1
105.0		0.3125	29.260	29.129	3,115.6	22.41	93.63	80.3	205.7	300.6
108.0		0.3125	28.628	28.493	2,916.0	21.87	91.61	80.9	196.8	294.1
111.0		0.3125	27.997	27.857	2,725.1	21.33	89.59	81.5	188.0	287.6
114.0		0.3125	27.365	27.221	2,542.7	20.78	87.57	81.9	179.5	281.1
115.0		0.3125	27.154	27.009	2,483.8	20.60	86.89	81.9	176.7	92.3
117.0		0.3125	26.733	26.586	2,368.7	20.24	85.55	81.9	171.2	182.4
120.0		0.3125	26.101	25.950	2,202.8	19.70	83.52	81.9	163.0	268.1
122.2	Bot - Section 4	0.3125	25.633	25.479	2,085.1	19.30	82.03	81.9	157.1	194.3
123.0		0.3125	25.469	25.314	2,044.8	19.16	81.50	81.9	155.1	108.6
126.0		0.3125	24.837	24.678	1,894.6	18.62	79.48	81.9	147.4	411.3
126.4	Top - Section 3	0.1875	25.127	15.057	1,195.4	33.23	134.01	68.5	91.9	54.5
129.0		0.1875	24.580	14.727	1,118.5	32.45	131.10	69.3	87.9	131.6
130.0		0.1875	24.370	14.600	1,089.8	32.15	129.97	69.7	86.4	49.9
132.0		0.1875	23.949	14.346	1,033.8	31.54	127.73	70.3	83.4	98.5
135.0		0.1875	23.317	13.964	953.5	30.64	124.36	71.3	79.0	144.5
138.0		0.1875	22.685	13.583	877.5	29.74	120.99	72.3	74.7	140.6
141.0		0.1875	22.053	13.201	805.6	28.84	117.62	73.3	70.6	136.7



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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<b>Load Case:</b> 1.2D + 1.6W	100.00 mph with No Ice	29 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

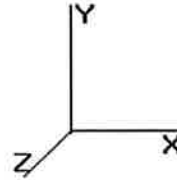
**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	17.024	18.72	360.90	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
3.00		1.00	0.70	17.024	18.72	356.34	1.000	0.000	3.00	12.859	12.86	385.3	0.0	849.9
6.00		1.00	0.70	17.024	18.72	351.78	1.000	0.000	3.00	12.696	12.70	380.4	0.0	839.0
9.00		1.00	0.70	17.024	18.72	347.22	1.000	0.000	3.00	12.532	12.53	375.5	0.0	828.0
12.00		1.00	0.70	17.024	18.72	342.66	1.000	0.000	3.00	12.369	12.37	370.6	0.0	817.1
15.00	Appertunance(s)	1.00	0.70	17.024	18.72	338.10	1.000	0.000	3.00	12.205	12.21	365.7	0.0	806.2
18.00		1.00	0.70	17.024	18.72	333.54	1.000	0.000	3.00	12.042	12.04	360.8	0.0	795.3
21.00		1.00	0.70	17.024	18.72	328.98	1.000	0.000	3.00	11.878	11.88	355.9	0.0	784.4
24.00		1.00	0.70	17.024	18.72	324.42	1.000	0.000	3.00	11.714	11.71	351.0	0.0	773.5
27.00		1.00	0.70	17.024	18.72	319.85	1.000	0.000	3.00	11.551	11.55	346.1	0.0	762.6
30.00		1.00	0.70	17.038	18.74	315.43	1.000	0.000	3.00	11.387	11.39	341.5	0.0	751.7
33.00		1.00	0.72	17.509	19.26	315.13	1.000	0.000	3.00	11.224	11.22	345.9	0.0	740.8
36.00		1.00	0.73	17.949	19.74	314.38	1.000	0.000	3.00	11.060	11.06	349.4	0.0	729.9
39.00		1.00	0.75	18.365	20.20	313.26	1.000	0.000	3.00	10.897	10.90	352.2	0.0	719.0
40.57	Bot - Section 2	1.00	0.76	18.573	20.43	312.54	1.000	0.000	1.57	5.640	5.64	184.4	0.0	372.1
42.00		1.00	0.77	18.758	20.63	311.81	1.000	0.000	1.43	5.186	5.19	171.2	0.0	629.7
45.00		1.00	0.78	19.131	21.04	310.06	1.000	0.000	3.00	10.764	10.76	362.4	0.0	1,306.8
45.73	Top - Section 1	1.00	0.79	19.219	21.14	309.60	1.000	0.000	0.73	2.594	2.59	87.7	0.0	314.9
48.00		1.00	0.80	19.487	21.43	313.85	1.000	0.000	2.27	8.006	8.01	274.6	0.0	453.4
51.00		1.00	0.81	19.828	21.81	311.66	1.000	0.000	3.00	10.437	10.44	364.2	0.0	590.9
54.00		1.00	0.82	20.154	22.17	309.25	1.000	0.000	3.00	10.273	10.27	364.4	0.0	581.6
55.00	Appertunance(s)	1.00	0.83	20.260	22.28	308.40	1.000	0.000	1.00	3.388	3.39	120.8	0.0	191.8
57.00		1.00	0.84	20.468	22.51	306.65	1.000	0.000	2.00	6.722	6.72	242.1	0.0	380.5
60.00		1.00	0.85	20.770	22.84	303.86	1.000	0.000	3.00	9.946	9.95	363.6	0.0	562.9
61.00	Appertunance(s)	1.00	0.85	20.868	22.95	302.90	1.000	0.000	1.00	3.279	3.28	120.4	0.0	185.6
63.00		1.00	0.86	21.062	23.16	300.92	1.000	0.000	2.00	6.504	6.50	241.1	0.0	368.0
66.00		1.00	0.87	21.343	23.47	297.82	1.000	0.000	3.00	9.619	9.62	361.3	0.0	544.2
69.00		1.00	0.88	21.616	23.77	294.57	1.000	0.000	3.00	9.456	9.46	359.7	0.0	534.9
72.00		1.00	0.90	21.881	24.06	291.20	1.000	0.000	3.00	9.292	9.29	357.8	0.0	525.5
75.00		1.00	0.91	22.137	24.35	287.70	1.000	0.000	3.00	9.128	9.13	355.7	0.0	516.2
78.00		1.00	0.92	22.387	24.62	284.09	1.000	0.000	3.00	8.965	8.96	353.2	0.0	506.8
81.00	Appertunance(s)	1.00	0.93	22.630	24.89	280.37	1.001	* 0.000	3.00	8.801	8.81	350.8	0.0	497.5
81.11	Bot - Section 3	1.00	0.93	22.639	24.90	280.22	1.004	* 0.000	0.11	0.329	0.33	13.1	0.0	18.6
84.00		1.00	0.94	22.866	25.15	276.54	1.007	* 0.000	2.89	8.465	8.52	342.9	0.0	869.0
85.87	Top - Section 2	1.00	0.94	23.010	25.31	274.11	1.011	* 0.000	1.87	5.404	5.47	221.3	0.0	554.6
87.00		1.00	0.95	23.096	25.40	277.87	1.008	* 0.000	1.13	3.232	3.26	132.5	0.0	152.5
90.00		1.00	0.95	23.321	25.65	273.88	1.012	* 0.000	3.00	8.473	8.58	352.1	0.0	399.7
93.00		1.00	0.96	23.541	25.89	269.81	1.019	* 0.000	3.00	8.309	8.46	350.7	0.0	391.9
96.00		1.00	0.97	23.755	26.13	265.65	1.025	* 0.000	3.00	8.145	8.35	349.1	0.0	384.1
99.00		1.00	0.98	23.965	26.36	261.41	1.032	* 0.000	3.00	7.982	8.23	347.3	0.0	376.3
102.0		1.00	0.99	24.170	26.58	257.09	1.039	* 0.000	3.00	7.818	8.12	345.4	0.0	368.5
105.0	Appertunance(s)	1.00	1.00	24.371	26.80	252.70	1.046	* 0.000	3.00	7.655	8.01	343.4	0.0	360.7
108.0		1.00	1.01	24.568	27.02	248.24	1.053	* 0.000	3.00	7.491	7.89	341.2	0.0	352.9
111.0		1.00	1.01	24.761	27.23	243.71	1.061	* 0.000	3.00	7.328	7.78	338.9	0.0	345.1
114.0		1.00	1.02	24.951	27.44	239.12	1.070	* 0.000	3.00	7.164	7.66	336.5	0.0	337.4
115.0	Appertunance(s)	1.00	1.02	25.013	27.51	237.58	1.075	* 0.000	1.00	2.352	2.53	111.3	0.0	110.7
117.0		1.00	1.03	25.136	27.65	234.47	1.080	* 0.000	2.00	4.649	5.02	222.1	0.0	218.8
120.0		1.00	1.04	25.319	27.85	229.76	1.087	* 0.000	3.00	6.837	7.43	331.2	0.0	321.8
122.2	Bot - Section 4	1.00	1.04	25.452	27.99	226.23	1.200	* 0.000	2.22	4.954	5.95	266.3	0.0	233.1
123.0		1.00	1.04	25.498	28.04	224.99	1.200	* 0.000	0.78	1.745	2.09	93.9	0.0	130.4
126.0		1.00	1.05	25.674	28.24	220.16	1.200	* 0.000	3.00	6.607	7.93	358.3	0.0	493.6

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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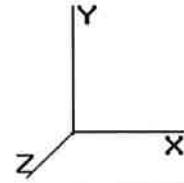
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<b>Load Case:</b> 1.2D + 1.6W	100.00 mph with No Ice	29 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

126.4	Top - Section 3	1.00	1.05	25.698	28.26	219.51	1.200	* 0.000	0.40	0.875	1.05	47.5	0.0	65.4
129.0		1.00	1.06	25.848	28.43	218.62	1.200	* 0.000	2.60	5.568	6.68	304.0	0.0	157.9
130.0	Appertunance(s)	1.00	1.06	25.905	28.49	216.98	1.200	* 0.000	1.00	2.112	2.53	115.5	0.0	59.9
132.0		1.00	1.07	26.018	28.62	213.70	1.200	* 0.000	2.00	4.169	5.00	229.1	0.0	118.2
135.0		1.00	1.07	26.185	28.80	208.73	1.200	* 0.000	3.00	6.117	7.34	338.3	0.0	173.4
138.0		1.00	1.08	26.350	28.98	203.71	1.200	* 0.000	3.00	5.953	7.14	331.3	0.0	168.7
141.0		1.00	1.09	26.513	29.16	198.65	1.200	* 0.000	3.00	5.790	6.95	324.2	0.0	164.1
142.0	Appertunance(s)	1.00	1.09	26.566	29.22	196.95	1.200	* 0.000	1.00	1.894	2.27	106.2	0.0	53.6
144.0		1.00	1.09	26.673	29.34	193.54	1.176	* 0.000	2.00	3.732	4.39	206.0	0.0	105.7
146.0	Top - Section 4	1.00	1.10	26.778	29.45	190.10	1.185	* 0.000	2.00	3.660	4.34	204.4	0.0	103.7
147.0		1.00	1.10	26.830	29.51	144.98	1.200	* 0.000	1.00	1.380	1.66	78.2	0.0	101.9
149.0	Appertunance(s)	1.00	1.10	26.934	29.62	145.26	1.200	* 0.000	2.00	2.761	3.31	157.0	0.0	203.8
150.0	Appertunance(s)	1.00	1.11	26.986	29.68	145.40	1.000	0.000	1.00	1.380	1.38	65.6	0.0	101.9
153.0		1.00	1.11	27.139	29.85	145.81	1.000	0.000	3.00	4.141	4.14	197.8	0.0	305.7
155.0	Appertunance(s)	1.00	1.12	27.240	29.96	146.08	1.000	0.000	2.00	2.761	2.76	132.4	0.0	203.8
* = Cf Adjusted By Linear Load Ra Effect									Totals:	155.00		17,750.8	0.0	27,768.1

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

Code: ANSI/TIA-222 Rev G  
 Struct Class : II  
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**Load Case:** 1.2D + 1.6W      100.00 mph with No Ice      29 Iterations  
**Gust Response Factor :** 1.10      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 1.20  
**Wind Load Factor :** 1.60

**Discrete Appurtenance Segment Forces (Factored)**

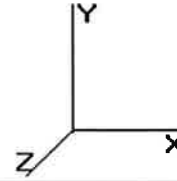
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
15.00	4' Std. Dish	1	17.024	18.726	1.00	1.00	20.91	0.000	2.000	626.51	0.00	1,253.02	225.60
55.00	Stand Off	1	20.260	22.286	1.00	1.00	2.50	0.000	0.000	89.14	0.00	0.00	90.00
55.00	2" x 4" GPS	1	20.365	22.401	1.00	1.00	0.04	0.000	1.000	1.43	0.00	1.43	6.00
61.00	Stand Off	2	20.868	22.955	1.00	1.00	5.00	0.000	0.000	183.64	0.00	0.00	180.00
61.00	GPS	2	21.435	23.579	1.00	1.00	2.00	0.000	6.000	75.45	0.00	452.71	24.00
81.00	Stand Off	1	22.630	24.892	1.00	1.00	2.50	0.000	0.000	99.57	0.00	0.00	90.00
81.00	GPS	1	22.630	24.892	1.00	1.00	1.00	0.000	0.000	39.83	0.00	0.00	12.00
105.0	RFS APXV18-206517S-	3	24.371	26.808	0.80	1.00	12.41	0.000	0.000	532.22	0.00	0.00	79.20
115.0	Flat Platform w/ Han	1	25.013	27.514	1.00	1.00	42.40	0.000	0.000	1,866.56	0.00	0.00	2,400.00
115.0	48" x 12" Panel	9	25.013	27.514	0.67	0.75	22.93	0.000	0.000	1,009.40	0.00	0.00	324.00
115.0	72" x 12" Panel	3	25.013	27.514	0.67	0.75	12.26	0.000	0.000	539.54	0.00	0.00	144.00
130.0	Decibel 980H65T2E-M	5	26.074	28.681	0.79	0.75	11.26	0.000	3.000	516.61	0.00	1,549.83	51.00
130.0	Decibel DB980H90A-	4	26.074	28.681	0.79	0.75	9.01	0.000	3.000	413.29	0.00	1,239.86	40.80
130.0	Flat Platform w/ Han	1	25.905	28.495	1.00	1.00	42.40	0.000	0.000	1,933.10	0.00	0.00	2,400.00
142.0	Swedcom ALP 9212-N	6	26.566	29.223	0.67	0.75	13.63	0.000	0.000	637.19	0.00	0.00	192.24
142.0	Andrew LNX-6513DS-	3	26.566	29.223	0.83	0.75	10.92	0.000	0.000	510.81	0.00	0.00	109.44
142.0	Andrew HBXX-	6	26.566	29.223	0.80	0.75	19.51	0.000	0.000	912.32	0.00	0.00	220.32
142.0	RFS DB-T1-6Z-8AB-0Z	1	26.566	29.223	0.67	0.75	2.41	0.000	0.000	112.78	0.00	0.00	52.80
142.0	Flat Platform w/ Han	1	26.566	29.223	1.00	1.00	42.40	0.000	0.000	1,982.49	0.00	0.00	2,400.00
142.0	Alcatel-Lucent RRH2X	3	26.566	29.223	0.50	0.75	2.12	0.000	0.000	98.89	0.00	0.00	142.56
149.0	Andrew ABT-DMDF-	1	26.934	29.628	0.50	0.75	0.02	0.000	0.000	0.89	0.00	0.00	1.32
149.0	Kathrein 782-10250	6	26.934	29.628	0.50	0.75	1.17	0.000	0.000	55.46	0.00	0.00	46.08
149.0	CCI	6	26.934	29.628	0.50	0.75	2.18	0.000	0.000	103.46	0.00	0.00	138.24
149.0	Ericsson RRUS 11 (Ba	6	26.934	29.628	0.67	0.75	7.75	0.000	0.000	367.31	0.00	0.00	360.00
149.0	KMW AM-X-CD-16-65-	6	26.934	29.628	0.79	0.75	28.51	0.000	0.000	1,351.55	0.00	0.00	349.20
149.0	Powerwave 7020.00	3	26.934	29.628	0.50	0.75	0.45	0.000	0.000	21.33	0.00	0.00	7.92
149.0	Flat Platform w/ Han	1	26.934	29.628	1.00	1.00	42.40	0.000	0.000	2,009.93	0.00	0.00	2,400.00
149.0	Powerwave 7770.00	3	26.934	29.628	0.77	0.75	9.55	0.000	0.000	452.52	0.00	0.00	126.00
150.0	7' Omni	1	27.290	30.019	1.00	1.00	2.10	0.000	6.000	100.86	0.00	605.18	18.00
155.0	EMS RR90-17-02DP	3	27.240	29.964	0.01	1.00	0.13	0.000	0.000	6.27	0.00	0.00	64.80
155.0	Ericsson KRY 112 71/	6	27.240	29.964	0.01	1.00	0.04	0.000	0.000	2.10	0.00	0.00	95.04
155.0	Canister	1	27.488	30.237	1.00	1.00	9.80	0.000	5.000	474.11	0.00	2,370.56	600.00
										17,126.59			13,390.56

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
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 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
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**Load Case:** 1.2D + 1.6W

100.00 mph with No Ice

29 Iterations

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

Wind Importance Factor : 1.00

**Linear Appurtenance Segment Forces (Factored)**

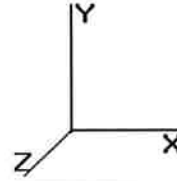
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
3.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.069	0.000	0.00	6.80
3.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.069	0.000	0.00	8.85
3.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	4.68
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	0.54
3.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	1.08
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	0.54
3.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	0.11
6.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.070	0.000	0.00	6.80
6.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.070	0.000	0.00	8.85
6.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	4.68
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.54
6.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	1.08
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.54
6.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.11
9.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.070	0.000	0.00	6.80
9.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.070	0.000	0.00	8.85
9.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	4.68
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.54
9.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	1.08
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.54
9.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.11
12.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.071	0.000	0.00	6.80
12.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.071	0.000	0.00	8.85
12.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	4.68
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	0.54
12.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	1.08
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	0.54
12.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	0.11
15.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.072	0.000	0.00	6.80
15.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.072	0.000	0.00	8.85
15.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	4.68
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	0.54
15.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	1.08
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	0.54
15.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	0.11
18.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.073	0.000	0.00	6.80
18.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.073	0.000	0.00	8.85
18.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.073	0.000	0.00	4.68
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.073	0.000	0.00	0.54
18.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.073	0.000	0.00	1.08
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.073	0.000	0.00	0.54
21.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.074	0.000	0.00	6.80
21.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.074	0.000	0.00	8.85
21.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.074	0.000	0.00	4.68
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.074	0.000	0.00	0.54
21.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.074	0.000	0.00	1.08
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.074	0.000	0.00	0.54
24.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.075	0.000	0.00	6.80
24.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.075	0.000	0.00	8.85
24.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.075	0.000	0.00	4.68
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.075	0.000	0.00	0.54

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

100.00 mph with No Ice

29 Iterations

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

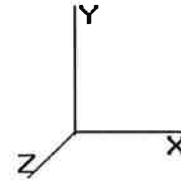
Wind Importance Factor : 1.00

24.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.075	0.000	0.00	1.08
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.075	0.000	0.00	0.54
27.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.076	0.000	0.00	6.80
27.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.076	0.000	0.00	8.85
27.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.076	0.000	0.00	4.68
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.076	0.000	0.00	0.54
27.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.076	0.000	0.00	1.08
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.076	0.000	0.00	0.54
30.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.038	0.077	0.000	0.00	6.80
30.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.038	0.077	0.000	0.00	8.85
30.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.038	0.077	0.000	0.00	4.68
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.038	0.077	0.000	0.00	0.54
30.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.038	0.077	0.000	0.00	1.08
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.038	0.077	0.000	0.00	0.54
33.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.509	0.079	0.000	0.00	6.80
33.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.509	0.079	0.000	0.00	8.85
33.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.509	0.079	0.000	0.00	4.68
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.509	0.079	0.000	0.00	0.54
33.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.509	0.079	0.000	0.00	1.08
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.509	0.079	0.000	0.00	0.54
36.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.949	0.080	0.000	0.00	6.80
36.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.949	0.080	0.000	0.00	8.85
36.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.949	0.080	0.000	0.00	4.68
36.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.949	0.080	0.000	0.00	0.54
36.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.949	0.080	0.000	0.00	1.08
36.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.949	0.080	0.000	0.00	0.54
39.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	18.365	0.081	0.000	0.00	6.80
39.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	18.365	0.081	0.000	0.00	8.85
39.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	18.365	0.081	0.000	0.00	4.68
39.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	18.365	0.081	0.000	0.00	0.54
39.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	18.365	0.081	0.000	0.00	1.08
39.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	18.365	0.081	0.000	0.00	0.54
40.57	(3) 1 1/4" Coax	Yes	1.57	0.000	1.55	0.20	0.00	18.573	0.082	0.000	0.00	3.56
40.57	(3) 1 5/8" Coax	Yes	1.57	0.000	1.98	0.26	0.00	18.573	0.082	0.000	0.00	4.64
40.57	(1) 1 5/8" Hybriflex	Yes	1.57	0.000	0.00	0.00	0.00	18.573	0.082	0.000	0.00	2.45
40.57	(1) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	18.573	0.082	0.000	0.00	0.28
40.57	(2) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	18.573	0.082	0.000	0.00	0.57
40.57	(1) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	18.573	0.082	0.000	0.00	0.28
42.00	(3) 1 1/4" Coax	Yes	1.43	0.000	1.55	0.18	0.00	18.758	0.083	0.000	0.00	3.24
42.00	(3) 1 5/8" Coax	Yes	1.43	0.000	1.98	0.24	0.00	18.758	0.083	0.000	0.00	4.22
42.00	(1) 1 5/8" Hybriflex	Yes	1.43	0.000	0.00	0.00	0.00	18.758	0.083	0.000	0.00	2.23
42.00	(1) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	18.758	0.083	0.000	0.00	0.26
42.00	(2) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	18.758	0.083	0.000	0.00	0.51
42.00	(1) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	18.758	0.083	0.000	0.00	0.26
45.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	19.131	0.083	0.000	0.00	6.80
45.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	19.131	0.083	0.000	0.00	8.85
45.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	19.131	0.083	0.000	0.00	4.68
45.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.131	0.083	0.000	0.00	0.54
45.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.131	0.083	0.000	0.00	1.08
45.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.131	0.083	0.000	0.00	0.54
45.73	(3) 1 1/4" Coax	Yes	0.73	0.000	1.55	0.09	0.00	19.219	0.084	0.000	0.00	1.66
45.73	(3) 1 5/8" Coax	Yes	0.73	0.000	1.98	0.12	0.00	19.219	0.084	0.000	0.00	2.15
45.73	(1) 1 5/8" Hybriflex	Yes	0.73	0.000	0.00	0.00	0.00	19.219	0.084	0.000	0.00	1.14
45.73	(1) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	19.219	0.084	0.000	0.00	0.13
45.73	(2) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	19.219	0.084	0.000	0.00	0.26
45.73	(1) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	19.219	0.084	0.000	0.00	0.13
48.00	(3) 1 1/4" Coax	Yes	2.27	0.000	1.55	0.29	0.00	19.487	0.083	0.000	0.00	5.15

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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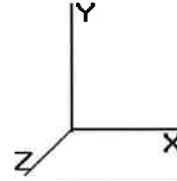
<b>Load Case:</b> 1.2D + 1.6W	100.00 mph with No Ice	29 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

48.00	(3) 1 5/8" Coax	Yes	2.27	0.000	1.98	0.37	0.00	19.487	0.083	0.000	0.00	6.70
48.00	(1) 1 5/8" Hybriflex	Yes	2.27	0.000	0.00	0.00	0.00	19.487	0.083	0.000	0.00	3.54
48.00	(1) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	19.487	0.083	0.000	0.00	0.41
48.00	(2) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	19.487	0.083	0.000	0.00	0.82
48.00	(1) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	19.487	0.083	0.000	0.00	0.41
51.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	19.828	0.085	0.000	0.00	6.80
51.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	19.828	0.085	0.000	0.00	8.85
51.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	19.828	0.085	0.000	0.00	4.68
51.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.828	0.085	0.000	0.00	0.54
51.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.828	0.085	0.000	0.00	1.08
51.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.828	0.085	0.000	0.00	0.54
54.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	20.154	0.086	0.000	0.00	6.80
54.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	20.154	0.086	0.000	0.00	8.85
54.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	20.154	0.086	0.000	0.00	4.68
54.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.154	0.086	0.000	0.00	0.54
54.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.154	0.086	0.000	0.00	1.08
54.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.154	0.086	0.000	0.00	0.54
55.00	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	20.260	0.087	0.000	0.00	2.27
55.00	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	20.260	0.087	0.000	0.00	2.95
55.00	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.260	0.087	0.000	0.00	1.56
55.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.260	0.087	0.000	0.00	0.18
55.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.260	0.087	0.000	0.00	0.36
55.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.260	0.087	0.000	0.00	0.18
57.00	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	20.468	0.088	0.000	0.00	4.54
57.00	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.468	0.088	0.000	0.00	5.90
57.00	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	20.468	0.088	0.000	0.00	3.12
57.00	(1) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	20.468	0.088	0.000	0.00	0.36
57.00	(2) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	20.468	0.088	0.000	0.00	0.72
60.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	20.770	0.089	0.000	0.00	6.80
60.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	20.770	0.089	0.000	0.00	8.85
60.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	20.770	0.089	0.000	0.00	4.68
60.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.770	0.089	0.000	0.00	0.54
60.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.770	0.089	0.000	0.00	1.08
61.00	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	20.868	0.090	0.000	0.00	2.27
61.00	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	20.868	0.090	0.000	0.00	2.95
61.00	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.868	0.090	0.000	0.00	1.56
61.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.868	0.090	0.000	0.00	0.18
61.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.868	0.090	0.000	0.00	0.36
63.00	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	21.062	0.090	0.000	0.00	4.54
63.00	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.062	0.090	0.000	0.00	5.90
63.00	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	21.062	0.090	0.000	0.00	3.12
63.00	(1) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	21.062	0.090	0.000	0.00	0.36
66.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	21.343	0.092	0.000	0.00	6.80
66.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.343	0.092	0.000	0.00	8.85
66.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	21.343	0.092	0.000	0.00	4.68
66.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	21.343	0.092	0.000	0.00	0.54
69.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	21.616	0.093	0.000	0.00	6.80
69.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.616	0.093	0.000	0.00	8.85
69.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	21.616	0.093	0.000	0.00	4.68
69.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	21.616	0.093	0.000	0.00	0.54
72.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	21.881	0.095	0.000	0.00	6.80
72.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.881	0.095	0.000	0.00	8.85
72.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	21.881	0.095	0.000	0.00	4.68
72.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	21.881	0.095	0.000	0.00	0.54
75.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	22.137	0.097	0.000	0.00	6.80
75.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.137	0.097	0.000	0.00	8.85
75.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	22.137	0.097	0.000	0.00	4.68



