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Also admitted in Massachusetts

April 28, 2014

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

Re: **Notice of Exempt Modification – Facility Modification
77 Pease Road, Woodbridge, Connecticut**

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains twelve (12) wireless telecommunications antennas at the 119-foot level of the existing 150-foot tower at 77 Pease Road in Woodbridge, Connecticut (the “Property”). The tower is owned by American Tower Corporation. The Council approved Cellco’s use of this tower in 2001. Cellco now intends to modify its facility by replacing nine (9) of its existing antennas with three (3) model BXA-171085-8CF, 1900 MHz antennas; three (3) model BXA-70063-6CF, 700 MHz antennas; and three (3) model BXA-171063-8BF, 2100 MHz antennas, all at the same 119-foot level on the tower. Cellco also intends to install three (3) remote radio heads (“RRHs”) behind its 2100 MHz antennas and one (1) HYBRIFLEX™ antenna cable inside the monopole. Included in Attachment 1 are specifications for Cellco’s replacement antennas, RRHs and HYBRIFLEX™ cable.

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 Ellen Scalettar, Woodbridge First Selectman. A copy of this letter is also being sent to Kenneth W. Johnson, 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).



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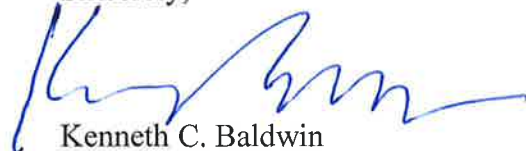
ROBINSON & COLE^{LLP}

Melanie A. Bachman
April 28, 2014
Page 2

1. The proposed modifications will not result in an increase in the height of the existing tower. The replacement antennas and RRHs will be located at the 119-foot level on the 150-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 modified facility will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included behind is included behind 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:

Ellen Scalettar, Woodbridge First Selectman
Kenneth W. Johnson
Sandy M. Carter



ATTACHMENT 1

BXA-171085-8CF-EDIN-X

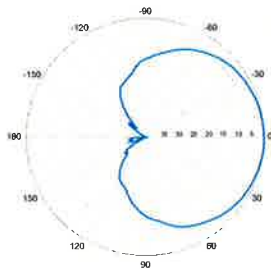
Replace "X" with desired electrical downtilt.

X-Pol | FET Panel | 85° | 16.4 dBi

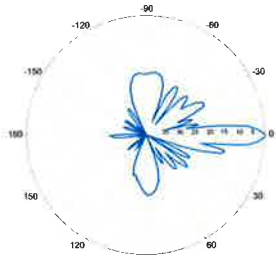
Electrical Characteristics	1710-2170 MHz		
Frequency bands	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Polarization	±45°	±45°	±45°
Horizontal beamwidth	88°	85°	80°
Vertical beamwidth	7°	7°	7°
Gain	13.5 dBd / 15.6 dBi	13.9 dBd / 16.0 dBi	14.3 dBd / 16.4 dBi
Electrical downtilt (X)	0, 2, 4		
Impedance	50Ω		
VSWR	≤1.5:1		
First upper sidelobe	< -17 dB		
Front-to-back isolation	> 30 dB		
In-band isolation	> 28 dB		
IM3 (20W carrier)	< -150 dBc		
Input power	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN / Female / Center (Back)		
Operating temperature	-40° to +60° C / -40° to +140° F		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1232 x 154 x 105 mm		48.5 x 6.1 x 4.1 in
Depth with t-brackets	133 mm		5.2 in
Weight without mounting brackets	4.8 kg		10.5 lbs
Survival wind speed	296 km/hr		184 mph
Wind area	Front: 0.19 m ² Side: 0.14 m ²	Front: 2.0 ft ² Side: 1.5 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 281 N Side: 223 N	Front: 63 lbf Side: 50 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
2-Point Mounting Bracket Kit	26799997	50-102 mm 2.0-4.0 in	2.3 kg 5 lbs
2-Point Mounting & Downtilt Bracket Kit	26799999	50-102 mm 2.0-4.0 in	3.6 kg 8 lbs
Concealment Configurations	For concealment configurations, order BXA-171085-8CF-EDIN-X-FP		