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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**Load Case:** 1.2D + 1.6W      100.00 mph with No Ice      29 Iterations

**Gust Response Factor:** 1.10      **Wind Importance Factor:** 1.00

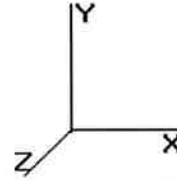
**Dead Load Factor:** 1.20

**Wind Load Factor:** 1.60

75.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.137	0.097	0.000	0.00	0.54
78.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	22.387	0.098	0.000	0.00	6.80
78.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.387	0.098	0.000	0.00	8.85
78.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	22.387	0.098	0.000	0.00	4.68
78.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.387	0.098	0.000	0.00	0.54
81.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	22.630	0.100	1.001	0.00	6.80
81.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.630	0.100	1.001	0.00	8.85
81.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	22.630	0.100	1.001	0.00	4.68
81.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.630	0.100	1.001	0.00	0.54
81.11	(3) 1 1/4" Coax	Yes	0.11	0.000	1.55	0.01	0.00	22.639	0.101	1.004	0.00	0.26
81.11	(3) 1 5/8" Coax	Yes	0.11	0.000	1.98	0.02	0.00	22.639	0.101	1.004	0.00	0.33
81.11	(1) 1 5/8" Hybriflex	Yes	0.11	0.000	0.00	0.00	0.00	22.639	0.101	1.004	0.00	0.18
84.00	(3) 1 1/4" Coax	Yes	2.89	0.000	1.55	0.37	0.00	22.866	0.102	1.007	0.00	6.55
84.00	(3) 1 5/8" Coax	Yes	2.89	0.000	1.98	0.48	0.00	22.866	0.102	1.007	0.00	8.52
84.00	(1) 1 5/8" Hybriflex	Yes	2.89	0.000	0.00	0.00	0.00	22.866	0.102	1.007	0.00	4.50
85.87	(3) 1 1/4" Coax	Yes	1.87	0.000	1.55	0.24	0.00	23.010	0.104	1.011	0.00	4.24
85.87	(3) 1 5/8" Coax	Yes	1.87	0.000	1.98	0.31	0.00	23.010	0.104	1.011	0.00	5.52
85.87	(1) 1 5/8" Hybriflex	Yes	1.87	0.000	0.00	0.00	0.00	23.010	0.104	1.011	0.00	2.92
87.00	(3) 1 1/4" Coax	Yes	1.13	0.000	1.55	0.15	0.00	23.096	0.103	1.008	0.00	2.56
87.00	(3) 1 5/8" Coax	Yes	1.13	0.000	1.98	0.19	0.00	23.096	0.103	1.008	0.00	3.33
87.00	(1) 1 5/8" Hybriflex	Yes	1.13	0.000	0.00	0.00	0.00	23.096	0.103	1.008	0.00	1.76
90.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	23.321	0.104	1.012	0.00	6.80
90.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.321	0.104	1.012	0.00	8.85
90.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	23.321	0.104	1.012	0.00	4.68
93.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	23.541	0.106	1.019	0.00	6.80
93.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.541	0.106	1.019	0.00	8.85
93.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	23.541	0.106	1.019	0.00	4.68
96.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	23.755	0.108	1.025	0.00	6.80
96.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.755	0.108	1.025	0.00	8.85
96.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	23.755	0.108	1.025	0.00	4.68
99.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	23.965	0.111	1.032	0.00	6.80
99.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.965	0.111	1.032	0.00	8.85
99.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	23.965	0.111	1.032	0.00	4.68
102.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.170	0.113	1.039	0.00	6.80
102.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.170	0.113	1.039	0.00	8.85
102.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.170	0.113	1.039	0.00	4.68
105.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.371	0.115	1.046	0.00	6.80
105.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.371	0.115	1.046	0.00	8.85
105.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.371	0.115	1.046	0.00	4.68
108.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.568	0.118	1.053	0.00	6.80
108.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.568	0.118	1.053	0.00	8.85
108.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.568	0.118	1.053	0.00	4.68
111.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.761	0.120	1.061	0.00	6.80
111.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.761	0.120	1.061	0.00	8.85
111.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.761	0.120	1.061	0.00	4.68
114.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.951	0.123	1.070	0.00	6.80
114.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.951	0.123	1.070	0.00	8.85
114.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.951	0.123	1.070	0.00	4.68
115.0	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	25.013	0.125	1.075	0.00	2.27
115.0	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	25.013	0.125	1.075	0.00	2.95
115.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.013	0.125	1.075	0.00	1.56
117.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	25.136	0.127	1.080	0.00	4.54
117.0	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	25.136	0.127	1.080	0.00	5.90
117.0	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	25.136	0.127	1.080	0.00	3.12
120.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	25.319	0.129	1.087	0.00	6.80
120.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	25.319	0.129	1.087	0.00	8.85
120.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	25.319	0.129	1.087	0.00	4.68

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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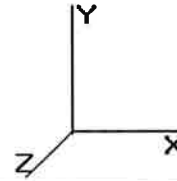
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<b>Load Case: 1.2D + 1.6W</b>	<b>100.00 mph with No Ice</b>	<b>29 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

122.2	(3) 1 1/4" Coax	Yes	2.22	1.200	1.55	0.29	0.34	25.452	0.206	0.000	15.41	5.03
122.2	(1) Climbing Ladder	Yes	2.22	2.000	2.00	0.37	0.74	25.452	0.206	0.000	33.15	18.38
122.2	(3) 1 5/8" Coax	Yes	2.22	1.200	1.98	0.37	0.44	25.452	0.206	0.000	19.69	6.55
122.2	(1) 1 5/8" Hybriflex	Yes	2.22	0.000	0.00	0.00	0.00	25.452	0.206	0.000	0.00	3.46
123.0	(3) 1 1/4" Coax	Yes	0.78	1.200	1.55	0.10	0.12	25.498	0.209	0.000	5.43	1.77
123.0	(1) Climbing Ladder	Yes	0.78	2.000	2.00	0.13	0.26	25.498	0.209	0.000	11.67	6.46
123.0	(3) 1 5/8" Coax	Yes	0.78	1.200	1.98	0.13	0.15	25.498	0.209	0.000	6.93	2.30
123.0	(1) 1 5/8" Hybriflex	Yes	0.78	0.000	0.00	0.00	0.00	25.498	0.209	0.000	0.00	1.22
126.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	25.674	0.212	0.000	21.01	6.80
126.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	25.674	0.212	0.000	45.19	24.84
126.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	25.674	0.212	0.000	26.84	8.85
126.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	25.674	0.212	0.000	0.00	4.68
126.4	(3) 1 1/4" Coax	Yes	0.40	1.200	1.55	0.05	0.06	25.698	0.215	0.000	2.83	0.91
126.4	(1) Climbing Ladder	Yes	0.40	2.000	2.00	0.07	0.13	25.698	0.215	0.000	6.08	3.34
126.4	(3) 1 5/8" Coax	Yes	0.40	1.200	1.98	0.07	0.08	25.698	0.215	0.000	3.61	1.19
126.4	(1) 1 5/8" Hybriflex	Yes	0.40	0.000	0.00	0.00	0.00	25.698	0.215	0.000	0.00	0.63
129.0	(3) 1 1/4" Coax	Yes	2.60	1.200	1.55	0.34	0.40	25.848	0.215	0.000	18.31	5.89
129.0	(1) Climbing Ladder	Yes	2.60	2.000	2.00	0.43	0.87	25.848	0.215	0.000	39.38	21.50
129.0	(3) 1 5/8" Coax	Yes	2.60	1.200	1.98	0.43	0.51	25.848	0.215	0.000	23.39	7.67
129.0	(1) 1 5/8" Hybriflex	Yes	2.60	0.000	0.00	0.00	0.00	25.848	0.215	0.000	0.00	4.05
130.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.16	25.905	0.218	0.000	7.07	2.27
130.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	25.905	0.218	0.000	15.20	8.28
130.0	(3) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.905	0.218	0.000	9.03	2.95
130.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.905	0.218	0.000	0.00	1.56
132.0	(3) 1 1/4" Coax	Yes	2.00	1.200	1.55	0.26	0.31	26.018	0.221	0.000	14.20	4.54
132.0	(1) Climbing Ladder	Yes	2.00	2.000	2.00	0.33	0.67	26.018	0.221	0.000	30.53	16.56
132.0	(3) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	26.018	0.221	0.000	18.13	5.90
132.0	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	26.018	0.221	0.000	0.00	3.12
135.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	26.185	0.226	0.000	21.43	6.80
135.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	26.185	0.226	0.000	46.09	24.84
135.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	26.185	0.226	0.000	27.38	8.85
135.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	26.185	0.226	0.000	0.00	4.68
138.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	26.350	0.232	0.000	21.57	6.80
138.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	26.350	0.232	0.000	46.38	24.84
138.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	26.350	0.232	0.000	27.55	8.85
138.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	26.350	0.232	0.000	0.00	4.68
141.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	26.513	0.239	0.000	21.70	6.80
141.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	26.513	0.239	0.000	46.66	24.84
141.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	26.513	0.239	0.000	27.72	8.85
141.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	26.513	0.239	0.000	0.00	4.68
142.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.16	26.566	0.243	0.000	7.25	2.27
142.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	26.566	0.243	0.000	15.59	8.28
142.0	(3) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.566	0.243	0.000	9.26	2.95
142.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.566	0.243	0.000	0.00	1.56
144.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	26.673	0.159	1.176	0.00	4.54
144.0	(1) Climbing Ladder	Yes	2.00	0.000	2.00	0.33	0.00	26.673	0.159	1.176	0.00	16.56
146.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	26.778	0.162	1.185	0.00	4.54
146.0	(1) Climbing Ladder	Yes	2.00	0.000	2.00	0.33	0.00	26.778	0.162	1.185	0.00	16.56
147.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.15	26.830	0.214	0.000	7.32	2.27
147.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	26.830	0.214	0.000	15.74	8.28
149.0	(3) 1 1/4" Coax	Yes	2.00	1.200	1.55	0.26	0.31	26.934	0.214	0.000	14.70	4.54
149.0	(1) Climbing Ladder	Yes	2.00	2.000	2.00	0.33	0.67	26.934	0.214	0.000	31.60	16.56
<b>Totals:</b>											<b>760.97</b>	<b>1,265.63</b>

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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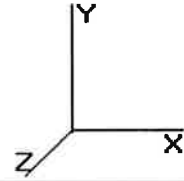
**Load Case:** 1.2D + 1.6W      100.00 mph with No Ice      29 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
3.00	385.29	1,059.76	0.00	0.00
6.00	380.39	1,048.86	0.00	0.00
9.00	375.49	1,037.96	0.00	0.00
12.00	370.59	1,027.05	0.00	0.00
15.00	992.20	1,241.75	0.00	1,253.02
18.00	360.79	1,005.14	0.00	0.00
21.00	355.89	994.23	0.00	0.00
24.00	350.99	983.33	0.00	0.00
27.00	346.09	972.42	0.00	0.00
30.00	341.48	961.52	0.00	0.00
33.00	345.87	950.62	0.00	0.00
36.00	349.41	939.71	0.00	0.00
39.00	352.20	928.81	0.00	0.00
40.57	184.37	481.96	0.00	0.00
42.00	171.19	729.67	0.00	0.00
45.00	362.43	1,516.62	0.00	0.00
45.73	87.75	365.93	0.00	0.00
48.00	274.59	612.12	0.00	0.00
51.00	364.21	800.73	0.00	0.00
54.00	364.40	791.38	0.00	0.00
55.00	211.39	357.72	0.00	1.43
57.00	242.14	519.96	0.00	0.00
60.00	363.58	772.15	0.00	0.00
61.00	379.53	459.31	0.00	452.71
63.00	241.08	506.78	0.00	0.00
66.00	361.33	752.37	0.00	0.00
69.00	359.73	743.03	0.00	0.00
72.00	357.83	733.68	0.00	0.00
75.00	355.66	724.34	0.00	0.00
78.00	353.23	714.99	0.00	0.00
81.00	490.22	807.64	0.00	0.00
81.11	13.15	26.41	0.00	0.00
84.00	342.91	1,068.79	0.00	0.00
85.87	221.33	684.09	0.00	0.00
87.00	132.48	230.64	0.00	0.00
90.00	352.10	607.30	0.00	0.00
93.00	350.67	599.51	0.00	0.00
96.00	349.08	591.72	0.00	0.00
99.00	347.33	583.94	0.00	0.00
102.0	345.44	576.15	0.00	0.00
105.0	875.62	647.56	0.00	0.00
108.0	341.23	542.86	0.00	0.00
111.0	338.92	535.07	0.00	0.00
114.0	336.48	527.28	0.00	0.00
115.0	3,526.82	3,042.03	0.00	0.00
117.0	222.05	321.85	0.00	0.00
120.0	331.25	476.28	0.00	0.00
122.2	334.58	365.83	0.00	0.00
123.0	117.97	177.00	0.00	0.00

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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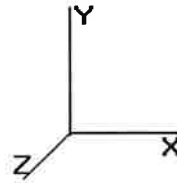
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**Load Case:** 1.2D + 1.6W                      100.00 mph with No Ice                      29 Iterations  
**Gust Response Factor :** 1.10                      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 1.20  
**Wind Load Factor :** 1.60

126.0	451.31	672.96	0.00	0.00
126.4	60.01	89.46	0.00	0.00
129.0	385.07	313.17	0.00	0.00
130.0	3,009.82	2,611.46	0.00	2,789.69
132.0	291.92	220.05	0.00	0.00
135.0	433.16	326.18	0.00	0.00
138.0	426.79	321.51	0.00	0.00
141.0	420.26	316.83	0.00	0.00
142.0	4,392.82	3,221.93	0.00	0.00
144.0	205.98	174.95	0.00	0.00
146.0	204.40	172.88	0.00	0.00
147.0	101.27	136.50	0.00	0.00
149.0	4,565.80	3,701.77	0.00	0.00
150.0	166.42	126.56	0.00	605.18
153.0	197.80	323.41	0.00	0.00
155.0	614.84	975.45	0.00	2,370.56
<b>Totals:</b>	<b>35,638.38</b>	<b>50,850.87</b>	<b>0.00</b>	<b>7,472.60</b>

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
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Code: ANSI/TIA-222 Rev G  
 Struct Class : II  
 Exposure Category : B  
 Topographic Category : 1  
 Base Elev : 0.000 (ft)



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<b>Load Case:</b> 1.2D + 1.6W	100.00 mph with No Ice	29 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

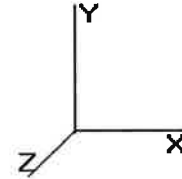
**Calculated Forces**

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-50.80	-35.71	0.00	-3,877.73	0.00	3,877.73	4,665.07	2,332.54	9,536.02	4,709.48	0.00	0.00	0.835
3.00	-49.65	-35.45	0.00	-3,770.62	0.00	3,770.62	4,631.78	2,315.89	9,346.21	4,615.74	0.05	-0.15	0.828
6.00	-48.51	-35.19	0.00	-3,664.27	0.00	3,664.27	4,597.82	2,298.91	9,156.81	4,522.21	0.19	-0.30	0.821
9.00	-47.38	-34.94	0.00	-3,558.70	0.00	3,558.70	4,563.18	2,281.59	8,967.87	4,428.89	0.43	-0.45	0.814
12.00	-46.27	-34.68	0.00	-3,453.89	0.00	3,453.89	4,527.86	2,263.93	8,779.43	4,335.83	0.76	-0.61	0.807
15.00	-44.94	-33.80	0.00	-3,348.59	0.00	3,348.59	4,491.86	2,245.93	8,591.56	4,243.05	1.19	-0.76	0.799
18.00	-43.85	-33.54	0.00	-3,247.20	0.00	3,247.20	4,455.19	2,227.60	8,404.31	4,150.57	1.72	-0.92	0.792
21.00	-42.77	-33.29	0.00	-3,146.57	0.00	3,146.57	4,417.85	2,208.92	8,217.72	4,058.43	2.35	-1.08	0.785
24.00	-41.70	-33.03	0.00	-3,046.71	0.00	3,046.71	4,379.82	2,189.91	8,031.86	3,966.64	3.08	-1.24	0.778
27.00	-40.65	-32.78	0.00	-2,947.61	0.00	2,947.61	4,341.13	2,170.56	7,846.78	3,875.23	3.91	-1.40	0.770
30.00	-39.60	-32.53	0.00	-2,849.27	0.00	2,849.27	4,301.75	2,150.88	7,662.53	3,784.23	4.84	-1.56	0.762
33.00	-38.57	-32.27	0.00	-2,751.68	0.00	2,751.68	4,261.70	2,130.85	7,479.16	3,693.68	5.87	-1.72	0.754
36.00	-37.55	-32.00	0.00	-2,654.89	0.00	2,654.89	4,220.97	2,110.49	7,296.73	3,603.58	7.01	-1.89	0.746
39.00	-36.56	-31.69	0.00	-2,558.90	0.00	2,558.90	4,179.57	2,089.78	7,115.28	3,513.97	8.25	-2.06	0.737
40.57	-36.04	-31.55	0.00	-2,509.11	0.00	2,509.11	4,157.62	2,078.81	7,020.70	3,467.26	8.94	-2.15	0.733
42.00	-35.25	-31.43	0.00	-2,464.03	0.00	2,464.03	4,137.49	2,068.74	6,934.89	3,424.88	9.59	-2.23	0.728
45.00	-33.69	-31.06	0.00	-2,369.75	0.00	2,369.75	4,094.73	2,047.37	6,755.59	3,336.33	11.05	-2.40	0.719
45.73	-33.28	-31.01	0.00	-2,347.08	0.00	2,347.08	3,347.12	1,673.56	5,622.43	2,776.71	11.42	-2.44	0.856
48.00	-32.59	-30.80	0.00	-2,276.68	0.00	2,276.68	3,324.15	1,662.07	5,517.72	2,724.99	12.61	-2.57	0.846
51.00	-31.71	-30.51	0.00	-2,184.28	0.00	2,184.28	3,293.20	1,646.60	5,379.77	2,656.86	14.29	-2.76	0.832
54.00	-30.87	-30.17	0.00	-2,092.76	0.00	2,092.76	3,261.56	1,630.78	5,242.36	2,589.00	16.08	-2.95	0.818
55.00	-30.48	-29.99	0.00	-2,062.59	0.00	2,062.59	3,250.87	1,625.44	5,196.68	2,566.45	16.71	-3.01	0.813
57.00	-29.89	-29.81	0.00	-2,002.61	0.00	2,002.61	3,229.26	1,614.63	5,105.54	2,521.43	18.00	-3.14	0.804
60.00	-29.07	-29.47	0.00	-1,913.19	0.00	1,913.19	3,196.28	1,598.14	4,969.37	2,454.19	20.03	-3.33	0.789
61.00	-28.58	-29.11	0.00	-1,883.28	0.00	1,883.28	3,185.13	1,592.57	4,924.14	2,431.85	20.74	-3.40	0.784
63.00	-28.01	-28.92	0.00	-1,825.06	0.00	1,825.06	3,162.62	1,581.31	4,833.91	2,387.28	22.19	-3.53	0.774
66.00	-27.19	-28.60	0.00	-1,738.32	0.00	1,738.32	3,128.28	1,564.14	4,699.19	2,320.75	24.47	-3.72	0.758
69.00	-26.37	-28.28	0.00	-1,652.52	0.00	1,652.52	3,093.27	1,546.64	4,565.29	2,254.62	26.87	-3.92	0.742
72.00	-25.57	-27.96	0.00	-1,567.68	0.00	1,567.68	3,057.58	1,528.79	4,432.24	2,188.92	29.39	-4.11	0.725
75.00	-24.78	-27.63	0.00	-1,483.81	0.00	1,483.81	3,021.22	1,510.61	4,300.11	2,123.66	32.03	-4.30	0.707
78.00	-24.01	-27.31	0.00	-1,400.90	0.00	1,400.90	2,984.18	1,492.09	4,168.95	2,058.89	34.80	-4.50	0.689
81.00	-23.19	-26.80	0.00	-1,318.98	0.00	1,318.98	2,946.46	1,473.23	4,038.80	1,994.61	37.68	-4.69	0.669
81.11	-23.12	-26.82	0.00	-1,315.95	0.00	1,315.95	2,945.03	1,472.51	4,033.92	1,992.20	37.79	-4.70	0.669
84.00	-22.02	-26.45	0.00	-1,238.53	0.00	1,238.53	2,908.96	1,454.48	3,910.94	1,931.47	40.69	-4.88	0.649
85.87	-21.31	-26.20	0.00	-1,189.06	0.00	1,189.06	2,284.82	1,142.41	3,105.54	1,533.71	42.62	-5.00	0.785
87.00	-21.03	-26.10	0.00	-1,159.47	0.00	1,159.47	2,274.94	1,137.47	3,069.59	1,515.95	43.81	-5.07	0.775
90.00	-20.36	-25.77	0.00	-1,081.16	0.00	1,081.16	2,248.22	1,124.11	2,974.43	1,468.96	47.06	-5.29	0.746
93.00	-19.70	-25.44	0.00	-1,003.84	0.00	1,003.84	2,220.81	1,110.41	2,879.80	1,422.22	50.45	-5.50	0.715
96.00	-19.06	-25.10	0.00	-927.52	0.00	927.52	2,192.74	1,096.37	2,785.75	1,375.78	53.96	-5.70	0.683
99.00	-18.43	-24.76	0.00	-852.22	0.00	852.22	2,163.98	1,081.99	2,692.34	1,329.64	57.61	-5.90	0.650
102.00	-17.81	-24.42	0.00	-777.94	0.00	777.94	2,134.56	1,067.28	2,599.61	1,283.85	61.37	-6.10	0.615
105.00	-17.18	-23.53	0.00	-704.69	0.00	704.69	2,104.45	1,052.22	2,507.63	1,238.42	65.26	-6.29	0.578
108.00	-16.61	-23.19	0.00	-634.09	0.00	634.09	2,073.67	1,036.83	2,416.44	1,193.39	69.26	-6.47	0.540
111.00	-16.05	-22.84	0.00	-564.53	0.00	564.53	2,042.21	1,021.11	2,326.10	1,148.77	73.38	-6.65	0.500
114.00	-15.52	-22.47	0.00	-496.02	0.00	496.02	2,006.48	1,003.24	2,232.66	1,102.63	77.60	-6.81	0.458
115.00	-12.89	-18.62	0.00	-473.55	0.00	473.55	1,990.86	995.43	2,197.84	1,085.43	79.03	-6.87	0.443
117.00	-12.56	-18.39	0.00	-436.31	0.00	436.31	1,959.62	979.81	2,129.00	1,051.43	81.93	-6.97	0.422
120.00	-12.09	-18.03	0.00	-381.13	0.00	381.13	1,912.75	956.38	2,027.81	1,001.46	86.35	-7.12	0.387
122.22	-11.75	-17.67	0.00	-341.10	0.00	341.10	1,878.07	939.04	1,954.51	965.26	89.67	-7.22	0.360
123.00	-11.56	-17.55	0.00	-327.32	0.00	327.32	1,865.89	932.94	1,929.08	952.70	90.85	-7.26	0.350
126.00	-10.93	-17.02	0.00	-274.69	0.00	274.69	1,819.02	909.51	1,832.81	905.16	95.44	-7.38	0.310

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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<b>Load Case: 1.2D + 1.6W</b>	<b>100.00 mph with No Ice</b>	<b>29 Iterations</b>
<b>Gust Response Factor : 1.10</b>		<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 1.20</b>		
<b>Wind Load Factor : 1.60</b>		

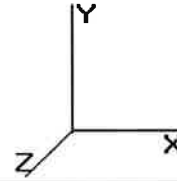
126.40	-10.83	-16.96	0.00	-267.82	0.00	267.82	927.93	463.97	955.72	471.99	96.07	-7.40	0.580
129.00	-10.55	-16.56	0.00	-223.77	0.00	223.77	918.88	459.44	925.49	457.06	100.11	-7.50	0.502
130.00	-8.34	-13.24	0.00	-204.42	0.00	204.42	915.26	457.63	913.82	451.30	101.68	-7.55	0.463
132.00	-8.13	-12.94	0.00	-177.94	0.00	177.94	907.79	453.90	890.46	439.76	104.86	-7.65	0.414
135.00	-7.84	-12.48	0.00	-139.12	0.00	139.12	896.03	448.02	855.37	422.43	109.70	-7.78	0.339
138.00	-7.56	-12.03	0.00	-101.67	0.00	101.67	883.59	441.80	820.26	405.10	114.61	-7.89	0.260
141.00	-7.30	-11.58	0.00	-65.59	0.00	65.59	870.48	435.24	785.20	387.78	119.58	-7.97	0.178
142.00	-4.71	-6.78	0.00	-54.01	0.00	54.01	865.96	432.98	773.54	382.02	121.25	-7.99	0.147
144.00	-4.56	-6.55	0.00	-40.45	0.00	40.45	856.69	428.34	750.24	370.52	124.60	-8.03	0.115
146.00	-4.42	-6.33	0.00	-27.35	0.00	27.35	847.12	423.56	727.02	359.05	127.95	-8.05	0.082
146.00	-4.42	-6.33	0.00	-27.35	0.00	27.35	1,188.56	594.28	742.57	366.73	127.95	-8.05	0.078
147.00	-4.30	-6.21	0.00	-21.02	0.00	21.02	1,188.56	594.28	742.57	366.73	129.64	-8.06	0.061
149.00	-1.27	-1.17	0.00	-8.60	0.00	8.60	1,188.56	594.28	742.57	366.73	133.01	-8.08	0.025
150.00	-1.17	-0.99	0.00	-6.82	0.00	6.82	1,188.56	594.28	742.57	366.73	134.69	-8.08	0.020
153.00	-0.88	-0.75	0.00	-3.86	0.00	3.86	1,188.56	594.28	742.57	366.73	139.75	-8.08	0.011
155.00	0.00	-0.61	0.00	-2.37	0.00	2.37	1,188.56	594.28	742.57	366.73	143.13	-8.09	0.006

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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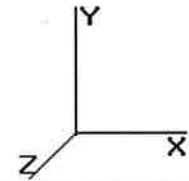
<b>Load Case:</b> 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		1.00	0.70	17.024	18.72	360.90	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0	
3.00		1.00	0.70	17.024	18.72	356.34	1.000	0.000	3.00	12.859	12.86	385.3	0.0	637.4	
6.00		1.00	0.70	17.024	18.72	351.78	1.000	0.000	3.00	12.696	12.70	380.4	0.0	629.2	
9.00		1.00	0.70	17.024	18.72	347.22	1.000	0.000	3.00	12.532	12.53	375.5	0.0	621.0	
12.00		1.00	0.70	17.024	18.72	342.66	1.000	0.000	3.00	12.369	12.37	370.6	0.0	612.9	
15.00	Appertunance(s)	1.00	0.70	17.024	18.72	338.10	1.000	0.000	3.00	12.205	12.21	365.7	0.0	604.7	
18.00		1.00	0.70	17.024	18.72	333.54	1.000	0.000	3.00	12.042	12.04	360.8	0.0	596.5	
21.00		1.00	0.70	17.024	18.72	328.98	1.000	0.000	3.00	11.878	11.88	355.9	0.0	588.3	
24.00		1.00	0.70	17.024	18.72	324.42	1.000	0.000	3.00	11.714	11.71	351.0	0.0	580.1	
27.00		1.00	0.70	17.024	18.72	319.85	1.000	0.000	3.00	11.551	11.55	346.1	0.0	572.0	
30.00		1.00	0.70	17.038	18.74	315.43	1.000	0.000	3.00	11.387	11.39	341.5	0.0	563.8	
33.00		1.00	0.72	17.509	19.26	315.13	1.000	0.000	3.00	11.224	11.22	345.9	0.0	555.6	
36.00		1.00	0.73	17.949	19.74	314.38	1.000	0.000	3.00	11.060	11.06	349.4	0.0	547.4	
39.00		1.00	0.75	18.365	20.20	313.26	1.000	0.000	3.00	10.897	10.90	352.2	0.0	539.3	
40.57	Bot - Section 2	1.00	0.76	18.573	20.43	312.54	1.000	0.000	1.57	5.640	5.64	184.4	0.0	279.1	
42.00		1.00	0.77	18.758	20.63	311.81	1.000	0.000	1.43	5.186	5.19	171.2	0.0	472.3	
45.00		1.00	0.78	19.131	21.04	310.06	1.000	0.000	3.00	10.764	10.76	362.4	0.0	980.1	
45.73	Top - Section 1	1.00	0.79	19.219	21.14	309.60	1.000	0.000	0.73	2.594	2.59	87.7	0.0	236.2	
48.00		1.00	0.80	19.487	21.43	313.85	1.000	0.000	2.27	8.006	8.01	274.6	0.0	340.0	
51.00		1.00	0.81	19.828	21.81	311.66	1.000	0.000	3.00	10.437	10.44	364.2	0.0	443.2	
54.00		1.00	0.82	20.154	22.17	309.25	1.000	0.000	3.00	10.273	10.27	364.4	0.0	436.2	
55.00	Appertunance(s)	1.00	0.83	20.260	22.28	308.40	1.000	0.000	1.00	3.388	3.39	120.8	0.0	143.8	
57.00		1.00	0.84	20.468	22.51	306.65	1.000	0.000	2.00	6.722	6.72	242.1	0.0	285.3	
60.00		1.00	0.85	20.770	22.84	303.86	1.000	0.000	3.00	9.946	9.95	363.6	0.0	422.2	
61.00	Appertunance(s)	1.00	0.85	20.868	22.95	302.90	1.000	0.000	1.00	3.279	3.28	120.4	0.0	139.2	
63.00		1.00	0.86	21.062	23.16	300.92	1.000	0.000	2.00	6.504	6.50	241.1	0.0	276.0	
66.00		1.00	0.87	21.343	23.47	297.82	1.000	0.000	3.00	9.619	9.62	361.3	0.0	408.1	
69.00		1.00	0.88	21.616	23.77	294.57	1.000	0.000	3.00	9.456	9.46	359.7	0.0	401.1	
72.00		1.00	0.90	21.881	24.06	291.20	1.000	0.000	3.00	9.292	9.29	357.8	0.0	394.1	
75.00		1.00	0.91	22.137	24.35	287.70	1.000	0.000	3.00	9.128	9.13	355.7	0.0	387.1	
78.00		1.00	0.92	22.387	24.62	284.09	1.000	0.000	3.00	8.965	8.96	353.2	0.0	380.1	
81.00	Appertunance(s)	1.00	0.93	22.630	24.89	280.37	1.000	*	0.000	3.00	8.801	8.80	350.5	0.0	373.1
81.11	Bot - Section 3	1.00	0.93	22.639	24.90	280.22	1.000	*	0.000	0.11	0.329	0.33	13.1	0.0	13.9
84.00		1.00	0.94	22.866	25.15	276.54	1.000	*	0.000	2.89	8.465	8.46	340.7	0.0	651.7
85.87	Top - Section 2	1.00	0.94	23.010	25.31	274.11	1.000	*	0.000	1.87	5.404	5.40	218.9	0.0	416.0
87.00		1.00	0.95	23.096	25.40	277.87	1.000	*	0.000	1.13	3.232	3.23	131.4	0.0	114.4
90.00		1.00	0.95	23.321	25.65	273.88	1.000	*	0.000	3.00	8.473	8.47	347.8	0.0	299.7
93.00		1.00	0.96	23.541	25.89	269.81	1.000	*	0.000	3.00	8.309	8.31	344.3	0.0	293.9
96.00		1.00	0.97	23.755	26.13	265.65	1.000	*	0.000	3.00	8.145	8.15	340.6	0.0	288.1
99.00		1.00	0.98	23.965	26.36	261.41	1.000	*	0.000	3.00	7.982	7.98	336.7	0.0	282.2
102.0		1.00	0.99	24.170	26.58	257.09	1.000	*	0.000	3.00	7.818	7.82	332.6	0.0	276.4
105.0	Appertunance(s)	1.00	1.00	24.371	26.80	252.70	1.000	*	0.000	3.00	7.655	7.65	328.3	0.0	270.5
108.0		1.00	1.01	24.568	27.02	248.24	1.000	*	0.000	3.00	7.491	7.49	323.9	0.0	264.7
111.0		1.00	1.01	24.761	27.23	243.71	1.000	*	0.000	3.00	7.328	7.33	319.3	0.0	258.9
114.0		1.00	1.02	24.951	27.44	239.12	1.000	*	0.000	3.00	7.164	7.16	314.6	0.0	253.0
115.0	Appertunance(s)	1.00	1.02	25.013	27.51	237.58	1.000	*	0.000	1.00	2.352	2.35	103.5	0.0	83.0
117.0		1.00	1.03	25.136	27.65	234.47	1.000	*	0.000	2.00	4.649	4.65	205.7	0.0	164.1
120.0		1.00	1.04	25.319	27.85	229.76	1.000	*	0.000	3.00	6.837	6.84	304.7	0.0	241.3
122.2	Bot - Section 4	1.00	1.04	25.452	27.99	226.23	1.200	*	0.000	2.22	4.954	5.95	266.3	0.0	174.8
123.0		1.00	1.04	25.498	28.04	224.99	1.200	*	0.000	0.78	1.745	2.09	93.9	0.0	97.8
126.0		1.00	1.05	25.674	28.24	220.16	1.200	*	0.000	3.00	6.607	7.93	358.3	0.0	370.2

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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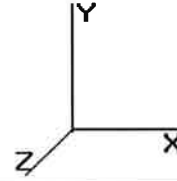
<b>Load Case: 0.9D + 1.6W</b>	<b>100.00 mph with No Ice (Reduced DL)</b>	<b>28 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

126.4	Top - Section 3	1.00	1.05	25.698	28.26	219.51	1.200	* 0.000	0.40	0.875	1.05	47.5	0.0	49.0
129.0		1.00	1.06	25.848	28.43	218.62	1.200	* 0.000	2.60	5.568	6.68	304.0	0.0	118.4
130.0	Appertunance(s)	1.00	1.06	25.905	28.49	216.98	1.200	* 0.000	1.00	2.112	2.53	115.5	0.0	44.9
132.0		1.00	1.07	26.018	28.62	213.70	1.200	* 0.000	2.00	4.169	5.00	229.1	0.0	88.6
135.0		1.00	1.07	26.185	28.80	208.73	1.200	* 0.000	3.00	6.117	7.34	338.3	0.0	130.0
138.0		1.00	1.08	26.350	28.98	203.71	1.200	* 0.000	3.00	5.953	7.14	331.3	0.0	126.5
141.0		1.00	1.09	26.513	29.16	198.65	1.200	* 0.000	3.00	5.790	6.95	324.2	0.0	123.0
142.0	Appertunance(s)	1.00	1.09	26.566	29.22	196.95	1.200	* 0.000	1.00	1.894	2.27	106.2	0.0	40.2
144.0		1.00	1.09	26.673	29.34	193.54	1.000	* 0.000	2.00	3.732	3.73	175.2	0.0	79.3
146.0	Top - Section 4	1.00	1.10	26.778	29.45	190.10	1.000	* 0.000	2.00	3.660	3.66	172.5	0.0	77.7
147.0		1.00	1.10	26.830	29.51	144.98	1.200	* 0.000	1.00	1.380	1.66	78.2	0.0	76.4
149.0	Appertunance(s)	1.00	1.10	26.934	29.62	145.26	1.200	* 0.000	2.00	2.761	3.31	157.0	0.0	152.8
150.0	Appertunance(s)	1.00	1.11	26.986	29.68	145.40	1.000	0.000	1.00	1.380	1.38	65.6	0.0	76.4
153.0		1.00	1.11	27.139	29.85	145.81	1.000	0.000	3.00	4.141	4.14	197.8	0.0	229.3
155.0	Appertunance(s)	1.00	1.12	27.240	29.96	146.08	1.000	0.000	2.00	2.761	2.76	132.4	0.0	152.8
* = Cf Adjusted By Linear Load Ra Effect									Totals:	155.00		17,514.7	0.0	20,826.0



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
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 Exposure Category : B  
 Topographic Category : 1  
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<b>Load Case:</b> 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

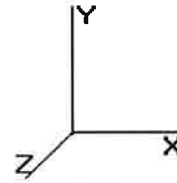
**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
15.00	4' Std. Dish	1	17.024	18.726	1.00	1.00	20.91	0.000	2.000	626.51	0.00	1,253.02	169.20
55.00	Stand Off	1	20.260	22.286	1.00	1.00	2.50	0.000	0.000	89.14	0.00	0.00	67.50
55.00	2" x 4" GPS	1	20.365	22.401	1.00	1.00	0.04	0.000	1.000	1.43	0.00	1.43	4.50
61.00	Stand Off	2	20.868	22.955	1.00	1.00	5.00	0.000	0.000	183.64	0.00	0.00	135.00
61.00	GPS	2	21.435	23.579	1.00	1.00	2.00	0.000	6.000	75.45	0.00	452.71	18.00
81.00	Stand Off	1	22.630	24.892	1.00	1.00	2.50	0.000	0.000	99.57	0.00	0.00	67.50
81.00	GPS	1	22.630	24.892	1.00	1.00	1.00	0.000	0.000	39.83	0.00	0.00	9.00
105.0	RFS APXV18-206517S-	3	24.371	26.808	0.80	1.00	12.41	0.000	0.000	532.22	0.00	0.00	59.40
115.0	Flat Platform w/ Han	1	25.013	27.514	1.00	1.00	42.40	0.000	0.000	1,866.56	0.00	0.00	1,800.00
115.0	48" x 12" Panel	9	25.013	27.514	0.67	0.75	22.93	0.000	0.000	1,009.40	0.00	0.00	243.00
115.0	72" x 12" Panel	3	25.013	27.514	0.67	0.75	12.26	0.000	0.000	539.54	0.00	0.00	108.00
130.0	Decibel 980H65T2E-M	5	26.074	28.681	0.79	0.75	11.26	0.000	3.000	516.61	0.00	1,549.83	38.25
130.0	Decibel DB980H90A-	4	26.074	28.681	0.79	0.75	9.01	0.000	3.000	413.29	0.00	1,239.86	30.60
130.0	Flat Platform w/ Han	1	25.905	28.495	1.00	1.00	42.40	0.000	0.000	1,933.10	0.00	0.00	1,800.00
142.0	Swedcom ALP 9212-N	6	26.566	29.223	0.67	0.75	13.63	0.000	0.000	637.19	0.00	0.00	144.18
142.0	Andrew LNX-6513DS-	3	26.566	29.223	0.83	0.75	10.92	0.000	0.000	510.81	0.00	0.00	82.08
142.0	Andrew HBXX-	6	26.566	29.223	0.80	0.75	19.51	0.000	0.000	912.32	0.00	0.00	165.24
142.0	RFS DB-T1-6Z-8AB-0Z	1	26.566	29.223	0.67	0.75	2.41	0.000	0.000	112.78	0.00	0.00	39.60
142.0	Flat Platform w/ Han	1	26.566	29.223	1.00	1.00	42.40	0.000	0.000	1,982.49	0.00	0.00	1,800.00
142.0	Alcatel-Lucent RRH2X	3	26.566	29.223	0.50	0.75	2.12	0.000	0.000	98.89	0.00	0.00	106.92
149.0	Andrew ABT-DMDF-	1	26.934	29.628	0.50	0.75	0.02	0.000	0.000	0.89	0.00	0.00	0.99
149.0	Kathrein 782-10250	6	26.934	29.628	0.50	0.75	1.17	0.000	0.000	55.46	0.00	0.00	34.56
149.0	CCI	6	26.934	29.628	0.50	0.75	2.18	0.000	0.000	103.46	0.00	0.00	103.68
149.0	Ericsson RRUS 11 (Ba	6	26.934	29.628	0.67	0.75	7.75	0.000	0.000	367.31	0.00	0.00	270.00
149.0	KMW AM-X-CD-16-65-	6	26.934	29.628	0.79	0.75	28.51	0.000	0.000	1,351.55	0.00	0.00	261.90
149.0	Powerwave 7020.00	3	26.934	29.628	0.50	0.75	0.45	0.000	0.000	21.33	0.00	0.00	5.94
149.0	Flat Platform w/ Han	1	26.934	29.628	1.00	1.00	42.40	0.000	0.000	2,009.93	0.00	0.00	1,800.00
149.0	Powerwave 7770.00	3	26.934	29.628	0.77	0.75	9.55	0.000	0.000	452.52	0.00	0.00	94.50
150.0	7' Omni	1	27.290	30.019	1.00	1.00	2.10	0.000	6.000	100.86	0.00	605.18	13.50
155.0	EMS RR90-17-02DP	3	27.240	29.964	0.01	1.00	0.13	0.000	0.000	6.27	0.00	0.00	48.60
155.0	Ericsson KRY 112 71/	6	27.240	29.964	0.01	1.00	0.04	0.000	0.000	2.10	0.00	0.00	71.28
155.0	Canister	1	27.488	30.237	1.00	1.00	9.80	0.000	5.000	474.11	0.00	2,370.56	450.00
										17,126.59			10,042.92

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
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**Load Case:** 0.9D + 1.6W      100.00 mph with No Ice (Reduced DL)      28 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

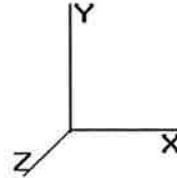
**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
3.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.069	0.000	0.00	5.10
3.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.069	0.000	0.00	6.64
3.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	3.51
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	0.41
3.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	0.81
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	0.41
3.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.069	0.000	0.00	0.08
6.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.070	0.000	0.00	5.10
6.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.070	0.000	0.00	6.64
6.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	3.51
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.41
6.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.81
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.41
6.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.08
9.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.070	0.000	0.00	5.10
9.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.070	0.000	0.00	6.64
9.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	3.51
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.41
9.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.81
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.41
9.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.070	0.000	0.00	0.08
12.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.071	0.000	0.00	5.10
12.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.071	0.000	0.00	6.64
12.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	3.51
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	0.41
12.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	0.81
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	0.41
12.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.071	0.000	0.00	0.08
15.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.072	0.000	0.00	5.10
15.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.072	0.000	0.00	6.64
15.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	3.51
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	0.41
15.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	0.81
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	0.41
15.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.072	0.000	0.00	0.08
18.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.073	0.000	0.00	5.10
18.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.073	0.000	0.00	6.64
18.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.073	0.000	0.00	3.51
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.073	0.000	0.00	0.41
18.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.073	0.000	0.00	0.81
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.073	0.000	0.00	0.41
21.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.074	0.000	0.00	5.10
21.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.074	0.000	0.00	6.64
21.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.074	0.000	0.00	3.51
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.074	0.000	0.00	0.41
21.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.074	0.000	0.00	0.81
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.074	0.000	0.00	0.41
24.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.075	0.000	0.00	5.10
24.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.075	0.000	0.00	6.64
24.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.075	0.000	0.00	3.51
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.075	0.000	0.00	0.41

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

11/14/2014 11:44:32 AM  
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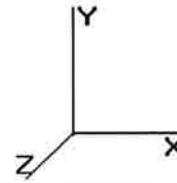
<b>Load Case:</b> 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

24.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.075	0.000	0.00	0.81
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.075	0.000	0.00	0.41
27.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.024	0.076	0.000	0.00	5.10
27.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.024	0.076	0.000	0.00	6.64
27.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.076	0.000	0.00	3.51
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.076	0.000	0.00	0.41
27.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.076	0.000	0.00	0.81
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.024	0.076	0.000	0.00	0.41
30.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.038	0.077	0.000	0.00	5.10
30.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.038	0.077	0.000	0.00	6.64
30.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.038	0.077	0.000	0.00	3.51
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.038	0.077	0.000	0.00	0.41
30.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.038	0.077	0.000	0.00	0.81
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.038	0.077	0.000	0.00	0.41
33.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.509	0.079	0.000	0.00	5.10
33.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.509	0.079	0.000	0.00	6.64
33.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.509	0.079	0.000	0.00	3.51
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.509	0.079	0.000	0.00	0.41
33.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.509	0.079	0.000	0.00	0.81
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.509	0.079	0.000	0.00	0.41
36.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	17.949	0.080	0.000	0.00	5.10
36.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	17.949	0.080	0.000	0.00	6.64
36.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	17.949	0.080	0.000	0.00	3.51
36.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.949	0.080	0.000	0.00	0.41
36.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.949	0.080	0.000	0.00	0.81
36.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	17.949	0.080	0.000	0.00	0.41
39.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	18.365	0.081	0.000	0.00	5.10
39.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	18.365	0.081	0.000	0.00	6.64
39.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	18.365	0.081	0.000	0.00	3.51
39.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	18.365	0.081	0.000	0.00	0.41
39.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	18.365	0.081	0.000	0.00	0.81
39.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	18.365	0.081	0.000	0.00	0.41
40.57	(3) 1 1/4" Coax	Yes	1.57	0.000	1.55	0.20	0.00	18.573	0.082	0.000	0.00	2.67
40.57	(3) 1 5/8" Coax	Yes	1.57	0.000	1.98	0.26	0.00	18.573	0.082	0.000	0.00	3.48
40.57	(1) 1 5/8" Hybriflex	Yes	1.57	0.000	0.00	0.00	0.00	18.573	0.082	0.000	0.00	1.84
40.57	(1) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	18.573	0.082	0.000	0.00	0.21
40.57	(2) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	18.573	0.082	0.000	0.00	0.42
40.57	(1) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	18.573	0.082	0.000	0.00	0.21
42.00	(3) 1 1/4" Coax	Yes	1.43	0.000	1.55	0.18	0.00	18.758	0.083	0.000	0.00	2.43
42.00	(3) 1 5/8" Coax	Yes	1.43	0.000	1.98	0.24	0.00	18.758	0.083	0.000	0.00	3.16
42.00	(1) 1 5/8" Hybriflex	Yes	1.43	0.000	0.00	0.00	0.00	18.758	0.083	0.000	0.00	1.67
42.00	(1) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	18.758	0.083	0.000	0.00	0.19
42.00	(2) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	18.758	0.083	0.000	0.00	0.39
42.00	(1) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	18.758	0.083	0.000	0.00	0.19
45.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	19.131	0.083	0.000	0.00	5.10
45.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	19.131	0.083	0.000	0.00	6.64
45.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	19.131	0.083	0.000	0.00	3.51
45.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.131	0.083	0.000	0.00	0.41
45.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.131	0.083	0.000	0.00	0.81
45.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.131	0.083	0.000	0.00	0.41
45.73	(3) 1 1/4" Coax	Yes	0.73	0.000	1.55	0.09	0.00	19.219	0.084	0.000	0.00	1.24
45.73	(3) 1 5/8" Coax	Yes	0.73	0.000	1.98	0.12	0.00	19.219	0.084	0.000	0.00	1.62
45.73	(1) 1 5/8" Hybriflex	Yes	0.73	0.000	0.00	0.00	0.00	19.219	0.084	0.000	0.00	0.85
45.73	(1) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	19.219	0.084	0.000	0.00	0.10
45.73	(2) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	19.219	0.084	0.000	0.00	0.20
45.73	(1) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	19.219	0.084	0.000	0.00	0.10
48.00	(3) 1 1/4" Coax	Yes	2.27	0.000	1.55	0.29	0.00	19.487	0.083	0.000	0.00	3.86

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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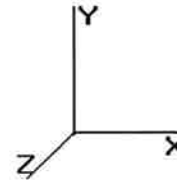
**Load Case:** 0.9D + 1.6W      100.00 mph with No Ice (Reduced DL)      28 Iterations  
**Gust Response Factor :** 1.10      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 0.90  
**Wind Load Factor :** 1.60

48.00	(3) 1 5/8" Coax	Yes	2.27	0.000	1.98	0.37	0.00	19.487	0.083	0.000	0.00	5.03
48.00	(1) 1 5/8" Hybriflex	Yes	2.27	0.000	0.00	0.00	0.00	19.487	0.083	0.000	0.00	2.66
48.00	(1) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	19.487	0.083	0.000	0.00	0.31
48.00	(2) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	19.487	0.083	0.000	0.00	0.61
48.00	(1) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	19.487	0.083	0.000	0.00	0.31
51.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	19.828	0.085	0.000	0.00	5.10
51.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	19.828	0.085	0.000	0.00	6.64
51.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	19.828	0.085	0.000	0.00	3.51
51.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.828	0.085	0.000	0.00	0.41
51.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.828	0.085	0.000	0.00	0.81
51.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	19.828	0.085	0.000	0.00	0.41
54.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	20.154	0.086	0.000	0.00	5.10
54.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	20.154	0.086	0.000	0.00	6.64
54.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	20.154	0.086	0.000	0.00	3.51
54.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.154	0.086	0.000	0.00	0.41
54.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.154	0.086	0.000	0.00	0.81
54.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.154	0.086	0.000	0.00	0.41
55.00	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	20.260	0.087	0.000	0.00	1.70
55.00	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	20.260	0.087	0.000	0.00	2.21
55.00	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.260	0.087	0.000	0.00	1.17
55.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.260	0.087	0.000	0.00	0.14
55.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.260	0.087	0.000	0.00	0.27
55.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.260	0.087	0.000	0.00	0.14
57.00	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	20.468	0.088	0.000	0.00	3.40
57.00	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.468	0.088	0.000	0.00	4.43
57.00	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	20.468	0.088	0.000	0.00	2.34
57.00	(1) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	20.468	0.088	0.000	0.00	0.27
57.00	(2) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	20.468	0.088	0.000	0.00	0.54
60.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	20.770	0.089	0.000	0.00	5.10
60.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	20.770	0.089	0.000	0.00	6.64
60.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	20.770	0.089	0.000	0.00	3.51
60.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.770	0.089	0.000	0.00	0.41
60.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	20.770	0.089	0.000	0.00	0.81
61.00	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	20.868	0.090	0.000	0.00	1.70
61.00	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	20.868	0.090	0.000	0.00	2.21
61.00	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.868	0.090	0.000	0.00	1.17
61.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.868	0.090	0.000	0.00	0.14
61.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.868	0.090	0.000	0.00	0.27
63.00	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	21.062	0.090	0.000	0.00	3.40
63.00	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.062	0.090	0.000	0.00	4.43
63.00	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	21.062	0.090	0.000	0.00	2.34
63.00	(1) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	21.062	0.090	0.000	0.00	0.27
66.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	21.343	0.092	0.000	0.00	5.10
66.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.343	0.092	0.000	0.00	6.64
66.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	21.343	0.092	0.000	0.00	3.51
66.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	21.343	0.092	0.000	0.00	0.41
69.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	21.616	0.093	0.000	0.00	5.10
69.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.616	0.093	0.000	0.00	6.64
69.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	21.616	0.093	0.000	0.00	3.51
69.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	21.616	0.093	0.000	0.00	0.41
72.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	21.881	0.095	0.000	0.00	5.10
72.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	21.881	0.095	0.000	0.00	6.64
72.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	21.881	0.095	0.000	0.00	3.51
72.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	21.881	0.095	0.000	0.00	0.41
75.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	22.137	0.097	0.000	0.00	5.10
75.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.137	0.097	0.000	0.00	6.64
75.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	22.137	0.097	0.000	0.00	3.51

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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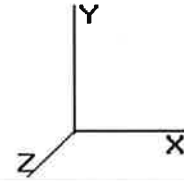
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<b>Load Case:</b> 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