BXA-171085-8CF-EDIN-X

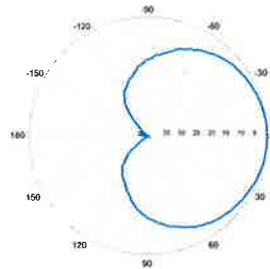


Horizontal | 1710-1880 MHz
BXA-171085-8CF-EDIN-0

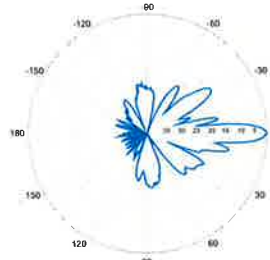


0° | Vertical | 1710-1880 MHz

BXA-171085-8CF-EDIN-X

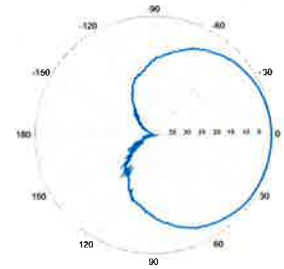


Horizontal | 1850-1990 MHz
BXA-171085-8CF-EDIN-0

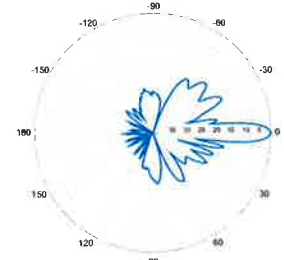


0° | Vertical | 1850-1990 MHz

BXA-171085-8CF-EDIN-X



Horizontal | 1920-2170 MHz
BXA-171085-8CF-EDIN-0



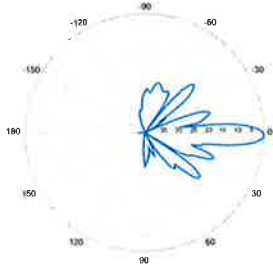
0° | Vertical | 1920-2170 MHz

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

BXA-171085-8CF-EDIN-X

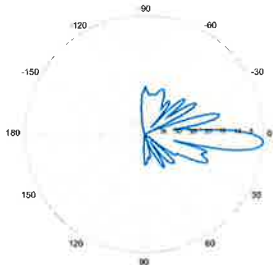
X-Pol | FET Panel | 85° | 16.4 dBi

BXA-171085-8CF-EDIN-2



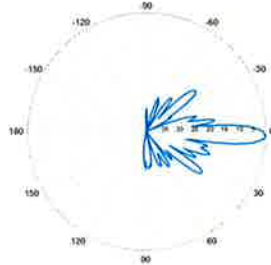
2° | Vertical | 1710-1880 MHz

BXA-171085-8CF-EDIN-4



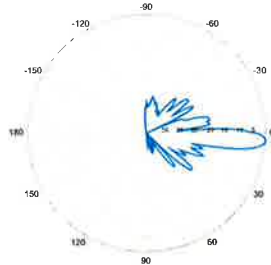
4° | Vertical | 1710-1880 MHz

BXA-171085-8CF-EDIN-2



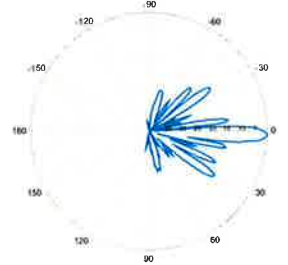
2° | Vertical | 1850-1990 MHz

BXA-171085-8CF-EDIN-4



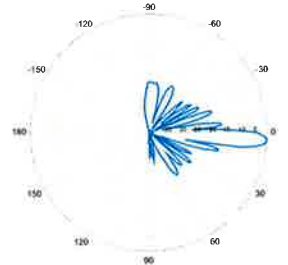
4° | Vertical | 1850-1990 MHz

BXA-171085-8CF-EDIN-2



2° | Vertical | 1920-2170 MHz

BXA-171085-8CF-EDIN-4



4° | Vertical | 1920-2170 MHz

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BXA-70063-6CF-EDIN-X

X-Pol | FET Panel | 63° | 14.5 dBd

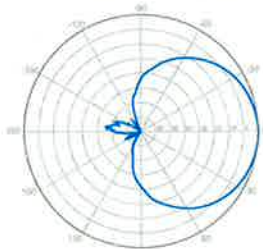
Replace 'X' with desired electrical downtilt.