75.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.137	0.097	0.000	0.00	0.41
78.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	22.387	0.098	0.000	0.00	5.10
78.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.387	0.098	0.000	0.00	6.64
78.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	22.387	0.098	0.000	0.00	3.51
78.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.387	0.098	0.000	0.00	0.41
81.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	22.630	0.100	1.001	0.00	5.10
81.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	22.630	0.100	1.001	0.00	6.64
81.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	22.630	0.100	1.001	0.00	3.51
81.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.630	0.100	1.001	0.00	0.41
81.11	(3) 1 1/4" Coax	Yes	0.11	0.000	1.55	0.01	0.00	22.639	0.101	1.004	0.00	0.19
81.11	(3) 1 5/8" Coax	Yes	0.11	0.000	1.98	0.02	0.00	22.639	0.101	1.004	0.00	0.25
81.11	(1) 1 5/8" Hybriflex	Yes	0.11	0.000	0.00	0.00	0.00	22.639	0.101	1.004	0.00	0.13
84.00	(3) 1 1/4" Coax	Yes	2.89	0.000	1.55	0.37	0.00	22.866	0.102	1.007	0.00	4.91
84.00	(3) 1 5/8" Coax	Yes	2.89	0.000	1.98	0.48	0.00	22.866	0.102	1.007	0.00	6.39
84.00	(1) 1 5/8" Hybriflex	Yes	2.89	0.000	0.00	0.00	0.00	22.866	0.102	1.007	0.00	3.38
85.87	(3) 1 1/4" Coax	Yes	1.87	0.000	1.55	0.24	0.00	23.010	0.104	1.011	0.00	3.18
85.87	(3) 1 5/8" Coax	Yes	1.87	0.000	1.98	0.31	0.00	23.010	0.104	1.011	0.00	4.14
85.87	(1) 1 5/8" Hybriflex	Yes	1.87	0.000	0.00	0.00	0.00	23.010	0.104	1.011	0.00	2.19
87.00	(3) 1 1/4" Coax	Yes	1.13	0.000	1.55	0.15	0.00	23.096	0.103	1.008	0.00	1.92
87.00	(3) 1 5/8" Coax	Yes	1.13	0.000	1.98	0.19	0.00	23.096	0.103	1.008	0.00	2.50
87.00	(1) 1 5/8" Hybriflex	Yes	1.13	0.000	0.00	0.00	0.00	23.096	0.103	1.008	0.00	1.32
90.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	23.321	0.104	1.012	0.00	5.10
90.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.321	0.104	1.012	0.00	6.64
90.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	23.321	0.104	1.012	0.00	3.51
93.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	23.541	0.106	1.019	0.00	5.10
93.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.541	0.106	1.019	0.00	6.64
93.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	23.541	0.106	1.019	0.00	3.51
96.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	23.755	0.108	1.025	0.00	5.10
96.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.755	0.108	1.025	0.00	6.64
96.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	23.755	0.108	1.025	0.00	3.51
99.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	23.965	0.111	1.032	0.00	5.10
99.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	23.965	0.111	1.032	0.00	6.64
99.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	23.965	0.111	1.032	0.00	3.51
102.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.170	0.113	1.039	0.00	5.10
102.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.170	0.113	1.039	0.00	6.64
102.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.170	0.113	1.039	0.00	3.51
105.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.371	0.115	1.046	0.00	5.10
105.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.371	0.115	1.046	0.00	6.64
105.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.371	0.115	1.046	0.00	3.51
108.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.568	0.118	1.053	0.00	5.10
108.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.568	0.118	1.053	0.00	6.64
108.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.568	0.118	1.053	0.00	3.51
111.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.761	0.120	1.061	0.00	5.10
111.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.761	0.120	1.061	0.00	6.64
111.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.761	0.120	1.061	0.00	3.51
114.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	24.951	0.123	1.070	0.00	5.10
114.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	24.951	0.123	1.070	0.00	6.64
114.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	24.951	0.123	1.070	0.00	3.51
115.0	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	25.013	0.125	1.075	0.00	1.70
115.0	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	25.013	0.125	1.075	0.00	2.21
115.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.013	0.125	1.075	0.00	1.17
117.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	25.136	0.127	1.080	0.00	3.40
117.0	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	25.136	0.127	1.080	0.00	4.43
117.0	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	25.136	0.127	1.080	0.00	2.34
120.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	25.319	0.129	1.087	0.00	5.10
120.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	25.319	0.129	1.087	0.00	6.64
120.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	25.319	0.129	1.087	0.00	3.51

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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**Load Case: 0.9D + 1.6W**      100.00 mph with No Ice (Reduced DL)      28 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

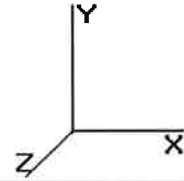
Dead Load Factor : 0.90

Wind Load Factor : 1.60

122.2	(3) 1 1/4" Coax	Yes	2.22	1.200	1.55	0.29	0.34	25.452	0.206	0.000	15.41	3.78
122.2	(1) Climbing Ladder	Yes	2.22	2.000	2.00	0.37	0.74	25.452	0.206	0.000	33.15	13.79
122.2	(3) 1 5/8" Coax	Yes	2.22	1.200	1.98	0.37	0.44	25.452	0.206	0.000	19.69	4.91
122.2	(1) 1 5/8" Hybriflex	Yes	2.22	0.000	0.00	0.00	0.00	25.452	0.206	0.000	0.00	2.60
123.0	(3) 1 1/4" Coax	Yes	0.78	1.200	1.55	0.10	0.12	25.498	0.209	0.000	5.43	1.33
123.0	(1) Climbing Ladder	Yes	0.78	2.000	2.00	0.13	0.26	25.498	0.209	0.000	11.67	4.84
123.0	(3) 1 5/8" Coax	Yes	0.78	1.200	1.98	0.13	0.15	25.498	0.209	0.000	6.93	1.73
123.0	(1) 1 5/8" Hybriflex	Yes	0.78	0.000	0.00	0.00	0.00	25.498	0.209	0.000	0.00	0.91
126.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	25.674	0.212	0.000	21.01	5.10
126.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	25.674	0.212	0.000	45.19	18.63
126.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	25.674	0.212	0.000	26.84	6.64
126.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	25.674	0.212	0.000	0.00	3.51
126.4	(3) 1 1/4" Coax	Yes	0.40	1.200	1.55	0.05	0.06	25.698	0.215	0.000	2.83	0.69
126.4	(1) Climbing Ladder	Yes	0.40	2.000	2.00	0.07	0.13	25.698	0.215	0.000	6.08	2.50
126.4	(3) 1 5/8" Coax	Yes	0.40	1.200	1.98	0.07	0.08	25.698	0.215	0.000	3.61	0.89
126.4	(1) 1 5/8" Hybriflex	Yes	0.40	0.000	0.00	0.00	0.00	25.698	0.215	0.000	0.00	0.47
129.0	(3) 1 1/4" Coax	Yes	2.60	1.200	1.55	0.34	0.40	25.848	0.215	0.000	18.31	4.42
129.0	(1) Climbing Ladder	Yes	2.60	2.000	2.00	0.43	0.87	25.848	0.215	0.000	39.38	16.13
129.0	(3) 1 5/8" Coax	Yes	2.60	1.200	1.98	0.43	0.51	25.848	0.215	0.000	23.39	5.75
129.0	(1) 1 5/8" Hybriflex	Yes	2.60	0.000	0.00	0.00	0.00	25.848	0.215	0.000	0.00	3.04
130.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.16	25.905	0.218	0.000	7.07	1.70
130.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	25.905	0.218	0.000	15.20	6.21
130.0	(3) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.905	0.218	0.000	9.03	2.21
130.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.905	0.218	0.000	0.00	1.17
132.0	(3) 1 1/4" Coax	Yes	2.00	1.200	1.55	0.26	0.31	26.018	0.221	0.000	14.20	3.40
132.0	(1) Climbing Ladder	Yes	2.00	2.000	2.00	0.33	0.67	26.018	0.221	0.000	30.53	12.42
132.0	(3) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	26.018	0.221	0.000	18.13	4.43
132.0	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	26.018	0.221	0.000	0.00	2.34
135.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	26.185	0.226	0.000	21.43	5.10
135.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	26.185	0.226	0.000	46.09	18.63
135.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	26.185	0.226	0.000	27.38	6.64
135.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	26.185	0.226	0.000	0.00	3.51
138.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	26.350	0.232	0.000	21.57	5.10
138.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	26.350	0.232	0.000	46.38	18.63
138.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	26.350	0.232	0.000	27.55	6.64
138.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	26.350	0.232	0.000	0.00	3.51
141.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	26.513	0.239	0.000	21.70	5.10
141.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	26.513	0.239	0.000	46.66	18.63
141.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	26.513	0.239	0.000	27.72	6.64
141.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	26.513	0.239	0.000	0.00	3.51
142.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.16	26.566	0.243	0.000	7.25	1.70
142.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	26.566	0.243	0.000	15.59	6.21
142.0	(3) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.566	0.243	0.000	9.26	2.21
142.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.566	0.243	0.000	0.00	1.17
144.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	26.673	0.159	1.176	0.00	3.40
144.0	(1) Climbing Ladder	Yes	2.00	0.000	2.00	0.33	0.00	26.673	0.159	1.176	0.00	12.42
146.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	26.778	0.162	1.185	0.00	3.40
146.0	(1) Climbing Ladder	Yes	2.00	0.000	2.00	0.33	0.00	26.778	0.162	1.185	0.00	12.42
147.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.15	26.830	0.214	0.000	7.32	1.70
147.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	26.830	0.214	0.000	15.74	6.21
149.0	(3) 1 1/4" Coax	Yes	2.00	1.200	1.55	0.26	0.31	26.934	0.214	0.000	14.70	3.40
149.0	(1) Climbing Ladder	Yes	2.00	2.000	2.00	0.33	0.67	26.934	0.214	0.000	31.60	12.42
<b>Totals:</b>											<b>760.97</b>	<b>949.22</b>

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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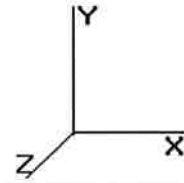
**Load Case:** 0.9D + 1.6W      100.00 mph with No Ice (Reduced DL)      28 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
3.00	385.29	794.82	0.00	0.00
6.00	380.39	786.64	0.00	0.00
9.00	375.49	778.47	0.00	0.00
12.00	370.59	770.29	0.00	0.00
15.00	992.20	931.31	0.00	1,253.02
18.00	360.79	753.85	0.00	0.00
21.00	355.89	745.67	0.00	0.00
24.00	350.99	737.50	0.00	0.00
27.00	346.09	729.32	0.00	0.00
30.00	341.48	721.14	0.00	0.00
33.00	345.87	712.96	0.00	0.00
36.00	349.41	704.78	0.00	0.00
39.00	352.20	696.61	0.00	0.00
40.57	184.37	361.47	0.00	0.00
42.00	171.19	547.25	0.00	0.00
45.00	362.43	1,137.47	0.00	0.00
45.73	87.75	274.45	0.00	0.00
48.00	274.59	459.09	0.00	0.00
51.00	364.21	600.54	0.00	0.00
54.00	364.40	593.53	0.00	0.00
55.00	211.39	268.29	0.00	1.43
57.00	242.14	389.97	0.00	0.00
60.00	363.58	579.11	0.00	0.00
61.00	379.53	344.48	0.00	452.71
63.00	241.08	380.08	0.00	0.00
66.00	361.33	564.28	0.00	0.00
69.00	359.73	557.27	0.00	0.00
72.00	357.83	550.26	0.00	0.00
75.00	355.66	543.25	0.00	0.00
78.00	353.23	536.24	0.00	0.00
81.00	489.94	605.73	0.00	0.00
81.11	13.10	19.81	0.00	0.00
84.00	340.66	801.59	0.00	0.00
85.87	218.86	513.07	0.00	0.00
87.00	131.37	172.98	0.00	0.00
90.00	347.76	455.48	0.00	0.00
93.00	344.25	449.63	0.00	0.00
96.00	340.55	443.79	0.00	0.00
99.00	336.66	437.95	0.00	0.00
102.0	332.59	432.11	0.00	0.00
105.0	860.56	485.67	0.00	0.00
108.0	323.93	407.15	0.00	0.00
111.0	319.34	401.30	0.00	0.00
114.0	314.61	395.46	0.00	0.00
115.0	3,519.03	2,281.52	0.00	0.00
117.0	205.67	241.39	0.00	0.00
120.0	304.68	357.21	0.00	0.00
122.2	334.58	274.37	0.00	0.00
123.0	117.97	132.75	0.00	0.00

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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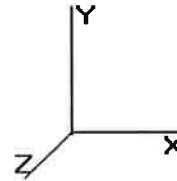
<b>Load Case:</b> 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

126.0	451.31	504.72	0.00	0.00
126.4	60.01	67.10	0.00	0.00
129.0	385.07	234.88	0.00	0.00
130.0	3,009.82	1,958.59	0.00	2,789.69
132.0	291.92	165.04	0.00	0.00
135.0	433.16	244.63	0.00	0.00
138.0	426.79	241.13	0.00	0.00
141.0	420.26	237.62	0.00	0.00
142.0	4,392.82	2,416.45	0.00	0.00
144.0	175.22	131.21	0.00	0.00
146.0	172.49	129.66	0.00	0.00
147.0	101.27	102.37	0.00	0.00
149.0	4,565.80	2,776.33	0.00	0.00
150.0	166.42	94.92	0.00	605.18
153.0	197.80	242.56	0.00	0.00
155.0	614.84	731.58	0.00	2,370.56
<b>Totals:</b>	<b>35,402.22</b>	<b>38,138.16</b>	<b>0.00</b>	<b>7,472.60</b>



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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<b>Load Case:</b> 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

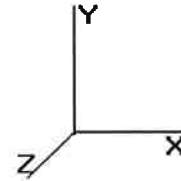
**Calculated Forces**

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-38.09	-35.45	0.00	-3,789.38	0.00	3,789.38	4,665.07	2,332.54	9,536.02	4,709.48	0.00	0.00	0.813
3.00	-37.21	-35.16	0.00	-3,683.03	0.00	3,683.03	4,631.78	2,315.89	9,346.21	4,615.74	0.05	-0.15	0.806
6.00	-36.33	-34.87	0.00	-3,577.55	0.00	3,577.55	4,597.82	2,298.91	9,156.81	4,522.21	0.19	-0.29	0.799
9.00	-35.47	-34.58	0.00	-3,472.95	0.00	3,472.95	4,563.18	2,281.59	8,967.87	4,428.89	0.42	-0.44	0.792
12.00	-34.61	-34.30	0.00	-3,369.20	0.00	3,369.20	4,527.86	2,263.93	8,779.43	4,335.83	0.74	-0.59	0.785
15.00	-33.60	-33.38	0.00	-3,265.07	0.00	3,265.07	4,491.86	2,245.93	8,591.56	4,243.05	1.16	-0.74	0.777
18.00	-32.76	-33.10	0.00	-3,164.92	0.00	3,164.92	4,455.19	2,227.60	8,404.31	4,150.57	1.68	-0.90	0.770
21.00	-31.94	-32.82	0.00	-3,065.63	0.00	3,065.63	4,417.85	2,208.92	8,217.72	4,058.43	2.29	-1.05	0.763
24.00	-31.12	-32.54	0.00	-2,967.18	0.00	2,967.18	4,379.82	2,189.91	8,031.86	3,966.64	3.00	-1.21	0.755
27.00	-30.31	-32.26	0.00	-2,869.58	0.00	2,869.58	4,341.13	2,170.56	7,846.78	3,875.23	3.81	-1.36	0.748
30.00	-29.51	-31.98	0.00	-2,772.81	0.00	2,772.81	4,301.75	2,150.88	7,662.53	3,784.23	4.72	-1.52	0.740
33.00	-28.71	-31.69	0.00	-2,676.87	0.00	2,676.87	4,261.70	2,130.85	7,479.16	3,693.68	5.73	-1.68	0.732
36.00	-27.93	-31.40	0.00	-2,581.79	0.00	2,581.79	4,220.97	2,110.49	7,296.73	3,603.58	6.83	-1.84	0.723
39.00	-27.18	-31.09	0.00	-2,487.59	0.00	2,487.59	4,179.57	2,089.78	7,115.28	3,513.97	8.04	-2.00	0.715
40.57	-26.78	-30.93	0.00	-2,438.76	0.00	2,438.76	4,157.62	2,078.81	7,020.70	3,467.26	8.72	-2.09	0.710
42.00	-26.17	-30.79	0.00	-2,394.56	0.00	2,394.56	4,137.49	2,068.74	6,934.89	3,424.88	9.36	-2.17	0.706
45.00	-25.00	-30.43	0.00	-2,302.18	0.00	2,302.18	4,094.73	2,047.37	6,755.59	3,336.33	10.77	-2.34	0.696
45.73	-24.68	-30.37	0.00	-2,279.97	0.00	2,279.97	3,347.12	1,673.56	5,622.43	2,776.71	11.13	-2.38	0.829
48.00	-24.15	-30.14	0.00	-2,211.03	0.00	2,211.03	3,324.15	1,662.07	5,517.72	2,724.99	12.29	-2.50	0.819
51.00	-23.47	-29.82	0.00	-2,120.62	0.00	2,120.62	3,293.20	1,646.60	5,379.77	2,656.86	13.93	-2.69	0.806
54.00	-22.84	-29.48	0.00	-2,031.14	0.00	2,031.14	3,261.56	1,630.78	5,242.36	2,589.00	15.67	-2.87	0.792
55.00	-22.53	-29.29	0.00	-2,001.66	0.00	2,001.66	3,250.87	1,625.44	5,196.68	2,566.45	16.28	-2.93	0.787
57.00	-22.07	-29.09	0.00	-1,943.08	0.00	1,943.08	3,229.26	1,614.63	5,105.54	2,521.43	17.54	-3.06	0.778
60.00	-21.45	-28.74	0.00	-1,855.81	0.00	1,855.81	3,196.28	1,598.14	4,969.37	2,454.19	19.52	-3.25	0.763
61.00	-21.09	-28.38	0.00	-1,826.61	0.00	1,826.61	3,185.13	1,592.57	4,924.14	2,431.85	20.21	-3.31	0.758
63.00	-20.64	-28.17	0.00	-1,769.86	0.00	1,769.86	3,162.62	1,581.31	4,833.91	2,387.28	21.62	-3.43	0.748
66.00	-20.01	-27.84	0.00	-1,685.34	0.00	1,685.34	3,128.28	1,564.14	4,699.19	2,320.75	23.84	-3.62	0.733
69.00	-19.39	-27.51	0.00	-1,601.82	0.00	1,601.82	3,093.27	1,546.64	4,565.29	2,254.62	26.17	-3.81	0.717
72.00	-18.77	-27.18	0.00	-1,519.28	0.00	1,519.28	3,057.58	1,528.79	4,432.24	2,188.92	28.62	-4.00	0.701
75.00	-18.17	-26.84	0.00	-1,437.75	0.00	1,437.75	3,021.22	1,510.61	4,300.11	2,123.66	31.19	-4.18	0.683
78.00	-17.58	-26.51	0.00	-1,357.22	0.00	1,357.22	2,984.18	1,492.09	4,168.95	2,058.89	33.88	-4.37	0.665
81.00	-16.97	-26.00	0.00	-1,277.69	0.00	1,277.69	2,946.46	1,473.23	4,038.80	1,994.61	36.69	-4.56	0.647
81.11	-16.91	-26.02	0.00	-1,274.75	0.00	1,274.75	2,945.03	1,472.51	4,033.92	1,992.20	36.79	-4.57	0.646
84.00	-16.07	-25.65	0.00	-1,199.65	0.00	1,199.65	2,908.96	1,454.48	3,910.94	1,931.47	39.61	-4.74	0.627
85.87	-15.53	-25.42	0.00	-1,151.66	0.00	1,151.66	2,284.82	1,142.41	3,105.54	1,533.71	41.49	-4.86	0.758
87.00	-15.31	-25.31	0.00	-1,122.96	0.00	1,122.96	2,274.94	1,137.47	3,069.59	1,515.95	42.64	-4.93	0.748
90.00	-14.80	-24.97	0.00	-1,047.04	0.00	1,047.04	2,248.22	1,124.11	2,974.43	1,468.96	45.81	-5.14	0.720
93.00	-14.30	-24.64	0.00	-972.11	0.00	972.11	2,220.81	1,110.41	2,879.80	1,422.22	49.09	-5.34	0.690
96.00	-13.80	-24.31	0.00	-898.19	0.00	898.19	2,192.74	1,096.37	2,785.75	1,375.78	52.51	-5.54	0.660
99.00	-13.32	-23.97	0.00	-825.27	0.00	825.27	2,163.98	1,081.99	2,692.34	1,329.64	56.05	-5.73	0.627
102.00	-12.85	-23.64	0.00	-753.35	0.00	753.35	2,134.56	1,067.28	2,599.61	1,283.85	59.71	-5.92	0.593
105.00	-12.38	-22.77	0.00	-682.42	0.00	682.42	2,104.45	1,052.22	2,507.63	1,238.42	63.48	-6.11	0.557
108.00	-11.94	-22.44	0.00	-614.10	0.00	614.10	2,073.67	1,036.83	2,416.44	1,193.39	67.37	-6.29	0.521
111.00	-11.52	-22.12	0.00	-546.77	0.00	546.77	2,042.21	1,021.11	2,326.10	1,148.77	71.37	-6.46	0.482
114.00	-11.12	-21.78	0.00	-480.42	0.00	480.42	2,006.48	1,003.24	2,232.66	1,102.63	75.47	-6.62	0.442
115.00	-9.24	-18.03	0.00	-458.64	0.00	458.64	1,990.86	995.43	2,197.84	1,085.43	76.86	-6.67	0.428
117.00	-8.98	-17.82	0.00	-422.58	0.00	422.58	1,959.62	979.81	2,129.00	1,051.43	79.67	-6.77	0.407
120.00	-8.63	-17.49	0.00	-369.12	0.00	369.12	1,912.75	956.38	2,027.81	1,001.46	83.96	-6.91	0.373
122.22	-8.38	-17.14	0.00	-330.29	0.00	330.29	1,878.07	939.04	1,954.51	965.26	87.19	-7.01	0.347
123.00	-8.24	-17.01	0.00	-316.92	0.00	316.92	1,865.89	932.94	1,929.08	952.70	88.33	-7.05	0.337
126.00	-7.77	-16.51	0.00	-265.88	0.00	265.88	1,819.02	909.51	1,832.81	905.16	92.79	-7.17	0.298

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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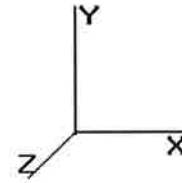
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<b>Load Case: 0.9D + 1.6W</b>	<b>100.00 mph with No Ice (Reduced DL)</b>	<b>28 Iterations</b>
<b>Gust Response Factor : 1.10</b>		<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 0.90</b>		
<b>Wind Load Factor : 1.60</b>		

126.40	-7.70	-16.45	0.00	-259.23	0.00	259.23	927.93	463.97	955.72	471.99	93.40	-7.18	0.559
129.00	-7.49	-16.05	0.00	-216.50	0.00	216.50	918.88	459.44	925.49	457.06	97.32	-7.28	0.483
130.00	-5.91	-12.82	0.00	-197.66	0.00	197.66	915.26	457.63	913.82	451.30	98.85	-7.33	0.445
132.00	-5.76	-12.53	0.00	-172.01	0.00	172.01	907.79	453.90	890.46	439.76	101.93	-7.43	0.398
135.00	-5.55	-12.08	0.00	-134.43	0.00	134.43	896.03	448.02	855.37	422.43	106.63	-7.55	0.325
138.00	-5.35	-11.63	0.00	-98.21	0.00	98.21	883.59	441.80	820.26	405.10	111.40	-7.66	0.249
141.00	-5.16	-11.18	0.00	-63.32	0.00	63.32	870.48	435.24	785.20	387.78	116.22	-7.74	0.170
142.00	-3.36	-6.51	0.00	-52.14	0.00	52.14	865.96	432.98	773.54	382.02	117.84	-7.76	0.141
144.00	-3.25	-6.32	0.00	-39.12	0.00	39.12	856.69	428.34	750.24	370.52	121.09	-7.79	0.110
146.00	-3.14	-6.13	0.00	-26.49	0.00	26.49	847.12	423.56	727.02	359.05	124.35	-7.82	0.078
146.00	-3.14	-6.13	0.00	-26.49	0.00	26.49	1,188.56	594.28	742.57	366.73	124.35	-7.82	0.075
147.00	-3.05	-6.02	0.00	-20.36	0.00	20.36	1,188.56	594.28	742.57	366.73	125.98	-7.83	0.058
149.00	-0.93	-1.12	0.00	-8.32	0.00	8.32	1,188.56	594.28	742.57	366.73	129.25	-7.84	0.023
150.00	-0.85	-0.94	0.00	-6.60	0.00	6.60	1,188.56	594.28	742.57	366.73	130.89	-7.84	0.019
153.00	-0.64	-0.71	0.00	-3.79	0.00	3.79	1,188.56	594.28	742.57	366.73	135.80	-7.84	0.011
155.00	0.00	-0.61	0.00	-2.37	0.00	2.37	1,188.56	594.28	742.57	366.73	139.08	-7.85	0.006

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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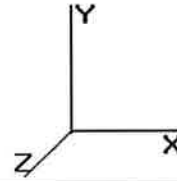
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
3.00		1.00	0.70	4.256	4.682	0.000	1.200	1.574	3.00	13.646	16.38	76.7	311.4	1,161.3
6.00		1.00	0.70	4.256	4.682	0.000	1.200	1.687	3.00	13.539	16.25	76.1	330.4	1,169.3
9.00		1.00	0.70	4.256	4.682	0.000	1.200	1.756	3.00	13.410	16.09	75.3	340.2	1,168.2
12.00		1.00	0.70	4.256	4.682	0.000	1.200	1.808	3.00	13.272	15.93	74.6	346.0	1,163.2
15.00	Appertunance(s)	1.00	0.70	4.256	4.682	0.000	1.200	1.848	3.00	13.129	15.76	73.8	349.6	1,155.8
18.00		1.00	0.70	4.256	4.682	0.000	1.200	1.882	3.00	12.983	15.58	72.9	351.6	1,146.9
21.00		1.00	0.70	4.256	4.682	0.000	1.200	1.912	3.00	12.834	15.40	72.1	352.6	1,137.0
24.00		1.00	0.70	4.256	4.682	0.000	1.200	1.937	3.00	12.683	15.22	71.3	352.7	1,126.3
27.00		1.00	0.70	4.256	4.682	0.000	1.200	1.960	3.00	12.531	15.04	70.4	352.3	1,114.9
30.00		1.00	0.70	4.260	4.686	0.000	1.200	1.981	3.00	12.378	14.85	69.6	351.3	1,103.0
33.00		1.00	0.72	4.377	4.815	0.000	1.200	2.000	3.00	12.224	14.67	70.6	349.9	1,090.7
36.00		1.00	0.73	4.487	4.936	0.000	1.200	2.017	3.00	12.069	14.48	71.5	348.1	1,078.0
39.00		1.00	0.75	4.591	5.050	0.000	1.200	2.034	3.00	11.914	14.30	72.2	346.0	1,065.0
40.57	Bot - Section 2	1.00	0.76	4.643	5.108	0.000	1.200	2.042	1.57	6.175	7.41	37.8	180.6	552.7
42.00		1.00	0.77	4.689	5.158	0.000	1.200	2.049	1.43	5.674	6.81	35.1	166.6	796.3
45.00		1.00	0.78	4.783	5.261	0.000	1.200	2.063	3.00	11.795	14.15	74.5	347.1	1,654.0
45.73	Top - Section 1	1.00	0.79	4.805	5.285	0.000	1.200	2.066	0.73	2.845	3.41	18.0	84.3	399.2
48.00		1.00	0.80	4.872	5.359	0.000	1.200	2.076	2.27	8.792	10.55	56.5	260.6	714.0
51.00		1.00	0.81	4.957	5.453	0.000	1.200	2.089	3.00	11.481	13.78	75.1	341.4	932.4
54.00		1.00	0.82	5.039	5.542	0.000	1.200	2.101	3.00	11.324	13.59	75.3	338.3	919.9
55.00	Appertunance(s)	1.00	0.83	5.065	5.572	0.000	1.200	2.105	1.00	3.739	4.49	25.0	112.4	304.2
57.00		1.00	0.84	5.117	5.629	0.000	1.200	2.112	2.00	7.426	8.91	50.2	223.4	603.8
60.00		1.00	0.85	5.193	5.712	0.000	1.200	2.123	3.00	11.008	13.21	75.4	331.7	894.5
61.00	Appertunance(s)	1.00	0.85	5.217	5.739	0.000	1.200	2.127	1.00	3.633	4.36	25.0	110.2	295.7
63.00		1.00	0.86	5.265	5.792	0.000	1.200	2.134	2.00	7.215	8.66	50.1	218.7	586.7
66.00		1.00	0.87	5.336	5.869	0.000	1.200	2.144	3.00	10.691	12.83	75.3	324.5	868.7
69.00		1.00	0.88	5.404	5.944	0.000	1.200	2.153	3.00	10.532	12.64	75.1	320.7	855.5
72.00		1.00	0.90	5.470	6.017	0.000	1.200	2.162	3.00	10.373	12.45	74.9	316.8	842.3
75.00		1.00	0.91	5.534	6.088	0.000	1.200	2.171	3.00	10.214	12.26	74.6	312.9	829.0
78.00		1.00	0.92	5.597	6.156	0.000	1.200	2.180	3.00	10.055	12.07	74.3	308.8	815.6
81.00	Appertunance(s)	1.00	0.93	5.657	6.223	0.000	1.200	* 2.188	3.00	9.895	11.87	73.9	304.7	802.1
81.11	Bot - Section 3	1.00	0.93	5.660	6.226	0.000	1.200	* 2.188	0.11	0.370	0.44	2.8	11.5	30.1
84.00		1.00	0.94	5.716	6.288	0.000	1.200	* 2.196	2.89	9.521	11.43	71.8	294.2	1,163.2
85.87	Top - Section 2	1.00	0.94	5.753	6.328	0.000	1.200	* 2.201	1.87	6.090	7.31	46.2	189.0	743.6
87.00		1.00	0.95	5.774	6.351	0.000	1.200	* 2.204	1.13	3.647	4.38	27.8	113.5	266.0
90.00		1.00	0.95	5.830	6.413	0.000	1.200	* 2.211	3.00	9.578	11.49	73.7	297.2	696.8
93.00		1.00	0.96	5.885	6.474	0.000	1.200	* 2.218	3.00	9.418	11.30	73.2	292.7	684.6
96.00		1.00	0.97	5.939	6.533	0.000	1.200	* 2.225	3.00	9.258	11.11	72.6	288.3	672.3
99.00		1.00	0.98	5.991	6.590	0.000	1.200	* 2.232	3.00	9.098	10.92	72.0	283.7	660.0
102.0		1.00	0.99	6.043	6.647	0.000	1.200	* 2.239	3.00	8.938	10.73	71.3	279.1	647.6
105.0	Appertunance(s)	1.00	1.00	6.093	6.702	0.000	1.200	* 2.245	3.00	8.778	10.53	70.6	274.5	635.2
108.0		1.00	1.01	6.142	6.756	0.000	1.200	* 2.252	3.00	8.617	10.34	69.9	269.8	622.7
111.0		1.00	1.01	6.190	6.809	0.000	1.200	* 2.258	3.00	8.457	10.15	69.1	265.0	610.1
114.0		1.00	1.02	6.238	6.861	0.000	1.200	* 2.264	3.00	8.296	9.96	68.3	260.2	597.6
115.0	Appertunance(s)	1.00	1.02	6.253	6.879	0.000	1.200	* 2.266	1.00	2.729	3.28	22.5	86.2	196.9
117.0		1.00	1.03	6.284	6.913	0.000	1.200	* 2.270	2.00	5.406	6.49	44.8	170.2	389.1
120.0		1.00	1.04	6.330	6.963	0.000	1.200	* 2.276	3.00	7.975	9.57	66.6	250.5	572.2
122.2	Bot - Section 4	1.00	1.04	6.363	6.999	0.000	1.200	* 2.280	2.22	5.798	6.96	48.7	182.6	415.7
123.0		1.00	1.04	6.375	7.012	0.000	1.200	* 2.281	0.78	2.041	2.45	17.2	64.7	195.1
126.0		1.00	1.05	6.419	7.060	0.000	1.200	* 2.287	3.00	7.751	9.30	65.7	243.9	737.5

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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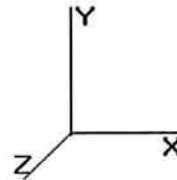
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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

126.4	Top - Section 3	1.00	1.05	6.424	7.067	0.000	1.200	*	2.287	0.40	1.029	1.23	8.7	32.7	98.0
129.0		1.00	1.06	6.462	7.108	0.000	1.200	*	2.292	2.60	6.561	7.87	56.0	206.8	364.7
130.0	Appertunance(s)	1.00	1.06	6.476	7.124	0.000	1.200	*	2.294	1.00	2.494	2.99	21.3	79.1	138.9
132.0		1.00	1.07	6.504	7.155	0.000	1.200	*	2.297	2.00	4.934	5.92	42.4	155.9	274.1
135.0		1.00	1.07	6.546	7.201	0.000	1.200	*	2.303	3.00	7.268	8.72	62.8	228.7	402.1
138.0		1.00	1.08	6.588	7.246	0.000	1.200	*	2.308	3.00	7.107	8.53	61.8	223.6	392.3
141.0		1.00	1.09	6.628	7.291	0.000	1.200	*	2.313	3.00	6.946	8.33	60.8	218.4	382.5
142.0	Appertunance(s)	1.00	1.09	6.642	7.306	0.000	1.200	*	2.314	1.00	2.279	2.74	20.0	72.2	125.9
144.0		1.00	1.09	6.668	7.335	0.000	1.200	*	2.317	2.00	4.505	5.41	39.7	142.2	247.9
146.0	Top - Section 4	1.00	1.10	6.695	7.364	0.000	1.200	*	2.321	2.00	4.434	5.32	39.2	139.8	243.5
147.0		1.00	1.10	6.708	7.378	0.000	1.200	*	2.322	1.00	1.767	2.12	15.6	54.9	156.8
149.0	Appertunance(s)	1.00	1.10	6.734	7.407	0.000	1.200	*	2.325	2.00	3.536	4.24	31.4	110.0	313.8
150.0	Appertunance(s)	1.00	1.11	6.746	7.421	0.000	1.200		2.327	1.00	1.768	2.12	15.7	55.0	156.9
153.0		1.00	1.11	6.785	7.463	0.000	1.200		2.332	3.00	5.307	6.37	47.5	165.5	471.2
155.0	Appertunance(s)	1.00	1.12	6.810	7.491	0.000	1.200		2.335	2.00	3.539	4.25	31.8	110.5	314.3
* = Cf Adjusted By Linear Load Ra Effect									Totals:	155.00		3,602.8	15,197.7	42,965.8	

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
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Code: ANSI/TIA-222 Rev G  
 Struct Class : II  
 Exposure Category : B  
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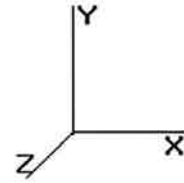
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
15.00	4' Std. Dish	1	4.256	4.682	1.00	1.00	24.00	0.000	2.000	112.37	0.00	224.73	470.19
55.00	Stand Off	1	5.065	5.572	1.00	1.00	4.60	0.000	0.000	25.66	0.00	0.00	153.14
55.00	2" x 4" GPS	1	5.091	5.600	1.00	1.00	0.25	0.000	1.000	1.39	0.00	1.39	15.74
61.00	Stand Off	2	5.217	5.739	1.00	1.00	9.25	0.000	0.000	53.10	0.00	0.00	307.60
61.00	GPS	2	5.359	5.895	1.00	1.00	2.09	0.000	6.000	12.35	0.00	74.07	125.16
81.00	Stand Off	1	5.657	6.223	1.00	1.00	4.69	0.000	0.000	29.17	0.00	0.00	155.64
81.00	GPS	1	5.657	6.223	1.00	1.00	1.06	0.000	0.000	6.63	0.00	0.00	64.65
105.0	RFS APXV18-206517S-	3	6.093	6.702	0.80	1.00	15.94	0.000	0.000	106.80	0.00	0.00	563.82
115.0	Flat Platform w/ Han	1	6.253	6.879	1.00	1.00	69.69	0.000	0.000	479.33	0.00	0.00	3,798.99
115.0	48" x 12" Panel	9	6.253	6.879	0.67	0.75	28.82	0.000	0.000	198.24	0.00	0.00	1,983.71
115.0	72" x 12" Panel	3	6.253	6.879	0.67	0.75	14.85	0.000	0.000	102.14	0.00	0.00	935.50
130.0	Decibel 980H65T2E-M	5	6.519	7.170	0.79	0.75	15.42	0.000	3.000	110.54	0.00	331.63	711.30
130.0	Decibel DB980H90A-	4	6.519	7.170	0.79	0.75	12.33	0.000	3.000	88.44	0.00	265.31	569.04
130.0	Flat Platform w/ Han	1	6.476	7.124	1.00	1.00	70.02	0.000	0.000	498.82	0.00	0.00	3,821.80
142.0	Swedcom ALP 9212-N	6	6.642	7.306	0.67	0.75	38.06	0.000	0.000	278.08	0.00	0.00	1,173.85
142.0	Andrew LNX-6513DS-	3	6.642	7.306	0.83	0.75	13.64	0.000	0.000	99.62	0.00	0.00	778.27
142.0	Andrew HBXX-	6	6.642	7.306	0.80	0.75	24.50	0.000	0.000	178.98	0.00	0.00	1,445.94
142.0	RFS DB-T1-6Z-8AB-0Z	1	6.642	7.306	0.67	0.75	3.01	0.000	0.000	21.97	0.00	0.00	254.68
142.0	Flat Platform w/ Han	1	6.642	7.306	1.00	1.00	70.27	0.000	0.000	513.35	0.00	0.00	3,838.40
142.0	Alcatel-Lucent RRH2X	3	6.642	7.306	0.50	0.75	3.01	0.000	0.000	22.01	0.00	0.00	432.86
149.0	Andrew ABT-DMDF-	1	6.734	7.407	0.50	0.75	0.08	0.000	0.000	0.56	0.00	0.00	11.14
149.0	Kathrein 782-10250	6	6.734	7.407	0.50	0.75	2.06	0.000	0.000	15.23	0.00	0.00	227.71
149.0	CCI	6	6.734	7.407	0.50	0.75	3.53	0.000	0.000	26.16	0.00	0.00	444.99
149.0	Ericsson RRUS 11 (Ba	6	6.734	7.407	0.67	0.75	10.45	0.000	0.000	77.37	0.00	0.00	1,064.47
149.0	KMW AM-X-CD-16-65-	6	6.734	7.407	0.79	0.75	34.78	0.000	0.000	257.60	0.00	0.00	1,961.45
149.0	Powerwave 7020.00	3	6.734	7.407	0.50	0.75	0.83	0.000	0.000	6.18	0.00	0.00	83.19
149.0	Flat Platform w/ Han	1	6.734	7.407	1.00	1.00	70.40	0.000	0.000	521.46	0.00	0.00	3,847.51
149.0	Powerwave 7770.00	3	6.734	7.407	0.77	0.75	12.04	0.000	0.000	89.19	0.00	0.00	707.85
150.0	7' Omni	1	6.822	7.505	1.00	1.00	4.25	0.000	6.000	31.89	0.00	191.35	161.81
155.0	EMS RR90-17-02DP	3	6.810	7.491	0.01	1.00	0.17	0.000	0.000	1.29	0.00	0.00	499.72
155.0	Ericsson KRY 112 71/	6	6.810	7.491	0.01	1.00	0.07	0.000	0.000	0.52	0.00	0.00	337.44
155.0	Canister	1	6.872	7.559	1.00	1.00	13.18	0.000	5.000	99.61	0.00	498.03	747.82
										<b>4,066.05</b>			<b>31,695.35</b>

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      28 Iterations

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

Dead Load Factor : 1.20      Ice Importance Factor : 1.00

Wind Load Factor : 1.00

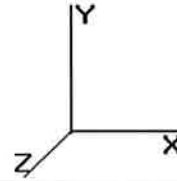
**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
3.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.17	0.00	4.256	0.069	0.000	0.00	34.76
3.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.28	0.00	4.256	0.069	0.000	0.00	42.69
3.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.069	0.000	0.00	22.01
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.069	0.000	0.00	12.03
3.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.069	0.000	0.00	14.98
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.069	0.000	0.00	12.03
3.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.069	0.000	0.00	10.23
6.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.23	0.00	4.256	0.070	0.000	0.00	37.33
6.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.34	0.00	4.256	0.070	0.000	0.00	45.60
6.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	23.88
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	13.54
6.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	16.66
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	13.54
6.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	11.65
9.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.27	0.00	4.256	0.070	0.000	0.00	38.97
9.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.37	0.00	4.256	0.070	0.000	0.00	47.45
9.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	25.08
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	14.53
9.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	17.75
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	14.53
9.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.070	0.000	0.00	12.58
12.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.29	0.00	4.256	0.071	0.000	0.00	40.19
12.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.40	0.00	4.256	0.071	0.000	0.00	48.83
12.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.071	0.000	0.00	25.99
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.071	0.000	0.00	15.27
12.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.071	0.000	0.00	18.57
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.071	0.000	0.00	15.27
12.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.071	0.000	0.00	13.28
15.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.31	0.00	4.256	0.072	0.000	0.00	41.18
15.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.42	0.00	4.256	0.072	0.000	0.00	49.94
15.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.072	0.000	0.00	26.72
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.072	0.000	0.00	15.88
15.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.072	0.000	0.00	19.23
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.072	0.000	0.00	15.88
15.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.072	0.000	0.00	13.86
18.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.33	0.00	4.256	0.073	0.000	0.00	42.02
18.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.44	0.00	4.256	0.073	0.000	0.00	50.88
18.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.073	0.000	0.00	27.35
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.073	0.000	0.00	16.39
18.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.073	0.000	0.00	19.80
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.073	0.000	0.00	16.39
21.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.34	0.00	4.256	0.074	0.000	0.00	42.74
21.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.45	0.00	4.256	0.074	0.000	0.00	51.69
21.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.074	0.000	0.00	27.89
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.074	0.000	0.00	16.84
21.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.074	0.000	0.00	20.29
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.074	0.000	0.00	16.84
24.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.36	0.00	4.256	0.075	0.000	0.00	43.38
24.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.46	0.00	4.256	0.075	0.000	0.00	52.41
24.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.075	0.000	0.00	28.37
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.075	0.000	0.00	17.24

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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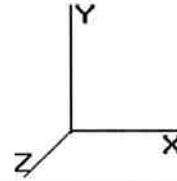
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

24.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.075	0.000	0.00	20.73
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.075	0.000	0.00	17.24
27.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.37	0.00	4.256	0.076	0.000	0.00	43.96
27.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.48	0.00	4.256	0.076	0.000	0.00	53.05
27.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.076	0.000	0.00	28.80
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.076	0.000	0.00	17.60
27.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.076	0.000	0.00	21.12
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.256	0.076	0.000	0.00	17.60
30.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.38	0.00	4.260	0.077	0.000	0.00	44.48
30.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.49	0.00	4.260	0.077	0.000	0.00	53.64
30.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.260	0.077	0.000	0.00	29.20
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.260	0.077	0.000	0.00	17.94
30.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.260	0.077	0.000	0.00	21.49
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.260	0.077	0.000	0.00	17.93
33.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.39	0.00	4.377	0.079	0.000	0.00	44.97
33.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.50	0.00	4.377	0.079	0.000	0.00	54.18
33.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.377	0.079	0.000	0.00	29.56
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.377	0.079	0.000	0.00	18.24
33.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.377	0.079	0.000	0.00	21.82
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.377	0.079	0.000	0.00	18.24
36.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.40	0.00	4.487	0.080	0.000	0.00	45.41
36.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.50	0.00	4.487	0.080	0.000	0.00	54.68
36.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.487	0.080	0.000	0.00	29.90
36.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.487	0.080	0.000	0.00	18.52
36.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.487	0.080	0.000	0.00	22.13
36.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.487	0.080	0.000	0.00	18.52
39.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.40	0.00	4.591	0.081	0.000	0.00	45.83
39.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.51	0.00	4.591	0.081	0.000	0.00	55.15
39.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.591	0.081	0.000	0.00	30.22
39.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.591	0.081	0.000	0.00	18.79
39.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.591	0.081	0.000	0.00	22.42
39.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.591	0.081	0.000	0.00	18.79
40.57	(3) 1 1/4" Coax	Yes	1.57	0.000	1.55	0.74	0.00	4.643	0.082	0.000	0.00	24.10
40.57	(3) 1 5/8" Coax	Yes	1.57	0.000	1.98	0.79	0.00	4.643	0.082	0.000	0.00	28.99
40.57	(1) 1 5/8" Hybriflex	Yes	1.57	0.000	0.00	0.00	0.00	4.643	0.082	0.000	0.00	15.90
40.57	(1) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	4.643	0.082	0.000	0.00	9.91
40.57	(2) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	4.643	0.082	0.000	0.00	11.81
40.57	(1) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	4.643	0.082	0.000	0.00	9.91
42.00	(3) 1 1/4" Coax	Yes	1.43	0.000	1.55	0.67	0.00	4.689	0.083	0.000	0.00	22.02
42.00	(3) 1 5/8" Coax	Yes	1.43	0.000	1.98	0.72	0.00	4.689	0.083	0.000	0.00	26.48
42.00	(1) 1 5/8" Hybriflex	Yes	1.43	0.000	0.00	0.00	0.00	4.689	0.083	0.000	0.00	14.54
42.00	(1) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	4.689	0.083	0.000	0.00	9.07
42.00	(2) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	4.689	0.083	0.000	0.00	10.81
42.00	(1) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	4.689	0.083	0.000	0.00	9.07
45.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.42	0.00	4.783	0.083	0.000	0.00	46.59
45.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.53	0.00	4.783	0.083	0.000	0.00	55.99
45.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.783	0.083	0.000	0.00	30.79
45.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.783	0.083	0.000	0.00	19.27
45.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.783	0.083	0.000	0.00	22.94
45.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.783	0.083	0.000	0.00	19.27
45.73	(3) 1 1/4" Coax	Yes	0.73	0.000	1.55	0.35	0.00	4.805	0.084	0.000	0.00	11.36
45.73	(3) 1 5/8" Coax	Yes	0.73	0.000	1.98	0.37	0.00	4.805	0.084	0.000	0.00	13.65
45.73	(1) 1 5/8" Hybriflex	Yes	0.73	0.000	0.00	0.00	0.00	4.805	0.084	0.000	0.00	7.51
45.73	(1) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	4.805	0.084	0.000	0.00	4.70
45.73	(2) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	4.805	0.084	0.000	0.00	5.60
45.73	(1) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	4.805	0.084	0.000	0.00	4.70
48.00	(3) 1 1/4" Coax	Yes	2.27	0.000	1.55	1.08	0.00	4.872	0.083	0.000	0.00	35.52

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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

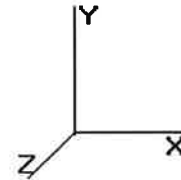
48.00	(3) 1 5/8" Coax	Yes	2.27	0.000	1.98	1.16	0.00	4.872	0.083	0.000	0.00	42.66
48.00	(1) 1 5/8" Hybriflex	Yes	2.27	0.000	0.00	0.00	0.00	4.872	0.083	0.000	0.00	23.50
48.00	(1) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	4.872	0.083	0.000	0.00	14.75
48.00	(2) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	4.872	0.083	0.000	0.00	17.54
48.00	(1) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	4.872	0.083	0.000	0.00	14.75
51.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.43	0.00	4.957	0.085	0.000	0.00	47.27
51.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.54	0.00	4.957	0.085	0.000	0.00	56.75
51.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	4.957	0.085	0.000	0.00	31.31
51.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.957	0.085	0.000	0.00	19.70
51.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.957	0.085	0.000	0.00	23.41
51.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	4.957	0.085	0.000	0.00	19.70
54.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.44	0.00	5.039	0.086	0.000	0.00	47.58
54.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.55	0.00	5.039	0.086	0.000	0.00	57.10
54.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.039	0.086	0.000	0.00	31.55
54.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.039	0.086	0.000	0.00	19.91
54.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.039	0.086	0.000	0.00	23.63
54.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.039	0.086	0.000	0.00	19.91
55.00	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.48	0.00	5.065	0.087	0.000	0.00	15.89
55.00	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.52	0.00	5.065	0.087	0.000	0.00	19.07
55.00	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.087	0.000	0.00	10.54
55.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.087	0.000	0.00	6.66
55.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.087	0.000	0.00	7.90
55.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.087	0.000	0.00	6.66
57.00	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.96	0.00	5.117	0.088	0.000	0.00	31.92
57.00	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.03	0.00	5.117	0.088	0.000	0.00	38.29
57.00	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	5.117	0.088	0.000	0.00	21.18
57.00	(1) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	5.117	0.088	0.000	0.00	13.40
57.00	(2) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	5.117	0.088	0.000	0.00	15.89
60.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.45	0.00	5.193	0.089	0.000	0.00	48.17
60.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.56	0.00	5.193	0.089	0.000	0.00	57.75
60.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.193	0.089	0.000	0.00	31.99
60.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.193	0.089	0.000	0.00	20.28
60.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.193	0.089	0.000	0.00	24.04
61.00	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.48	0.00	5.217	0.090	0.000	0.00	16.09
61.00	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.52	0.00	5.217	0.090	0.000	0.00	19.28
61.00	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.217	0.090	0.000	0.00	10.69
61.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.217	0.090	0.000	0.00	6.78
61.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.217	0.090	0.000	0.00	8.04
63.00	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.97	0.00	5.265	0.090	0.000	0.00	32.29
63.00	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.04	0.00	5.265	0.090	0.000	0.00	38.70
63.00	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	5.265	0.090	0.000	0.00	21.47
63.00	(1) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	5.265	0.090	0.000	0.00	13.64
66.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.46	0.00	5.336	0.092	0.000	0.00	48.70
66.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.57	0.00	5.336	0.092	0.000	0.00	58.35
66.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.336	0.092	0.000	0.00	32.41
66.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.336	0.092	0.000	0.00	20.63
69.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.46	0.00	5.404	0.093	0.000	0.00	48.96
69.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.57	0.00	5.404	0.093	0.000	0.00	58.63
69.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.404	0.093	0.000	0.00	32.60
69.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.404	0.093	0.000	0.00	20.80
72.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.47	0.00	5.470	0.095	0.000	0.00	49.20
72.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.58	0.00	5.470	0.095	0.000	0.00	58.91
72.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.470	0.095	0.000	0.00	32.79
72.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.470	0.095	0.000	0.00	20.95
75.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.47	0.00	5.534	0.097	0.000	0.00	49.44
75.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.58	0.00	5.534	0.097	0.000	0.00	59.17
75.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.534	0.097	0.000	0.00	32.97



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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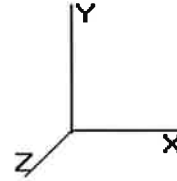
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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

75.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.534	0.097	0.000	0.00	21.11
78.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.48	0.00	5.597	0.098	0.000	0.00	49.67
78.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.58	0.00	5.597	0.098	0.000	0.00	59.42
78.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.597	0.098	0.000	0.00	33.14
78.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.597	0.098	0.000	0.00	21.26
81.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.48	0.00	5.657	0.100	1.001	0.00	49.89
81.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.59	0.00	5.657	0.100	1.001	0.00	59.67
81.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.657	0.100	1.001	0.00	33.31
81.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	5.657	0.100	1.001	0.00	21.40
81.11	(3) 1 1/4" Coax	Yes	0.11	0.000	1.55	0.06	0.00	5.660	0.101	1.004	0.00	1.88
81.11	(3) 1 5/8" Coax	Yes	0.11	0.000	1.98	0.06	0.00	5.660	0.101	1.004	0.00	2.25
81.11	(1) 1 5/8" Hybriflex	Yes	0.11	0.000	0.00	0.00	0.00	5.660	0.101	1.004	0.00	1.26
84.00	(3) 1 1/4" Coax	Yes	2.89	0.000	1.55	1.43	0.00	5.716	0.102	1.007	0.00	48.21
84.00	(3) 1 5/8" Coax	Yes	2.89	0.000	1.98	1.53	0.00	5.716	0.102	1.007	0.00	57.65
84.00	(1) 1 5/8" Hybriflex	Yes	2.89	0.000	0.00	0.00	0.00	5.716	0.102	1.007	0.00	32.22
85.87	(3) 1 1/4" Coax	Yes	1.87	0.000	1.55	0.93	0.00	5.753	0.104	1.011	0.00	31.32
85.87	(3) 1 5/8" Coax	Yes	1.87	0.000	1.98	0.99	0.00	5.753	0.104	1.011	0.00	37.45
85.87	(1) 1 5/8" Hybriflex	Yes	1.87	0.000	0.00	0.00	0.00	5.753	0.104	1.011	0.00	20.94
87.00	(3) 1 1/4" Coax	Yes	1.13	0.000	1.55	0.56	0.00	5.774	0.103	1.008	0.00	18.94
87.00	(3) 1 5/8" Coax	Yes	1.13	0.000	1.98	0.60	0.00	5.774	0.103	1.008	0.00	22.64
87.00	(1) 1 5/8" Hybriflex	Yes	1.13	0.000	0.00	0.00	0.00	5.774	0.103	1.008	0.00	12.66
90.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.49	0.00	5.830	0.104	1.012	0.00	50.51
90.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.60	0.00	5.830	0.104	1.012	0.00	60.36
90.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.830	0.104	1.012	0.00	33.80
93.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.50	0.00	5.885	0.106	1.019	0.00	50.71
93.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.60	0.00	5.885	0.106	1.019	0.00	60.58
93.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.885	0.106	1.019	0.00	33.95
96.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.50	0.00	5.939	0.108	1.025	0.00	50.90
96.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.61	0.00	5.939	0.108	1.025	0.00	60.79
96.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.939	0.108	1.025	0.00	34.09
99.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.50	0.00	5.991	0.111	1.032	0.00	51.09
99.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.61	0.00	5.991	0.111	1.032	0.00	61.00
99.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	5.991	0.111	1.032	0.00	34.24
102.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.51	0.00	6.043	0.113	1.039	0.00	51.27
102.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.61	0.00	6.043	0.113	1.039	0.00	61.20
102.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.043	0.113	1.039	0.00	34.38
105.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.51	0.00	6.093	0.115	1.046	0.00	51.45
105.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.62	0.00	6.093	0.115	1.046	0.00	61.40
105.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.093	0.115	1.046	0.00	34.51
108.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.51	0.00	6.142	0.118	1.053	0.00	51.62
108.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.62	0.00	6.142	0.118	1.053	0.00	61.59
108.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.142	0.118	1.053	0.00	34.65
111.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.52	0.00	6.190	0.120	1.061	0.00	51.79
111.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.62	0.00	6.190	0.120	1.061	0.00	61.78
111.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.190	0.120	1.061	0.00	34.78
114.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.52	0.00	6.238	0.123	1.070	0.00	51.96
114.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.63	0.00	6.238	0.123	1.070	0.00	61.96
114.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.238	0.123	1.070	0.00	34.91
115.0	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.51	0.00	6.253	0.125	1.075	0.00	17.34
115.0	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.253	0.125	1.075	0.00	20.67
115.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.253	0.125	1.075	0.00	11.65
117.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	1.01	0.00	6.284	0.127	1.080	0.00	34.74
117.0	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.284	0.127	1.080	0.00	41.43
117.0	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	6.284	0.127	1.080	0.00	23.35
120.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	1.53	0.00	6.330	0.129	1.087	0.00	52.28
120.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	1.63	0.00	6.330	0.129	1.087	0.00	62.32
120.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.330	0.129	1.087	0.00	35.15