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



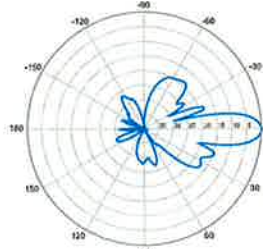
Electrical Characteristics	696-900 MHz		
Frequency bands	696-806 MHz	806-900 MHz	
Polarization	±45°		
Horizontal beamwidth	65°	63°	
Vertical beamwidth	13°	11°	
Gain	14.0 dBd (16.1 dBi)	14.5 dBd (16.6 dBi)	
Electrical downtilt (X)	0, 2, 3, 4, 5, 6, 8, 10		
Impedance	50Ω		
VSWR	≤1.35:1		
Upper sidelobe suppression (0°)	-18.3 dB	-18.2 dB	
Front-to-back ratio (+/-30°)	-33.4 dB	-36.3 dB	
Null fill	5% (-26.02 dB)		
Isolation between ports	< -25 dB		
Input power with EDIN connectors	500 W		
Input power with NE connectors	300 W		
IM3 (2x20W carriers)	< -153 dBc		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1804 x 285 x 132 mm	71.0 x 11.2 x 5.2 in	
Depth with z-brackets	172 mm	6.8 in	
Weight without mounting brackets	7.9 kg	17 lbs	
Survival wind speed	> 201 km/hr	> 125 mph	
Wind area	Front: 0.51 m ² Side: 0.24 m ²	Front: 5.5 ft ² Side: 2.6 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 759 N Side: 391 N	Front: 169 lbf Side: 89 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
3-Point Mounting & Downtilt Bracket Kit	36210008	40-115 mm 1.57-4.5 in	6.9 kg 15.2 lbs
Concealment Configurations	For concealment configurations, order BXA-70063-6CF-EDIN-X-FP		