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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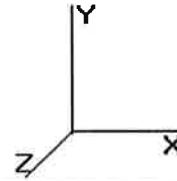
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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

122.2	(3) 1 1/4" Coax	Yes	2.22	1.200	1.55	1.13	1.36	6.363	0.206	0.000	9.49	38.77
122.2	(1) Climbing Ladder	Yes	2.22	2.000	2.00	1.21	2.43	6.363	0.206	0.000	16.99	41.09
122.2	(3) 1 5/8" Coax	Yes	2.22	1.200	1.98	1.21	1.45	6.363	0.206	0.000	10.16	46.21
122.2	(1) 1 5/8" Hybriflex	Yes	2.22	0.000	0.00	0.00	0.00	6.363	0.206	0.000	0.00	26.08
123.0	(3) 1 1/4" Coax	Yes	0.78	1.200	1.55	0.40	0.48	6.375	0.209	0.000	3.34	13.63
123.0	(1) Climbing Ladder	Yes	0.78	2.000	2.00	0.43	0.85	6.375	0.209	0.000	5.98	14.44
123.0	(3) 1 5/8" Coax	Yes	0.78	1.200	1.98	0.43	0.51	6.375	0.209	0.000	3.58	16.25
123.0	(1) 1 5/8" Hybriflex	Yes	0.78	0.000	0.00	0.00	0.00	6.375	0.209	0.000	0.00	9.17
126.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	1.53	1.84	6.419	0.212	0.000	12.97	52.58
126.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	1.64	3.29	6.419	0.212	0.000	23.21	55.68
126.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.64	1.97	6.419	0.212	0.000	13.88	62.66
126.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.419	0.212	0.000	0.00	35.39
126.4	(3) 1 1/4" Coax	Yes	0.40	1.200	1.55	0.21	0.25	6.424	0.215	0.000	1.74	7.07
126.4	(1) Climbing Ladder	Yes	0.40	2.000	2.00	0.22	0.44	6.424	0.215	0.000	3.12	7.48
126.4	(3) 1 5/8" Coax	Yes	0.40	1.200	1.98	0.22	0.26	6.424	0.215	0.000	1.87	8.42
126.4	(1) 1 5/8" Hybriflex	Yes	0.40	0.000	0.00	0.00	0.00	6.424	0.215	0.000	0.00	4.76
129.0	(3) 1 1/4" Coax	Yes	2.60	1.200	1.55	1.33	1.59	6.462	0.215	0.000	11.32	45.65
129.0	(1) Climbing Ladder	Yes	2.60	2.000	2.00	1.42	2.85	6.462	0.215	0.000	20.26	48.30
129.0	(3) 1 5/8" Coax	Yes	2.60	1.200	1.98	1.42	1.70	6.462	0.215	0.000	12.12	54.38
129.0	(1) 1 5/8" Hybriflex	Yes	2.60	0.000	0.00	0.00	0.00	6.462	0.215	0.000	0.00	30.74
130.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.51	0.61	6.476	0.218	0.000	4.37	17.59
130.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.55	1.10	6.476	0.218	0.000	7.82	18.61
130.0	(3) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.55	0.66	6.476	0.218	0.000	4.68	20.96
130.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.476	0.218	0.000	0.00	11.85
132.0	(3) 1 1/4" Coax	Yes	2.00	1.200	1.55	1.02	1.23	6.504	0.221	0.000	8.79	35.25
132.0	(1) Climbing Ladder	Yes	2.00	2.000	2.00	1.10	2.20	6.504	0.221	0.000	15.73	37.27
132.0	(3) 1 5/8" Coax	Yes	2.00	1.200	1.98	1.10	1.31	6.504	0.221	0.000	9.41	41.99
132.0	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	6.504	0.221	0.000	0.00	23.75
135.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	1.54	1.85	6.546	0.226	0.000	13.30	53.02
135.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	1.65	3.30	6.546	0.226	0.000	23.78	56.02
135.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.65	1.98	6.546	0.226	0.000	14.23	63.15
135.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.546	0.226	0.000	0.00	35.73
138.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	1.54	1.85	6.588	0.232	0.000	13.40	53.16
138.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	1.65	3.31	6.588	0.232	0.000	23.97	56.13
138.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.65	1.98	6.588	0.232	0.000	14.34	63.30
138.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.588	0.232	0.000	0.00	35.84
141.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	1.54	1.85	6.628	0.239	0.000	13.51	53.30
141.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	1.66	3.31	6.628	0.239	0.000	24.15	56.24
141.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.65	1.98	6.628	0.239	0.000	14.45	63.45
141.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.628	0.239	0.000	0.00	35.95
142.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.51	0.62	6.642	0.243	0.000	4.51	17.78
142.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.55	1.10	6.642	0.243	0.000	8.07	18.76
142.0	(3) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.55	0.66	6.642	0.243	0.000	4.83	21.17
142.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.642	0.243	0.000	0.00	11.99
144.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	1.03	0.00	6.668	0.159	1.176	0.00	35.62
144.0	(1) Climbing Ladder	Yes	2.00	0.000	2.00	1.11	0.00	6.668	0.159	1.176	0.00	37.56
146.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	1.03	0.00	6.695	0.162	1.185	0.00	35.68
146.0	(1) Climbing Ladder	Yes	2.00	0.000	2.00	1.11	0.00	6.695	0.162	1.185	0.00	37.61
147.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.52	0.62	6.708	0.214	0.000	4.57	17.85
147.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.55	1.11	6.708	0.214	0.000	8.17	18.81
149.0	(3) 1 1/4" Coax	Yes	2.00	1.200	1.55	1.03	1.24	6.734	0.214	0.000	9.19	35.77
149.0	(1) Climbing Ladder	Yes	2.00	2.000	2.00	1.11	2.22	6.734	0.214	0.000	16.42	37.68
<b>Totals:</b>											<b>411.72</b>	<b>8,481.33</b>

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      28 Iterations

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

Dead Load Factor : 1.20      Ice Importance Factor : 1.00

Wind Load Factor : 1.00

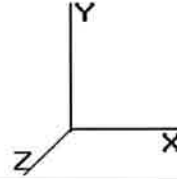
**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
3.00	76.66	1,497.31	0.00	0.00
6.00	76.06	1,518.82	0.00	0.00
9.00	75.34	1,526.40	0.00	0.00
12.00	74.56	1,527.86	0.00	0.00
15.00	186.13	1,995.98	0.00	224.73
18.00	72.94	1,507.06	0.00	0.00
21.00	72.10	1,500.60	0.00	0.00
24.00	71.25	1,492.94	0.00	0.00
27.00	70.40	1,484.35	0.00	0.00
30.00	69.60	1,474.99	0.00	0.00
33.00	70.63	1,465.01	0.00	0.00
36.00	71.49	1,454.50	0.00	0.00
39.00	72.20	1,443.53	0.00	0.00
40.57	37.84	751.36	0.00	0.00
42.00	35.12	977.52	0.00	0.00
45.00	74.47	2,036.11	0.00	0.00
45.73	18.05	492.27	0.00	0.00
48.00	56.54	1,004.41	0.00	0.00
51.00	75.12	1,317.81	0.00	0.00
54.00	75.31	1,306.88	0.00	0.00
55.00	52.04	602.24	0.00	1.39
57.00	50.16	849.38	0.00	0.00
60.00	75.45	1,264.08	0.00	0.00
61.00	90.47	851.79	0.00	74.07
63.00	50.14	817.71	0.00	0.00
66.00	75.30	1,216.05	0.00	0.00
69.00	75.13	1,203.83	0.00	0.00
72.00	74.90	1,191.48	0.00	0.00
75.00	74.62	1,179.00	0.00	0.00
78.00	74.28	1,166.40	0.00	0.00
81.00	109.70	1,373.98	0.00	0.00
81.11	2.76	42.52	0.00	0.00
84.00	71.85	1,481.54	0.00	0.00
85.87	46.25	950.12	0.00	0.00
87.00	27.79	390.72	0.00	0.00
90.00	73.71	1,028.79	0.00	0.00
93.00	73.16	1,017.15	0.00	0.00
96.00	72.58	1,005.43	0.00	0.00
99.00	71.95	993.64	0.00	0.00
102.0	71.29	981.78	0.00	0.00
105.0	177.39	1,533.67	0.00	0.00
108.0	69.86	940.15	0.00	0.00
111.0	69.10	928.09	0.00	0.00
114.0	68.31	915.97	0.00	0.00
115.0	802.25	7,021.30	0.00	0.00
117.0	44.84	578.05	0.00	0.00
120.0	66.63	856.15	0.00	0.00
122.2	85.34	667.19	0.00	0.00
123.0	30.08	283.44	0.00	0.00

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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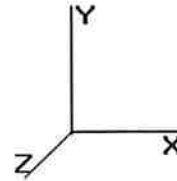
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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

126.0	115.72	1,077.97	0.00	0.00
126.4	15.46	143.79	0.00	0.00
129.0	99.66	659.90	0.00	0.00
130.0	735.99	5,354.81	0.00	596.94
132.0	76.30	484.06	0.00	0.00
135.0	114.11	717.64	0.00	0.00
138.0	113.51	708.36	0.00	0.00
141.0	112.88	699.03	0.00	0.00
142.0	1,151.40	8,155.44	0.00	0.00
144.0	39.65	369.20	0.00	0.00
146.0	39.18	364.92	0.00	0.00
147.0	28.39	217.54	0.00	0.00
149.0	1,050.79	8,783.68	0.00	0.00
150.0	47.64	325.42	0.00	191.35
153.0	47.53	488.92	0.00	0.00
155.0	133.23	1,911.08	0.00	498.03
<b>Totals:</b>	<b>8,080.56</b>	<b>91,569.11</b>	<b>0.00</b>	<b>1,586.52</b>

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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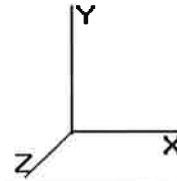
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

**Calculated Forces**

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-91.57	-8.11	0.00	-980.15	0.00	980.15	4,665.07	2,332.54	9,536.02	4,709.48	0.00	0.00	0.228
3.00	-90.06	-8.09	0.00	-955.82	0.00	955.82	4,631.78	2,315.89	9,346.21	4,615.74	0.01	-0.04	0.227
6.00	-88.54	-8.08	0.00	-931.54	0.00	931.54	4,597.82	2,298.91	9,156.81	4,522.21	0.05	-0.08	0.225
9.00	-87.01	-8.06	0.00	-907.32	0.00	907.32	4,563.18	2,281.59	8,967.87	4,428.89	0.11	-0.11	0.224
12.00	-85.47	-8.04	0.00	-883.15	0.00	883.15	4,527.86	2,263.93	8,779.43	4,335.83	0.19	-0.15	0.223
15.00	-83.47	-7.90	0.00	-858.81	0.00	858.81	4,491.86	2,245.93	8,591.56	4,243.05	0.30	-0.19	0.221
18.00	-81.96	-7.88	0.00	-835.11	0.00	835.11	4,455.19	2,227.60	8,404.31	4,150.57	0.44	-0.23	0.220
21.00	-80.46	-7.86	0.00	-811.46	0.00	811.46	4,417.85	2,208.92	8,217.72	4,058.43	0.60	-0.27	0.218
24.00	-78.96	-7.84	0.00	-787.88	0.00	787.88	4,379.82	2,189.91	8,031.86	3,966.64	0.78	-0.32	0.217
27.00	-77.47	-7.82	0.00	-764.36	0.00	764.36	4,341.13	2,170.56	7,846.78	3,875.23	1.00	-0.36	0.215
30.00	-75.99	-7.79	0.00	-740.91	0.00	740.91	4,301.75	2,150.88	7,662.53	3,784.23	1.23	-0.40	0.213
33.00	-74.52	-7.77	0.00	-717.52	0.00	717.52	4,261.70	2,130.85	7,479.16	3,693.68	1.50	-0.44	0.212
36.00	-73.06	-7.74	0.00	-694.22	0.00	694.22	4,220.97	2,110.49	7,290.73	3,603.58	1.79	-0.49	0.210
39.00	-71.61	-7.70	0.00	-670.99	0.00	670.99	4,179.57	2,089.78	7,115.28	3,513.97	2.11	-0.53	0.208
40.57	-70.86	-7.68	0.00	-658.90	0.00	658.90	4,157.62	2,078.81	7,020.70	3,467.26	2.29	-0.55	0.207
42.00	-69.87	-7.68	0.00	-647.92	0.00	647.92	4,137.49	2,068.74	6,934.89	3,424.88	2.46	-0.57	0.206
45.00	-67.84	-7.61	0.00	-624.89	0.00	624.89	4,094.73	2,047.37	6,755.59	3,336.33	2.83	-0.62	0.204
45.73	-67.34	-7.62	0.00	-619.34	0.00	619.34	3,347.12	1,673.56	5,622.43	2,776.71	2.93	-0.63	0.243
48.00	-66.33	-7.60	0.00	-602.04	0.00	602.04	3,324.15	1,662.07	5,517.72	2,724.99	3.24	-0.67	0.241
51.00	-65.01	-7.56	0.00	-579.25	0.00	579.25	3,293.20	1,646.60	5,379.77	2,656.86	3.67	-0.72	0.238
54.00	-63.70	-7.51	0.00	-556.56	0.00	556.56	3,261.56	1,630.78	5,242.36	2,589.00	4.14	-0.77	0.235
55.00	-63.09	-7.48	0.00	-549.05	0.00	549.05	3,250.87	1,625.44	5,196.68	2,566.45	4.30	-0.78	0.233
57.00	-62.24	-7.46	0.00	-534.09	0.00	534.09	3,229.26	1,614.63	5,105.54	2,521.43	4.64	-0.82	0.231
60.00	-60.97	-7.41	0.00	-511.70	0.00	511.70	3,196.28	1,598.14	4,969.37	2,454.19	5.17	-0.87	0.228
61.00	-60.12	-7.33	0.00	-504.22	0.00	504.22	3,185.13	1,592.57	4,924.14	2,431.85	5.35	-0.89	0.226
63.00	-59.30	-7.31	0.00	-489.57	0.00	489.57	3,162.62	1,581.31	4,833.91	2,387.28	5.73	-0.92	0.224
66.00	-58.07	-7.27	0.00	-467.63	0.00	467.63	3,128.28	1,564.14	4,699.19	2,320.75	6.32	-0.97	0.220
69.00	-56.87	-7.22	0.00	-445.83	0.00	445.83	3,093.27	1,546.64	4,565.29	2,254.62	6.95	-1.02	0.216
72.00	-55.67	-7.18	0.00	-424.16	0.00	424.16	3,057.58	1,528.79	4,432.24	2,188.92	7.61	-1.08	0.212
75.00	-54.48	-7.13	0.00	-402.62	0.00	402.62	3,021.22	1,510.61	4,300.11	2,123.66	8.30	-1.13	0.208
78.00	-53.31	-7.08	0.00	-381.23	0.00	381.23	2,984.18	1,492.09	4,168.95	2,058.89	9.03	-1.18	0.203
81.00	-51.94	-6.97	0.00	-359.99	0.00	359.99	2,946.46	1,473.23	4,038.80	1,994.61	9.79	-1.23	0.198
81.11	-51.89	-6.99	0.00	-359.20	0.00	359.20	2,945.03	1,472.51	4,033.92	1,992.20	9.82	-1.24	0.198
84.00	-50.41	-6.92	0.00	-339.03	0.00	339.03	2,908.96	1,454.48	3,910.94	1,931.47	10.58	-1.29	0.193
85.87	-49.46	-6.88	0.00	-326.08	0.00	326.08	2,284.82	1,142.41	3,105.54	1,533.71	11.09	-1.32	0.234
87.00	-49.06	-6.87	0.00	-318.32	0.00	318.32	2,274.94	1,137.47	3,069.59	1,515.95	11.41	-1.34	0.232
90.00	-48.03	-6.82	0.00	-297.70	0.00	297.70	2,248.22	1,124.11	2,974.43	1,468.96	12.27	-1.40	0.224
93.00	-47.01	-6.77	0.00	-277.24	0.00	277.24	2,220.81	1,110.41	2,879.80	1,422.22	13.17	-1.46	0.216
96.00	-46.00	-6.72	0.00	-256.92	0.00	256.92	2,192.74	1,096.37	2,785.75	1,375.78	14.10	-1.51	0.208
99.00	-45.00	-6.66	0.00	-236.77	0.00	236.77	2,163.98	1,081.99	2,692.34	1,329.64	15.07	-1.57	0.199
102.00	-44.01	-6.61	0.00	-216.78	0.00	216.78	2,134.56	1,067.28	2,599.61	1,283.85	16.07	-1.62	0.190
105.00	-42.48	-6.42	0.00	-196.97	0.00	196.97	2,104.45	1,052.22	2,507.63	1,238.42	17.11	-1.68	0.179
108.00	-41.54	-6.36	0.00	-177.70	0.00	177.70	2,073.67	1,036.83	2,416.44	1,193.39	18.18	-1.73	0.169
111.00	-40.61	-6.30	0.00	-158.62	0.00	158.62	2,042.21	1,021.11	2,326.10	1,148.77	19.28	-1.78	0.158
114.00	-39.69	-6.22	0.00	-139.73	0.00	139.73	2,006.48	1,003.24	2,232.66	1,102.63	20.41	-1.82	0.147
115.00	-32.70	-5.21	0.00	-133.51	0.00	133.51	1,990.86	995.43	2,197.84	1,085.43	20.80	-1.84	0.139
117.00	-32.12	-5.17	0.00	-123.09	0.00	123.09	1,959.62	979.81	2,129.00	1,051.43	21.57	-1.87	0.133
120.00	-31.26	-5.09	0.00	-107.59	0.00	107.59	1,912.75	956.38	2,027.81	1,001.46	22.76	-1.91	0.124
122.22	-30.59	-4.99	0.00	-96.30	0.00	96.30	1,878.07	939.04	1,954.51	965.26	23.65	-1.94	0.116
123.00	-30.31	-4.96	0.00	-92.40	0.00	92.40	1,865.89	932.94	1,929.08	952.70	23.97	-1.95	0.113
126.00	-29.23	-4.82	0.00	-77.51	0.00	77.51	1,819.02	909.51	1,832.81	905.16	25.21	-1.98	0.102

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
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Code: ANSI/TIA-222 Rev G  
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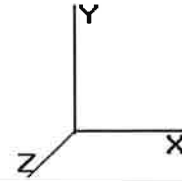
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	28 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

126.40	-29.09	-4.81	0.00	-75.57	0.00	75.57	927.93	463.97	955.72	471.99	25.38	-1.99	0.192
129.00	-28.43	-4.70	0.00	-63.07	0.00	63.07	918.88	459.44	925.49	457.06	26.47	-2.02	0.169
130.00	-23.10	-3.78	0.00	-57.78	0.00	57.78	915.26	457.63	913.82	451.30	26.89	-2.03	0.153
132.00	-22.62	-3.70	0.00	-50.22	0.00	50.22	907.79	453.90	890.46	439.76	27.75	-2.06	0.139
135.00	-21.91	-3.57	0.00	-39.11	0.00	39.11	896.03	448.02	855.37	422.43	29.05	-2.10	0.117
138.00	-21.20	-3.44	0.00	-28.39	0.00	28.39	883.59	441.80	820.26	405.10	30.38	-2.13	0.094
141.00	-20.51	-3.31	0.00	-18.06	0.00	18.06	870.48	435.24	785.20	387.78	31.73	-2.15	0.070
142.00	-12.40	-1.86	0.00	-14.75	0.00	14.75	865.96	432.98	773.54	382.02	32.18	-2.16	0.053
144.00	-12.03	-1.80	0.00	-11.04	0.00	11.04	856.69	428.34	750.24	370.52	33.08	-2.16	0.044
146.00	-11.67	-1.75	0.00	-7.43	0.00	7.43	847.12	423.56	727.02	359.05	33.99	-2.17	0.034
146.00	-11.67	-1.75	0.00	-7.43	0.00	7.43	1,188.56	594.28	742.57	366.73	33.99	-2.17	0.030
147.00	-11.45	-1.72	0.00	-5.68	0.00	5.68	1,188.56	594.28	742.57	366.73	34.45	-2.17	0.025
149.00	-2.71	-0.33	0.00	-2.25	0.00	2.25	1,188.56	594.28	742.57	366.73	35.36	-2.18	0.008
150.00	-2.39	-0.27	0.00	-1.73	0.00	1.73	1,188.56	594.28	742.57	366.73	35.81	-2.18	0.007
153.00	-1.90	-0.21	0.00	-0.91	0.00	0.91	1,188.56	594.28	742.57	366.73	37.18	-2.18	0.004
155.00	0.00	-0.13	0.00	-0.50	0.00	0.50	1,188.56	594.28	742.57	366.73	38.09	-2.18	0.001

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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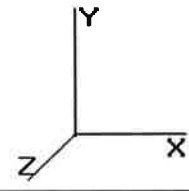
<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>27 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		1.00	0.70	6.129	6.742	216.54	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0	
3.00		1.00	0.70	6.129	6.742	213.80	1.000	0.000	3.00	12.859	12.86	86.7	0.0	708.2	
6.00		1.00	0.70	6.129	6.742	211.07	1.000	0.000	3.00	12.696	12.70	85.6	0.0	699.1	
9.00		1.00	0.70	6.129	6.742	208.33	1.000	0.000	3.00	12.532	12.53	84.5	0.0	690.0	
12.00		1.00	0.70	6.129	6.742	205.59	1.000	0.000	3.00	12.369	12.37	83.4	0.0	681.0	
15.00	Appertunance(s)	1.00	0.70	6.129	6.742	202.86	1.000	0.000	3.00	12.205	12.21	82.3	0.0	671.9	
18.00		1.00	0.70	6.129	6.742	200.12	1.000	0.000	3.00	12.042	12.04	81.2	0.0	662.8	
21.00		1.00	0.70	6.129	6.742	197.38	1.000	0.000	3.00	11.878	11.88	80.1	0.0	653.7	
24.00		1.00	0.70	6.129	6.742	194.65	1.000	0.000	3.00	11.714	11.71	79.0	0.0	644.6	
27.00		1.00	0.70	6.129	6.742	191.91	1.000	0.000	3.00	11.551	11.55	77.9	0.0	635.5	
30.00		1.00	0.70	6.134	6.747	189.25	1.000	0.000	3.00	11.387	11.39	76.8	0.0	626.4	
33.00		1.00	0.72	6.303	6.933	189.07	1.000	0.000	3.00	11.224	11.22	77.8	0.0	617.3	
36.00		1.00	0.73	6.462	7.108	188.63	1.000	0.000	3.00	11.060	11.06	78.6	0.0	608.3	
39.00		1.00	0.75	6.611	7.272	187.96	1.000	0.000	3.00	10.897	10.90	79.2	0.0	599.2	
40.57	Bot - Section 2	1.00	0.76	6.686	7.355	187.52	1.000	0.000	1.57	5.640	5.64	41.5	0.0	310.1	
42.00		1.00	0.77	6.753	7.428	187.08	1.000	0.000	1.43	5.186	5.19	38.5	0.0	524.8	
45.00		1.00	0.78	6.887	7.576	186.04	1.000	0.000	3.00	10.764	10.76	81.5	0.0	1,089.0	
45.73	Top - Section 1	1.00	0.79	6.919	7.611	185.76	1.000	0.000	0.73	2.594	2.59	19.7	0.0	262.4	
48.00		1.00	0.80	7.015	7.717	188.31	1.000	0.000	2.27	8.006	8.01	61.8	0.0	377.8	
51.00		1.00	0.81	7.138	7.852	186.99	1.000	0.000	3.00	10.437	10.44	81.9	0.0	492.4	
54.00		1.00	0.82	7.255	7.981	185.55	1.000	0.000	3.00	10.273	10.27	82.0	0.0	484.7	
55.00	Appertunance(s)	1.00	0.83	7.294	8.023	185.04	1.000	0.000	1.00	3.388	3.39	27.2	0.0	159.8	
57.00		1.00	0.84	7.368	8.105	183.99	1.000	0.000	2.00	6.722	6.72	54.5	0.0	317.0	
60.00		1.00	0.85	7.477	8.225	182.32	1.000	0.000	3.00	9.946	9.95	81.8	0.0	469.1	
61.00	Appertunance(s)	1.00	0.85	7.513	8.264	181.74	1.000	0.000	1.00	3.279	3.28	27.1	0.0	154.6	
63.00		1.00	0.86	7.582	8.340	180.55	1.000	0.000	2.00	6.504	6.50	54.2	0.0	306.7	
66.00		1.00	0.87	7.684	8.452	178.69	1.000	0.000	3.00	9.619	9.62	81.3	0.0	453.5	
69.00		1.00	0.88	7.782	8.560	176.74	1.000	0.000	3.00	9.456	9.46	80.9	0.0	445.7	
72.00		1.00	0.90	7.877	8.665	174.72	1.000	0.000	3.00	9.292	9.29	80.5	0.0	437.9	
75.00		1.00	0.91	7.969	8.766	172.62	1.000	0.000	3.00	9.128	9.13	80.0	0.0	430.1	
78.00		1.00	0.92	8.059	8.865	170.45	1.000	0.000	3.00	8.965	8.96	79.5	0.0	422.3	
81.00	Appertunance(s)	1.00	0.93	8.147	8.961	168.22	1.000	*	0.000	3.00	8.801	8.80	78.9	0.0	414.6
81.11	Bot - Section 3	1.00	0.93	8.150	8.965	168.13	1.000	*	0.000	0.11	0.329	0.33	2.9	0.0	15.5
84.00		1.00	0.94	8.232	9.055	165.92	1.000	*	0.000	2.89	8.465	8.46	76.6	0.0	724.1
85.87	Top - Section 2	1.00	0.94	8.284	9.112	164.46	1.000	*	0.000	1.87	5.404	5.40	49.2	0.0	462.2
87.00		1.00	0.95	8.315	9.146	166.72	1.000	*	0.000	1.13	3.232	3.23	29.6	0.0	127.1
90.00		1.00	0.95	8.396	9.235	164.33	1.000	*	0.000	3.00	8.473	8.47	78.2	0.0	333.1
93.00		1.00	0.96	8.475	9.322	161.88	1.000	*	0.000	3.00	8.309	8.31	77.5	0.0	326.6
96.00		1.00	0.97	8.552	9.407	159.39	1.000	*	0.000	3.00	8.145	8.15	76.6	0.0	320.1
99.00		1.00	0.98	8.627	9.490	156.84	1.000	*	0.000	3.00	7.982	7.98	75.7	0.0	313.6
102.0		1.00	0.99	8.701	9.571	154.25	1.000	*	0.000	3.00	7.818	7.82	74.8	0.0	307.1
105.0	Appertunance(s)	1.00	1.00	8.774	9.651	151.62	1.000	*	0.000	3.00	7.655	7.65	73.9	0.0	300.6
108.0		1.00	1.01	8.845	9.729	148.94	1.000	*	0.000	3.00	7.491	7.49	72.9	0.0	294.1
111.0		1.00	1.01	8.914	9.805	146.23	1.000	*	0.000	3.00	7.328	7.33	71.9	0.0	287.6
114.0		1.00	1.02	8.982	9.880	143.47	1.000	*	0.000	3.00	7.164	7.16	70.8	0.0	281.1
115.0	Appertunance(s)	1.00	1.02	9.005	9.905	142.54	1.000	*	0.000	1.00	2.352	2.35	23.3	0.0	92.3
117.0		1.00	1.03	9.049	9.954	140.68	1.000	*	0.000	2.00	4.649	4.65	46.3	0.0	182.4
120.0		1.00	1.04	9.115	10.02	137.85	1.000	*	0.000	3.00	6.837	6.84	68.6	0.0	268.1
122.2	Bot - Section 4	1.00	1.04	9.163	10.07	135.74	1.200	*	0.000	2.22	4.954	5.95	59.9	0.0	194.3
123.0		1.00	1.04	9.179	10.09	134.99	1.200	*	0.000	0.78	1.745	2.09	21.1	0.0	108.6
126.0		1.00	1.05	9.243	10.16	132.09	1.200	*	0.000	3.00	6.607	7.93	80.6	0.0	411.3

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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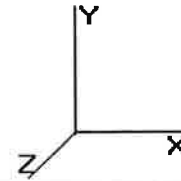
<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>27 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

126.4	Top - Section 3	1.00	1.05	9.251	10.17	131.70	1.200	*	0.000	0.40	0.875	1.05	10.7	0.0	54.5
129.0		1.00	1.06	9.305	10.23	131.17	1.200	*	0.000	2.60	5.568	6.68	68.4	0.0	131.6
130.0	Appertunance(s)	1.00	1.06	9.326	10.25	130.19	1.200	*	0.000	1.00	2.112	2.53	26.0	0.0	49.9
132.0		1.00	1.07	9.366	10.30	128.22	1.200	*	0.000	2.00	4.169	5.00	51.5	0.0	98.5
135.0		1.00	1.07	9.427	10.36	125.24	1.200	*	0.000	3.00	6.117	7.34	76.1	0.0	144.5
138.0		1.00	1.08	9.486	10.43	122.22	1.200	*	0.000	3.00	5.953	7.14	74.5	0.0	140.6
141.0		1.00	1.09	9.545	10.49	119.19	1.200	*	0.000	3.00	5.790	6.95	72.9	0.0	136.7
142.0	Appertunance(s)	1.00	1.09	9.564	10.52	118.17	1.200	*	0.000	1.00	1.894	2.27	23.9	0.0	44.7
144.0		1.00	1.09	9.602	10.56	116.12	1.000	*	0.000	2.00	3.732	3.73	39.4	0.0	88.1
146.0	Top - Section 4	1.00	1.10	9.640	10.60	114.06	1.000	*	0.000	2.00	3.660	3.66	38.8	0.0	86.4
147.0		1.00	1.10	9.659	10.62	86.992	1.200	*	0.000	1.00	1.380	1.66	17.6	0.0	84.9
149.0	Appertunance(s)	1.00	1.10	9.696	10.66	87.160	1.200	*	0.000	2.00	2.761	3.31	35.3	0.0	169.8
150.0	Appertunance(s)	1.00	1.11	9.715	10.68	87.243	1.000		0.000	1.00	1.380	1.38	14.8	0.0	84.9
153.0		1.00	1.11	9.770	10.74	87.490	1.000		0.000	3.00	4.141	4.14	44.5	0.0	254.7
155.0	Appertunance(s)	1.00	1.12	9.806	10.78	87.653	1.000		0.000	2.00	2.761	2.76	29.8	0.0	169.8
* = Cf Adjusted By Linear Load Ra Effect										<b>Totals:</b>		<b>155.00</b>	<b>3,940.8</b>	<b>0.0</b>	<b>23,140.0</b>



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
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 Shape : 12 Sides  
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<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

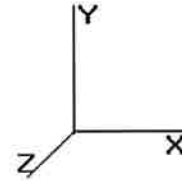
**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
15.00	4' Std. Dish	1	6.129	6.742	1.00	1.00	20.91	0.000	2.000	140.96	0.00	281.93	188.00
55.00	Stand Off	1	7.294	8.023	1.00	1.00	2.50	0.000	0.000	20.06	0.00	0.00	75.00
55.00	2" x 4" GPS	1	7.331	8.064	1.00	1.00	0.04	0.000	1.000	0.32	0.00	0.32	5.00
61.00	Stand Off	2	7.513	8.264	1.00	1.00	5.00	0.000	0.000	41.32	0.00	0.00	150.00
61.00	GPS	2	7.717	8.488	1.00	1.00	2.00	0.000	6.000	16.98	0.00	101.86	20.00
81.00	Stand Off	1	8.147	8.961	1.00	1.00	2.50	0.000	0.000	22.40	0.00	0.00	75.00
81.00	GPS	1	8.147	8.961	1.00	1.00	1.00	0.000	0.000	8.96	0.00	0.00	10.00
105.0	RFS APXV18-206517S-	3	8.774	9.651	0.80	1.00	12.41	0.000	0.000	119.75	0.00	0.00	66.00
115.0	Flat Platform w/ Han	1	9.005	9.905	1.00	1.00	42.40	0.000	0.000	419.98	0.00	0.00	2,000.00
115.0	48" x 12" Panel	9	9.005	9.905	0.67	0.75	22.93	0.000	0.000	227.12	0.00	0.00	270.00
115.0	72" x 12" Panel	3	9.005	9.905	0.67	0.75	12.26	0.000	0.000	121.40	0.00	0.00	120.00
130.0	Decibel 980H65T2E-M	5	9.387	10.325	0.79	0.75	11.26	0.000	3.000	116.24	0.00	348.71	42.50
130.0	Decibel DB980H90A-	4	9.387	10.325	0.79	0.75	9.01	0.000	3.000	92.99	0.00	278.97	34.00
130.0	Flat Platform w/ Han	1	9.326	10.258	1.00	1.00	42.40	0.000	0.000	434.95	0.00	0.00	2,000.00
142.0	Swedcom ALP 9212-N	6	9.564	10.520	0.67	0.75	13.63	0.000	0.000	143.37	0.00	0.00	160.20
142.0	Andrew LNX-6513DS-	3	9.564	10.520	0.83	0.75	10.92	0.000	0.000	114.93	0.00	0.00	91.20
142.0	Andrew HBXX-	6	9.564	10.520	0.80	0.75	19.51	0.000	0.000	205.27	0.00	0.00	183.60
142.0	RFS DB-T1-6Z-8AB-OZ	1	9.564	10.520	0.67	0.75	2.41	0.000	0.000	25.37	0.00	0.00	44.00
142.0	Flat Platform w/ Han	1	9.564	10.520	1.00	1.00	42.40	0.000	0.000	446.06	0.00	0.00	2,000.00
142.0	Alcatel-Lucent RRH2X	3	9.564	10.520	0.50	0.75	2.12	0.000	0.000	22.25	0.00	0.00	118.80
149.0	Andrew ABT-DMDF-	1	9.696	10.666	0.50	0.75	0.02	0.000	0.000	0.20	0.00	0.00	1.10
149.0	Kathrein 782-10250	6	9.696	10.666	0.50	0.75	1.17	0.000	0.000	12.48	0.00	0.00	38.40
149.0	CCI	6	9.696	10.666	0.50	0.75	2.18	0.000	0.000	23.28	0.00	0.00	115.20
149.0	Ericsson RRUS 11 (Ba	6	9.696	10.666	0.67	0.75	7.75	0.000	0.000	82.65	0.00	0.00	300.00
149.0	KMW AM-X-CD-16-65-	6	9.696	10.666	0.79	0.75	28.51	0.000	0.000	304.10	0.00	0.00	291.00
149.0	Powerwave 7020.00	3	9.696	10.666	0.50	0.75	0.45	0.000	0.000	4.80	0.00	0.00	6.60
149.0	Flat Platform w/ Han	1	9.696	10.666	1.00	1.00	42.40	0.000	0.000	452.23	0.00	0.00	2,000.00
149.0	Powerwave 7770.00	3	9.696	10.666	0.77	0.75	9.55	0.000	0.000	101.82	0.00	0.00	105.00
150.0	7' Omni	1	9.824	10.807	1.00	1.00	2.10	0.000	6.000	22.69	0.00	136.17	15.00
155.0	EMS RR90-17-02DP	3	9.806	10.787	0.01	1.00	0.13	0.000	0.000	1.41	0.00	0.00	54.00
155.0	Ericsson KRY 112 71/	6	9.806	10.787	0.01	1.00	0.04	0.000	0.000	0.47	0.00	0.00	79.20
155.0	Canister	1	9.896	10.885	1.00	1.00	9.80	0.000	5.000	106.68	0.00	533.38	500.00
										3,853.48			11,158.80

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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 Page: 44



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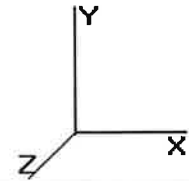
**Load Case:** 1.0D + 1.0W      60.00 mph Serviceability      27 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.00  
 Wind Load Factor : 1.00

**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
3.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.069	0.000	0.00	5.67
3.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.069	0.000	0.00	7.38
3.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.069	0.000	0.00	3.90
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.069	0.000	0.00	0.45
3.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.069	0.000	0.00	0.90
3.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.069	0.000	0.00	0.45
3.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.069	0.000	0.00	0.09
6.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.070	0.000	0.00	5.67
6.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.070	0.000	0.00	7.38
6.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	3.90
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	0.45
6.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	0.90
6.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	0.45
6.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	0.09
9.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.070	0.000	0.00	5.67
9.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.070	0.000	0.00	7.38
9.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	3.90
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	0.45
9.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	0.90
9.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	0.45
9.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.070	0.000	0.00	0.09
12.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.071	0.000	0.00	5.67
12.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.071	0.000	0.00	7.38
12.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.071	0.000	0.00	3.90
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.071	0.000	0.00	0.45
12.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.071	0.000	0.00	0.90
12.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.071	0.000	0.00	0.45
12.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.071	0.000	0.00	0.09
15.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.072	0.000	0.00	5.67
15.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.072	0.000	0.00	7.38
15.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.072	0.000	0.00	3.90
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.072	0.000	0.00	0.45
15.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.072	0.000	0.00	0.90
15.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.072	0.000	0.00	0.45
15.00	(1) 0.28" RG-6	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.072	0.000	0.00	0.09
18.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.073	0.000	0.00	5.67
18.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.073	0.000	0.00	7.38
18.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.073	0.000	0.00	3.90
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.073	0.000	0.00	0.45
18.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.073	0.000	0.00	0.90
18.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.073	0.000	0.00	0.45
21.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.074	0.000	0.00	5.67
21.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.074	0.000	0.00	7.38
21.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.074	0.000	0.00	3.90
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.074	0.000	0.00	0.45
21.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.074	0.000	0.00	0.90
21.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.074	0.000	0.00	0.45
24.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.075	0.000	0.00	5.67
24.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.075	0.000	0.00	7.38
24.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.075	0.000	0.00	3.90
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.075	0.000	0.00	0.45

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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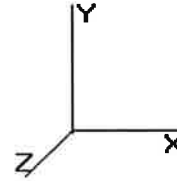
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<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>27 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

24.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.075	0.000	0.00	0.90
24.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.075	0.000	0.00	0.45
27.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.129	0.076	0.000	0.00	5.67
27.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.129	0.076	0.000	0.00	7.38
27.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.076	0.000	0.00	3.90
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.076	0.000	0.00	0.45
27.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.076	0.000	0.00	0.90
27.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.129	0.076	0.000	0.00	0.45
30.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.134	0.077	0.000	0.00	5.67
30.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.134	0.077	0.000	0.00	7.38
30.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.134	0.077	0.000	0.00	3.90
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.134	0.077	0.000	0.00	0.45
30.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.134	0.077	0.000	0.00	0.90
30.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.134	0.077	0.000	0.00	0.45
33.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.303	0.079	0.000	0.00	5.67
33.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.303	0.079	0.000	0.00	7.38
33.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.303	0.079	0.000	0.00	3.90
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.303	0.079	0.000	0.00	0.45
33.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.303	0.079	0.000	0.00	0.90
33.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.303	0.079	0.000	0.00	0.45
36.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.462	0.080	0.000	0.00	5.67
36.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.462	0.080	0.000	0.00	7.38
36.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.462	0.080	0.000	0.00	3.90
36.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.462	0.080	0.000	0.00	0.45
36.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.462	0.080	0.000	0.00	0.90
36.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.462	0.080	0.000	0.00	0.45
39.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.611	0.081	0.000	0.00	5.67
39.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.611	0.081	0.000	0.00	7.38
39.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.611	0.081	0.000	0.00	3.90
39.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.611	0.081	0.000	0.00	0.45
39.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.611	0.081	0.000	0.00	0.90
39.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.611	0.081	0.000	0.00	0.45
40.57	(3) 1 1/4" Coax	Yes	1.57	0.000	1.55	0.20	0.00	6.686	0.082	0.000	0.00	2.97
40.57	(3) 1 5/8" Coax	Yes	1.57	0.000	1.98	0.26	0.00	6.686	0.082	0.000	0.00	3.86
40.57	(1) 1 5/8" Hybriflex	Yes	1.57	0.000	0.00	0.00	0.00	6.686	0.082	0.000	0.00	2.04
40.57	(1) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	6.686	0.082	0.000	0.00	0.24
40.57	(2) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	6.686	0.082	0.000	0.00	0.47
40.57	(1) 1/2" Coax	Yes	1.57	0.000	0.00	0.00	0.00	6.686	0.082	0.000	0.00	0.24
42.00	(3) 1 1/4" Coax	Yes	1.43	0.000	1.55	0.18	0.00	6.753	0.083	0.000	0.00	2.70
42.00	(3) 1 5/8" Coax	Yes	1.43	0.000	1.98	0.24	0.00	6.753	0.083	0.000	0.00	3.52
42.00	(1) 1 5/8" Hybriflex	Yes	1.43	0.000	0.00	0.00	0.00	6.753	0.083	0.000	0.00	1.86
42.00	(1) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	6.753	0.083	0.000	0.00	0.21
42.00	(2) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	6.753	0.083	0.000	0.00	0.43
42.00	(1) 1/2" Coax	Yes	1.43	0.000	0.00	0.00	0.00	6.753	0.083	0.000	0.00	0.21
45.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	6.887	0.083	0.000	0.00	5.67
45.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	6.887	0.083	0.000	0.00	7.38
45.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	6.887	0.083	0.000	0.00	3.90
45.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.887	0.083	0.000	0.00	0.45
45.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.887	0.083	0.000	0.00	0.90
45.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.887	0.083	0.000	0.00	0.45
45.73	(3) 1 1/4" Coax	Yes	0.73	0.000	1.55	0.09	0.00	6.919	0.084	0.000	0.00	1.38
45.73	(3) 1 5/8" Coax	Yes	0.73	0.000	1.98	0.12	0.00	6.919	0.084	0.000	0.00	1.80
45.73	(1) 1 5/8" Hybriflex	Yes	0.73	0.000	0.00	0.00	0.00	6.919	0.084	0.000	0.00	0.95
45.73	(1) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	6.919	0.084	0.000	0.00	0.11
45.73	(2) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	6.919	0.084	0.000	0.00	0.22
45.73	(1) 1/2" Coax	Yes	0.73	0.000	0.00	0.00	0.00	6.919	0.084	0.000	0.00	0.11
48.00	(3) 1 1/4" Coax	Yes	2.27	0.000	1.55	0.29	0.00	7.015	0.083	0.000	0.00	4.29

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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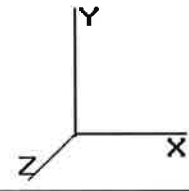
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<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>27 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

48.00	(3) 1 5/8" Coax	Yes	2.27	0.000	1.98	0.37	0.00	7.015	0.083	0.000	0.00	5.58
48.00	(1) 1 5/8" Hybriflex	Yes	2.27	0.000	0.00	0.00	0.00	7.015	0.083	0.000	0.00	2.95
48.00	(1) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	7.015	0.083	0.000	0.00	0.34
48.00	(2) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	7.015	0.083	0.000	0.00	0.68
48.00	(1) 1/2" Coax	Yes	2.27	0.000	0.00	0.00	0.00	7.015	0.083	0.000	0.00	0.34
51.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	7.138	0.085	0.000	0.00	5.67
51.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	7.138	0.085	0.000	0.00	7.38
51.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	7.138	0.085	0.000	0.00	3.90
51.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.138	0.085	0.000	0.00	0.45
51.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.138	0.085	0.000	0.00	0.90
51.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.138	0.085	0.000	0.00	0.45
54.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	7.255	0.086	0.000	0.00	5.67
54.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	7.255	0.086	0.000	0.00	7.38
54.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	7.255	0.086	0.000	0.00	3.90
54.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.255	0.086	0.000	0.00	0.45
54.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.255	0.086	0.000	0.00	0.90
54.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.255	0.086	0.000	0.00	0.45
55.00	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	7.294	0.087	0.000	0.00	1.89
55.00	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	7.294	0.087	0.000	0.00	2.46
55.00	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.087	0.000	0.00	1.30
55.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.087	0.000	0.00	0.15
55.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.087	0.000	0.00	0.30
55.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.087	0.000	0.00	0.15
57.00	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	7.368	0.088	0.000	0.00	3.78
57.00	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.368	0.088	0.000	0.00	4.92
57.00	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	7.368	0.088	0.000	0.00	2.60
57.00	(1) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	7.368	0.088	0.000	0.00	0.30
57.00	(2) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	7.368	0.088	0.000	0.00	0.60
60.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	7.477	0.089	0.000	0.00	5.67
60.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	7.477	0.089	0.000	0.00	7.38
60.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	7.477	0.089	0.000	0.00	3.90
60.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.477	0.089	0.000	0.00	0.45
60.00	(2) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.477	0.089	0.000	0.00	0.90
61.00	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	7.513	0.090	0.000	0.00	1.89
61.00	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	7.513	0.090	0.000	0.00	2.46
61.00	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.513	0.090	0.000	0.00	1.30
61.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.513	0.090	0.000	0.00	0.15
61.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.513	0.090	0.000	0.00	0.30
63.00	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	7.582	0.090	0.000	0.00	3.78
63.00	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.582	0.090	0.000	0.00	4.92
63.00	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	7.582	0.090	0.000	0.00	2.60
63.00	(1) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	7.582	0.090	0.000	0.00	0.30
66.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	7.684	0.092	0.000	0.00	5.67
66.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	7.684	0.092	0.000	0.00	7.38
66.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	7.684	0.092	0.000	0.00	3.90
66.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.684	0.092	0.000	0.00	0.45
69.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	7.782	0.093	0.000	0.00	5.67
69.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	7.782	0.093	0.000	0.00	7.38
69.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	7.782	0.093	0.000	0.00	3.90
69.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.782	0.093	0.000	0.00	0.45
72.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	7.877	0.095	0.000	0.00	5.67
72.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	7.877	0.095	0.000	0.00	7.38
72.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	7.877	0.095	0.000	0.00	3.90
72.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.877	0.095	0.000	0.00	0.45
75.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	7.969	0.097	0.000	0.00	5.67
75.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	7.969	0.097	0.000	0.00	7.38
75.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	7.969	0.097	0.000	0.00	3.90

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>27 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

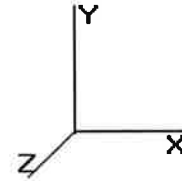
75.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	7.969	0.097	0.000	0.00	0.45
78.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.059	0.098	0.000	0.00	5.67
78.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.059	0.098	0.000	0.00	7.38
78.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.059	0.098	0.000	0.00	3.90
78.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	8.059	0.098	0.000	0.00	0.45
81.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.147	0.100	1.001	0.00	5.67
81.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.147	0.100	1.001	0.00	7.38
81.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.147	0.100	1.001	0.00	3.90
81.00	(1) 1/2" Coax	Yes	3.00	0.000	0.00	0.00	0.00	8.147	0.100	1.001	0.00	0.45
81.11	(3) 1 1/4" Coax	Yes	0.11	0.000	1.55	0.01	0.00	8.150	0.101	1.004	0.00	0.21
81.11	(3) 1 5/8" Coax	Yes	0.11	0.000	1.98	0.02	0.00	8.150	0.101	1.004	0.00	0.28
81.11	(1) 1 5/8" Hybriflex	Yes	0.11	0.000	0.00	0.00	0.00	8.150	0.101	1.004	0.00	0.15
84.00	(3) 1 1/4" Coax	Yes	2.89	0.000	1.55	0.37	0.00	8.232	0.102	1.007	0.00	5.46
84.00	(3) 1 5/8" Coax	Yes	2.89	0.000	1.98	0.48	0.00	8.232	0.102	1.007	0.00	7.10
84.00	(1) 1 5/8" Hybriflex	Yes	2.89	0.000	0.00	0.00	0.00	8.232	0.102	1.007	0.00	3.75
85.87	(3) 1 1/4" Coax	Yes	1.87	0.000	1.55	0.24	0.00	8.284	0.104	1.011	0.00	3.53
85.87	(3) 1 5/8" Coax	Yes	1.87	0.000	1.98	0.31	0.00	8.284	0.104	1.011	0.00	4.60
85.87	(1) 1 5/8" Hybriflex	Yes	1.87	0.000	0.00	0.00	0.00	8.284	0.104	1.011	0.00	2.43
87.00	(3) 1 1/4" Coax	Yes	1.13	0.000	1.55	0.15	0.00	8.315	0.103	1.008	0.00	2.13
87.00	(3) 1 5/8" Coax	Yes	1.13	0.000	1.98	0.19	0.00	8.315	0.103	1.008	0.00	2.78
87.00	(1) 1 5/8" Hybriflex	Yes	1.13	0.000	0.00	0.00	0.00	8.315	0.103	1.008	0.00	1.47
90.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.396	0.104	1.012	0.00	5.67
90.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.396	0.104	1.012	0.00	7.38
90.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.396	0.104	1.012	0.00	3.90
93.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.475	0.106	1.019	0.00	5.67
93.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.475	0.106	1.019	0.00	7.38
93.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.475	0.106	1.019	0.00	3.90
96.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.552	0.108	1.025	0.00	5.67
96.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.552	0.108	1.025	0.00	7.38
96.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.552	0.108	1.025	0.00	3.90
99.00	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.627	0.111	1.032	0.00	5.67
99.00	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.627	0.111	1.032	0.00	7.38
99.00	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.627	0.111	1.032	0.00	3.90
102.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.701	0.113	1.039	0.00	5.67
102.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.701	0.113	1.039	0.00	7.38
102.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.701	0.113	1.039	0.00	3.90
105.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.774	0.115	1.046	0.00	5.67
105.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.774	0.115	1.046	0.00	7.38
105.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.774	0.115	1.046	0.00	3.90
108.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.845	0.118	1.053	0.00	5.67
108.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.845	0.118	1.053	0.00	7.38
108.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.845	0.118	1.053	0.00	3.90
111.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.914	0.120	1.061	0.00	5.67
111.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.914	0.120	1.061	0.00	7.38
111.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.914	0.120	1.061	0.00	3.90
114.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	8.982	0.123	1.070	0.00	5.67
114.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	8.982	0.123	1.070	0.00	7.38
114.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	8.982	0.123	1.070	0.00	3.90
115.0	(3) 1 1/4" Coax	Yes	1.00	0.000	1.55	0.13	0.00	9.005	0.125	1.075	0.00	1.89
115.0	(3) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.005	0.125	1.075	0.00	2.46
115.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.005	0.125	1.075	0.00	1.30
117.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	9.049	0.127	1.080	0.00	3.78
117.0	(3) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.049	0.127	1.080	0.00	4.92
117.0	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	9.049	0.127	1.080	0.00	2.60
120.0	(3) 1 1/4" Coax	Yes	3.00	0.000	1.55	0.39	0.00	9.115	0.129	1.087	0.00	5.67
120.0	(3) 1 5/8" Coax	Yes	3.00	0.000	1.98	0.50	0.00	9.115	0.129	1.087	0.00	7.38
120.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	9.115	0.129	1.087	0.00	3.90

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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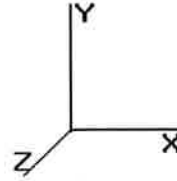
<b>Load Case:</b> 1.0D + 1.0W	<b>60.00 mph Serviceability</b>	<b>27 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

122.2	(3) 1 1/4" Coax	Yes	2.22	1.200	1.55	0.29	0.34	9.163	0.206	0.000	3.47	4.20
122.2	(1) Climbing Ladder	Yes	2.22	2.000	2.00	0.37	0.74	9.163	0.206	0.000	7.46	15.32
122.2	(3) 1 5/8" Coax	Yes	2.22	1.200	1.98	0.37	0.44	9.163	0.206	0.000	4.43	5.46
122.2	(1) 1 5/8" Hybriflex	Yes	2.22	0.000	0.00	0.00	0.00	9.163	0.206	0.000	0.00	2.89
123.0	(3) 1 1/4" Coax	Yes	0.78	1.200	1.55	0.10	0.12	9.179	0.209	0.000	1.22	1.47
123.0	(1) Climbing Ladder	Yes	0.78	2.000	2.00	0.13	0.26	9.179	0.209	0.000	2.63	5.38
123.0	(3) 1 5/8" Coax	Yes	0.78	1.200	1.98	0.13	0.15	9.179	0.209	0.000	1.56	1.92
123.0	(1) 1 5/8" Hybriflex	Yes	0.78	0.000	0.00	0.00	0.00	9.179	0.209	0.000	0.00	1.01
126.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	9.243	0.212	0.000	4.73	5.67
126.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	9.243	0.212	0.000	10.17	20.70
126.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	9.243	0.212	0.000	6.04	7.38
126.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	9.243	0.212	0.000	0.00	3.90
126.4	(3) 1 1/4" Coax	Yes	0.40	1.200	1.55	0.05	0.06	9.251	0.215	0.000	0.64	0.76
126.4	(1) Climbing Ladder	Yes	0.40	2.000	2.00	0.07	0.13	9.251	0.215	0.000	1.37	2.78
126.4	(3) 1 5/8" Coax	Yes	0.40	1.200	1.98	0.07	0.08	9.251	0.215	0.000	0.81	0.99
126.4	(1) 1 5/8" Hybriflex	Yes	0.40	0.000	0.00	0.00	0.00	9.251	0.215	0.000	0.00	0.52
129.0	(3) 1 1/4" Coax	Yes	2.60	1.200	1.55	0.34	0.40	9.305	0.215	0.000	4.12	4.91
129.0	(1) Climbing Ladder	Yes	2.60	2.000	2.00	0.43	0.87	9.305	0.215	0.000	8.86	17.92
129.0	(3) 1 5/8" Coax	Yes	2.60	1.200	1.98	0.43	0.51	9.305	0.215	0.000	5.26	6.39
129.0	(1) 1 5/8" Hybriflex	Yes	2.60	0.000	0.00	0.00	0.00	9.305	0.215	0.000	0.00	3.38
130.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.16	9.326	0.218	0.000	1.59	1.89
130.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	9.326	0.218	0.000	3.42	6.90
130.0	(3) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.326	0.218	0.000	2.03	2.46
130.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.326	0.218	0.000	0.00	1.30
132.0	(3) 1 1/4" Coax	Yes	2.00	1.200	1.55	0.26	0.31	9.366	0.221	0.000	3.19	3.78
132.0	(1) Climbing Ladder	Yes	2.00	2.000	2.00	0.33	0.67	9.366	0.221	0.000	6.87	13.80
132.0	(3) 1 5/8" Coax	Yes	2.00	1.200	1.98	0.33	0.40	9.366	0.221	0.000	4.08	4.92
132.0	(1) 1 5/8" Hybriflex	Yes	2.00	0.000	0.00	0.00	0.00	9.366	0.221	0.000	0.00	2.60
135.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	9.427	0.226	0.000	4.82	5.67
135.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	9.427	0.226	0.000	10.37	20.70
135.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	9.427	0.226	0.000	6.16	7.38
135.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	9.427	0.226	0.000	0.00	3.90
138.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	9.486	0.232	0.000	4.85	5.67
138.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	9.486	0.232	0.000	10.43	20.70
138.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	9.486	0.232	0.000	6.20	7.38
138.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	9.486	0.232	0.000	0.00	3.90
141.0	(3) 1 1/4" Coax	Yes	3.00	1.200	1.55	0.39	0.46	9.545	0.239	0.000	4.88	5.67
141.0	(1) Climbing Ladder	Yes	3.00	2.000	2.00	0.50	1.00	9.545	0.239	0.000	10.50	20.70
141.0	(3) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	9.545	0.239	0.000	6.24	7.38
141.0	(1) 1 5/8" Hybriflex	Yes	3.00	0.000	0.00	0.00	0.00	9.545	0.239	0.000	0.00	3.90
142.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.16	9.564	0.243	0.000	1.63	1.89
142.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	9.564	0.243	0.000	3.51	6.90
142.0	(3) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.564	0.243	0.000	2.08	2.46
142.0	(1) 1 5/8" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.564	0.243	0.000	0.00	1.30
144.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	9.602	0.159	1.176	0.00	3.78
144.0	(1) Climbing Ladder	Yes	2.00	0.000	2.00	0.33	0.00	9.602	0.159	1.176	0.00	13.80
146.0	(3) 1 1/4" Coax	Yes	2.00	0.000	1.55	0.26	0.00	9.640	0.162	1.185	0.00	3.78
146.0	(1) Climbing Ladder	Yes	2.00	0.000	2.00	0.33	0.00	9.640	0.162	1.185	0.00	13.80
147.0	(3) 1 1/4" Coax	Yes	1.00	1.200	1.55	0.13	0.15	9.659	0.214	0.000	1.65	1.89
147.0	(1) Climbing Ladder	Yes	1.00	2.000	2.00	0.17	0.33	9.659	0.214	0.000	3.54	6.90
149.0	(3) 1 1/4" Coax	Yes	2.00	1.200	1.55	0.26	0.31	9.696	0.214	0.000	3.31	3.78
149.0	(1) Climbing Ladder	Yes	2.00	2.000	2.00	0.33	0.67	9.696	0.214	0.000	7.11	13.80
<b>Totals:</b>											<b>171.22</b>	<b>1,054.69</b>

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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

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**Load Case:** 1.0D + 1.0W

60.00 mph Serviceability

27 Iterations

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

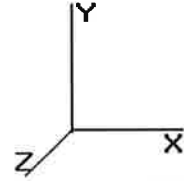
Wind Importance Factor : 1.00

**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
3.00	86.69	883.14	0.00	0.00
6.00	85.59	874.05	0.00	0.00
9.00	84.49	864.96	0.00	0.00
12.00	83.38	855.88	0.00	0.00
15.00	223.24	1,034.79	0.00	281.93
18.00	81.18	837.61	0.00	0.00
21.00	80.08	828.53	0.00	0.00
24.00	78.97	819.44	0.00	0.00
27.00	77.87	810.35	0.00	0.00
30.00	76.83	801.27	0.00	0.00
33.00	77.82	792.18	0.00	0.00
36.00	78.62	783.09	0.00	0.00
39.00	79.25	774.01	0.00	0.00
40.57	41.48	401.63	0.00	0.00
42.00	38.52	608.06	0.00	0.00
45.00	81.55	1,263.85	0.00	0.00
45.73	19.74	304.94	0.00	0.00
48.00	61.78	510.10	0.00	0.00
51.00	81.95	667.27	0.00	0.00
54.00	81.99	659.48	0.00	0.00
55.00	47.56	298.10	0.00	0.32
57.00	54.48	433.30	0.00	0.00
60.00	81.81	643.46	0.00	0.00
61.00	85.39	382.75	0.00	101.86
63.00	54.24	422.31	0.00	0.00
66.00	81.30	626.98	0.00	0.00
69.00	80.94	619.19	0.00	0.00
72.00	80.51	611.40	0.00	0.00
75.00	80.02	603.61	0.00	0.00
78.00	79.48	595.82	0.00	0.00
81.00	110.24	673.04	0.00	0.00
81.11	2.95	22.01	0.00	0.00
84.00	76.65	890.66	0.00	0.00
85.87	49.24	570.07	0.00	0.00
87.00	29.56	192.20	0.00	0.00
90.00	78.25	506.08	0.00	0.00
93.00	77.46	499.59	0.00	0.00
96.00	76.62	493.10	0.00	0.00
99.00	75.75	486.61	0.00	0.00
102.0	74.83	480.12	0.00	0.00
105.0	193.63	539.63	0.00	0.00
108.0	72.88	452.38	0.00	0.00
111.0	71.85	445.89	0.00	0.00
114.0	70.79	439.40	0.00	0.00
115.0	791.78	2,535.03	0.00	0.00
117.0	46.28	268.21	0.00	0.00
120.0	68.55	396.90	0.00	0.00
122.2	75.28	304.86	0.00	0.00
123.0	26.54	147.50	0.00	0.00

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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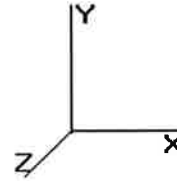
<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>27 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

126.0	101.54	560.80	0.00	0.00
126.4	13.50	74.55	0.00	0.00
129.0	86.64	260.98	0.00	0.00
130.0	677.21	2,176.22	0.00	627.68
132.0	65.68	183.37	0.00	0.00
135.0	97.46	271.82	0.00	0.00
138.0	96.03	267.92	0.00	0.00
141.0	94.56	264.03	0.00	0.00
142.0	988.38	2,684.94	0.00	0.00
144.0	39.42	145.79	0.00	0.00
146.0	38.81	144.06	0.00	0.00
147.0	22.79	113.75	0.00	0.00
149.0	1,027.31	3,084.81	0.00	0.00
150.0	37.45	105.47	0.00	136.17
153.0	44.50	269.51	0.00	0.00
155.0	138.34	812.87	0.00	533.38
<b>Totals:</b>	<b>7,965.50</b>	<b>42,375.73</b>	<b>0.00</b>	<b>1,681.33</b>



Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
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**Load Case: 1.0D + 1.0W**

60.00 mph Serviceability

27 Iterations

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

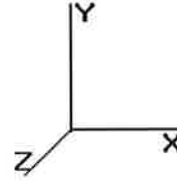
Wind Importance Factor : 1.00

**Calculated Forces**

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-42.37	-7.98	0.00	-859.11	0.00	859.11	4,665.07	2,332.54	9,536.02	4,709.48	0.00	0.00	0.192
3.00	-41.49	-7.91	0.00	-835.18	0.00	835.18	4,631.78	2,315.89	9,346.21	4,615.74	0.01	-0.03	0.190
6.00	-40.61	-7.85	0.00	-811.44	0.00	811.44	4,597.82	2,298.91	9,156.81	4,522.21	0.04	-0.07	0.188
9.00	-39.74	-7.79	0.00	-787.89	0.00	787.89	4,563.18	2,281.59	8,967.87	4,428.89	0.09	-0.10	0.187
12.00	-38.88	-7.73	0.00	-764.52	0.00	764.52	4,527.86	2,263.93	8,779.43	4,335.83	0.17	-0.13	0.185
15.00	-37.84	-7.52	0.00	-741.06	0.00	741.06	4,491.86	2,245.93	8,591.56	4,243.05	0.26	-0.17	0.183
18.00	-37.00	-7.46	0.00	-718.48	0.00	718.48	4,455.19	2,227.60	8,404.31	4,150.57	0.38	-0.20	0.181
21.00	-36.16	-7.40	0.00	-696.10	0.00	696.10	4,417.85	2,208.92	8,217.72	4,058.43	0.52	-0.24	0.180
24.00	-35.34	-7.34	0.00	-673.89	0.00	673.89	4,379.82	2,189.91	8,031.86	3,966.64	0.68	-0.27	0.178
27.00	-34.53	-7.28	0.00	-651.87	0.00	651.87	4,341.13	2,170.56	7,846.78	3,875.23	0.86	-0.31	0.176
30.00	-33.72	-7.22	0.00	-630.03	0.00	630.03	4,301.75	2,150.88	7,662.53	3,784.23	1.07	-0.35	0.174
33.00	-32.92	-7.16	0.00	-608.37	0.00	608.37	4,261.70	2,130.85	7,479.16	3,693.68	1.30	-0.38	0.172
36.00	-32.14	-7.10	0.00	-586.89	0.00	586.89	4,220.97	2,110.49	7,296.73	3,603.58	1.55	-0.42	0.170
39.00	-31.36	-7.03	0.00	-565.61	0.00	565.61	4,179.57	2,089.78	7,115.28	3,513.97	1.83	-0.46	0.168
40.57	-30.96	-6.99	0.00	-554.57	0.00	554.57	4,157.62	2,078.81	7,020.70	3,467.26	1.98	-0.47	0.167
42.00	-30.35	-6.96	0.00	-544.58	0.00	544.58	4,137.49	2,068.74	6,934.89	3,424.88	2.12	-0.49	0.166
45.00	-29.08	-6.88	0.00	-523.70	0.00	523.70	4,094.73	2,047.37	6,755.59	3,336.33	2.45	-0.53	0.164
45.73	-28.77	-6.87	0.00	-518.67	0.00	518.67	3,347.12	1,673.56	5,622.43	2,776.71	2.53	-0.54	0.195
48.00	-28.26	-6.82	0.00	-503.08	0.00	503.08	3,324.15	1,662.07	5,517.72	2,724.99	2.79	-0.57	0.193
51.00	-27.59	-6.75	0.00	-482.63	0.00	482.63	3,293.20	1,646.60	5,379.77	2,656.86	3.16	-0.61	0.190
54.00	-26.93	-6.67	0.00	-462.38	0.00	462.38	3,261.56	1,630.78	5,242.36	2,589.00	3.56	-0.65	0.187
55.00	-26.63	-6.63	0.00	-455.70	0.00	455.70	3,250.87	1,625.44	5,196.68	2,566.45	3.70	-0.67	0.186
57.00	-26.19	-6.59	0.00	-442.44	0.00	442.44	3,229.26	1,614.63	5,105.54	2,521.43	3.98	-0.70	0.184
60.00	-25.54	-6.51	0.00	-422.67	0.00	422.67	3,196.28	1,598.14	4,969.37	2,454.19	4.43	-0.74	0.180
61.00	-25.16	-6.43	0.00	-416.05	0.00	416.05	3,185.13	1,592.57	4,924.14	2,431.85	4.59	-0.75	0.179
63.00	-24.73	-6.39	0.00	-403.19	0.00	403.19	3,162.62	1,581.31	4,833.91	2,387.28	4.91	-0.78	0.177
66.00	-24.10	-6.32	0.00	-384.03	0.00	384.03	3,128.28	1,564.14	4,699.19	2,320.75	5.41	-0.82	0.173
69.00	-23.48	-6.24	0.00	-365.09	0.00	365.09	3,093.27	1,546.64	4,565.29	2,254.62	5.95	-0.87	0.170
72.00	-22.87	-6.17	0.00	-346.36	0.00	346.36	3,057.58	1,528.79	4,432.24	2,188.92	6.50	-0.91	0.166
75.00	-22.26	-6.10	0.00	-327.85	0.00	327.85	3,021.22	1,510.61	4,300.11	2,123.66	7.09	-0.95	0.162
78.00	-21.66	-6.02	0.00	-309.56	0.00	309.56	2,984.18	1,492.09	4,168.95	2,058.89	7.70	-0.99	0.158
81.00	-20.99	-5.91	0.00	-291.49	0.00	291.49	2,946.46	1,473.23	4,038.80	1,994.61	8.34	-1.04	0.153
81.11	-20.96	-5.91	0.00	-290.82	0.00	290.82	2,945.03	1,472.51	4,033.92	1,992.20	8.36	-1.04	0.153
84.00	-20.07	-5.83	0.00	-273.75	0.00	273.75	2,908.96	1,454.48	3,910.94	1,931.47	9.00	-1.08	0.149
85.87	-19.50	-5.78	0.00	-262.84	0.00	262.84	2,284.82	1,142.41	3,105.54	1,533.71	9.43	-1.11	0.180
87.00	-19.30	-5.76	0.00	-256.32	0.00	256.32	2,274.94	1,137.47	3,069.59	1,515.95	9.70	-1.12	0.178
90.00	-18.80	-5.68	0.00	-239.05	0.00	239.05	2,248.22	1,124.11	2,974.43	1,468.96	10.42	-1.17	0.171
93.00	-18.29	-5.61	0.00	-222.00	0.00	222.00	2,220.81	1,110.41	2,879.80	1,422.22	11.17	-1.21	0.164
96.00	-17.80	-5.54	0.00	-205.17	0.00	205.17	2,192.74	1,096.37	2,785.75	1,375.78	11.94	-1.26	0.157
99.00	-17.31	-5.46	0.00	-188.56	0.00	188.56	2,163.98	1,081.99	2,692.34	1,329.64	12.75	-1.31	0.150
102.00	-16.83	-5.39	0.00	-172.17	0.00	172.17	2,134.56	1,067.28	2,599.61	1,283.85	13.58	-1.35	0.142
105.00	-16.29	-5.20	0.00	-156.00	0.00	156.00	2,104.45	1,052.22	2,507.63	1,238.42	14.45	-1.39	0.134
108.00	-15.83	-5.12	0.00	-140.41	0.00	140.41	2,073.67	1,036.83	2,416.44	1,193.39	15.33	-1.43	0.125
111.00	-15.39	-5.05	0.00	-125.04	0.00	125.04	2,042.21	1,021.11	2,326.10	1,148.77	16.24	-1.47	0.116
114.00	-14.95	-4.97	0.00	-109.89	0.00	109.89	2,006.48	1,003.24	2,232.66	1,102.63	17.18	-1.51	0.107
115.00	-12.43	-4.12	0.00	-104.92	0.00	104.92	1,990.86	995.43	2,197.84	1,085.43	17.50	-1.52	0.103
117.00	-12.16	-4.07	0.00	-96.68	0.00	96.68	1,959.62	979.81	2,129.00	1,051.43	18.14	-1.54	0.098
120.00	-11.77	-4.00	0.00	-84.46	0.00	84.46	1,912.75	956.38	2,027.81	1,001.46	19.12	-1.57	0.091
122.22	-11.46	-3.92	0.00	-75.59	0.00	75.59	1,878.07	939.04	1,954.51	965.26	19.86	-1.60	0.084
123.00	-11.32	-3.89	0.00	-72.53	0.00	72.53	1,865.89	932.94	1,929.08	952.70	20.12	-1.61	0.082
126.00	-10.76	-3.78	0.00	-60.86	0.00	60.86	1,819.02	909.51	1,832.81	905.16	21.14	-1.63	0.073

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
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 Shape : 12 Sides  
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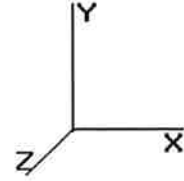
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<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>27 Iterations</b>
<b>Gust Response Factor : 1.10</b>		<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 1.00</b>		
<b>Wind Load Factor : 1.00</b>		

126.40	-10.68	-3.76	0.00	-59.34	0.00	59.34	927.93	463.97	955.72	471.99	21.27	-1.64	0.137
129.00	-10.42	-3.67	0.00	-49.57	0.00	49.57	918.88	459.44	925.49	457.06	22.17	-1.66	0.120
130.00	-8.27	-2.93	0.00	-45.27	0.00	45.27	915.26	457.63	913.82	451.30	22.52	-1.67	0.109
132.00	-8.08	-2.87	0.00	-39.40	0.00	39.40	907.79	453.90	890.46	439.76	23.22	-1.69	0.099
135.00	-7.81	-2.77	0.00	-30.80	0.00	30.80	896.03	448.02	855.37	422.43	24.30	-1.72	0.082
138.00	-7.55	-2.66	0.00	-22.50	0.00	22.50	883.59	441.80	820.26	405.10	25.39	-1.75	0.064
141.00	-7.29	-2.56	0.00	-14.51	0.00	14.51	870.48	435.24	785.20	387.78	26.49	-1.76	0.046
142.00	-4.63	-1.49	0.00	-11.95	0.00	11.95	865.96	432.98	773.54	382.02	26.86	-1.77	0.037
144.00	-4.49	-1.45	0.00	-8.97	0.00	8.97	856.69	428.34	750.24	370.52	27.60	-1.78	0.029
146.00	-4.34	-1.41	0.00	-6.07	0.00	6.07	847.12	423.56	727.02	359.05	28.35	-1.78	0.022
146.00	-4.34	-1.41	0.00	-6.07	0.00	6.07	1,188.56	594.28	742.57	366.73	28.35	-1.78	0.020
147.00	-4.23	-1.38	0.00	-4.66	0.00	4.66	1,188.56	594.28	742.57	366.73	28.72	-1.78	0.016
149.00	-1.18	-0.26	0.00	-1.90	0.00	1.90	1,188.56	594.28	742.57	366.73	29.47	-1.79	0.006
150.00	-1.08	-0.22	0.00	-1.51	0.00	1.51	1,188.56	594.28	742.57	366.73	29.84	-1.79	0.005
153.00	-0.81	-0.16	0.00	-0.86	0.00	0.86	1,188.56	594.28	742.57	366.73	30.97	-1.79	0.003
155.00	0.00	-0.14	0.00	-0.53	0.00	0.53	1,188.56	594.28	742.57	366.73	31.71	-1.79	0.001

Pole : 302495  
 Location : Tolland CT, CT  
 Height : 155.0 (ft)  
 Base Dia : 50.00 (in)  
 Top Dia : 16.00 (in)  
 Shape : 12 Sides  
 Taper : 0.210616 (in/ft)

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



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## Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	35.71	0.00	50.80	0.00	0.00	3877.73	45.73	0.86
0.9D + 1.6W	35.45	0.00	38.09	0.00	0.00	3789.38	45.73	0.83
1.2D + 1.0Di + 1.0Wi	8.11	0.00	91.57	0.00	0.00	980.15	45.73	0.24
1.0D + 1.0W	7.98	0.00	42.37	0.00	0.00	859.11	45.73	0.20

Base/Flange Plate	Plate Type	<b>Baseplate</b>
	Pole Diameter	50 in
	Pole Thickness	0.4375 in
	Plate Diameter	65 in
	Plate Thickness	2 in
	Plate Fy	60 ksi
	Weld Length	0.3125 in
Stiffeners	$\phi_s$ Resistance	970.13 k-in
	Applied	575.66 k-in
	#	<b>8</b> Show
	Thickness	0.75 in
	Length	5 in
	Height	12 in
	Chamfer	0.75 in
	Offset Angle	45°
	Fy	36 ksi

Bolts	#	<b>16</b>
	Bolt Circle (R)adial / (S)quare	59 in R
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	A615-75
	Fy	75 ksi
	Fu	100 ksi
Reinforcement	$\phi_s$ Resistance	259.82 k
	Applied	200.23 k
Extra Bolts O	#	<b>0</b>
	#	<b>0</b>

Code Rev. **G** Date **11/14/2014**  
 Engineer **J. King**  
 Site # **302495**  
 Carrier **Verizon**

Moment **3877.7 k-ft**  
 Axial **50.8 k**

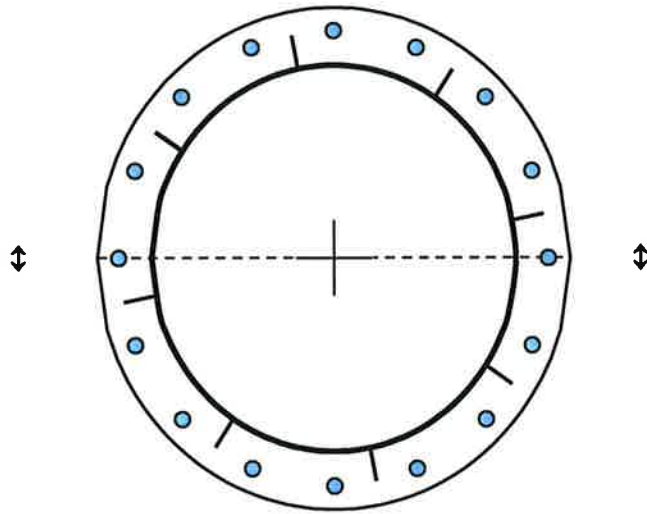


Plate Stress Ratio:

**0.59** (Pass)

Bolt Stress Ratio:

**0.77** (Pass)

Base/Flange Plate	Plate Type	<b>Flange @ 146.0 ft</b>
	Pole Diameter	16 in
	Pole Thickness	0.5 in
	Plate Diameter	28.5 in
	Plate Thickness	1 in
	Plate Fy	36 ksi
	Weld Length	0.3125 in
	$\phi_s$ Resistance	33.93 k-in
	Applied	15.51 k-in
	#	0
Stiffeners		

Code Rev. **G**

Date **11/14/2014**  
 Engineer **J. King**  
 Site # **302495**  
 Carrier **Verizon**

Moment **27.4 k-ft**  
 Axial **4.4 k**

Required Flange Thickness:  
**0.68 in** OK

Bolts	#	<b>12</b>
	Bolt Circle	25.75 in
	(R)adial / (S)quare	R
	Diameter	1 in
	Hole Diameter	1.125 in
	Type	A325
	Fy	92 ksi
	Fu	120 ksi
	$\phi_s$ Resistance	54.52 k
	Applied	3.88 k
#	0	
Reinforcement		
#	0	
Extra Bolts		

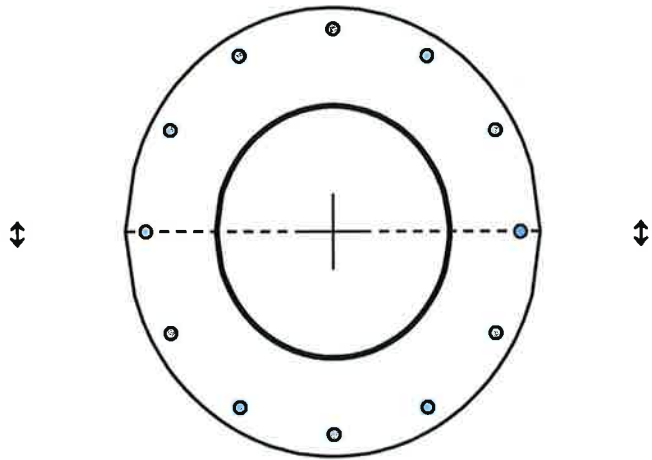


Plate Stress Ratio:  
**0.46** (Pass)

Bolt Stress Ratio:  
**0.07** (Pass)