BXA-70063-6CF-EDIN-X



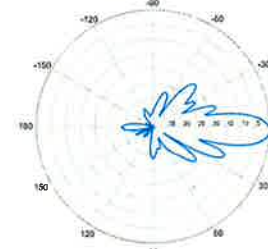
Horizontal | 750 MHz

BXA-70063-6CF-EDIN-0

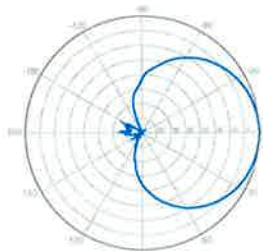


0° | Vertical | 750 MHz

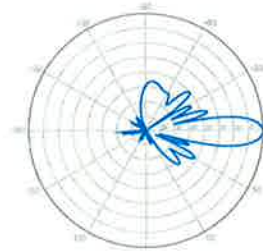
BXA-70063-6CF-EDIN-2



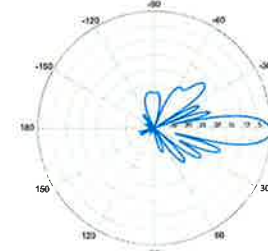
2° | Vertical | 750 MHz



Horizontal | 850 MHz



0° | Vertical | 850 MHz



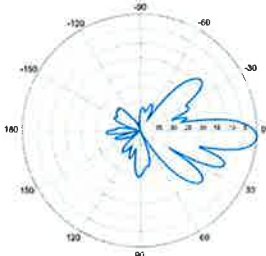
2° | Vertical | 850 MHz

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BXA-70063-6CF-EDIN-X

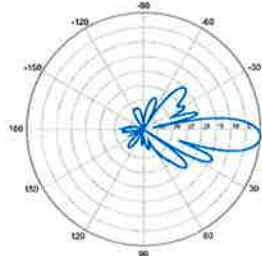
X-Pol | FET Panel | 63° | 14.5 dBd

BXA-70063-6CF-EDIN-3



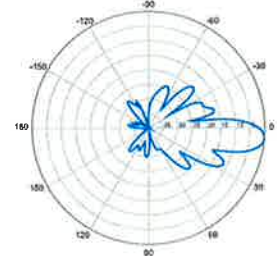
3° | Vertical | 750 MHz

BXA-70063-6CF-EDIN-4

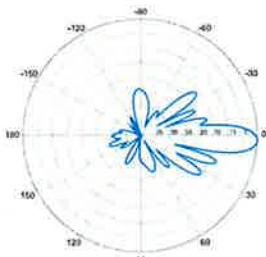


4° | Vertical | 750 MHz

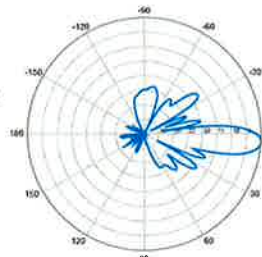
BXA-70063-6CF-EDIN-5



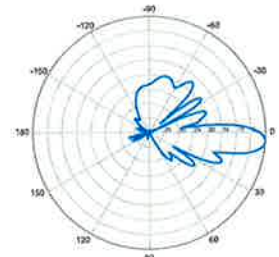
5° | Vertical | 750 MHz



3° | Vertical | 850 MHz

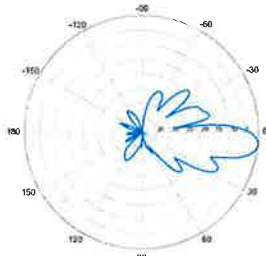


4° | Vertical | 850 MHz



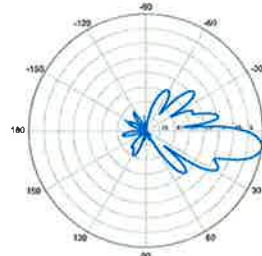
5° | Vertical | 850 MHz

BXA-70063-6CF-EDIN-6



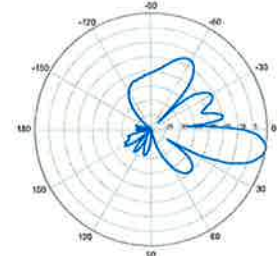
6° | Vertical | 750 MHz

BXA-70063-6CF-EDIN-8

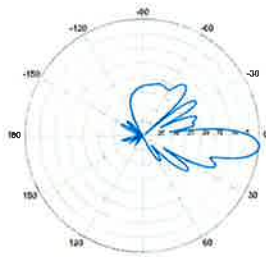


8° | Vertical | 750 MHz

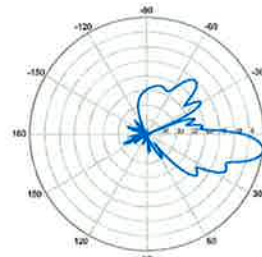
BXA-70063-6CF-EDIN-10



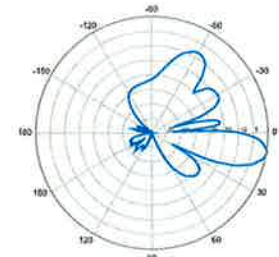
10° | Vertical | 750 MHz



6° | Vertical | 850 MHz



8° | Vertical | 850 MHz



10° | Vertical | 850 MHz

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BXA-171063-8BF-EDIN-X

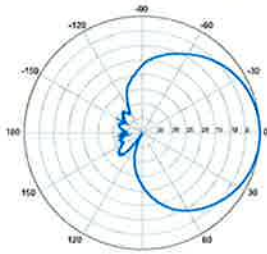
Replace "X" with desired electrical downtilt.

X-Pol | FET Panel | 63° | 17.4 dBi

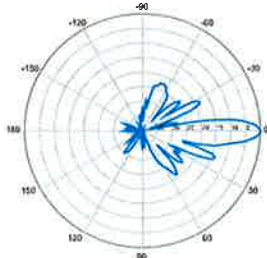
Electrical Characteristics	1710-2170 MHz			
Frequency bands	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz	
Polarization	±45°	±45°	±45°	
Horizontal beamwidth	68°	65°	60°	
Vertical beamwidth	7°	7°	7°	
Gain	14.5 dBd / 16.6 dBi	14.9 dBd / 17.0 dBi	15.3 dBd / 17.4 dBi	
Electrical downtilt (X)	0, 2, 4, 6, 8			
Impedance	50Ω			
VSWR	≤1.5:1			
First upper sidelobe	< -17 dB			
Front-to-back ratio	> 30 dB			
In-band isolation	< -25 dB			
IM3 (20W carrier)	< -150 dBc			
Input power	300 W			
Lightning protection	Direct Ground			
Connector(s)	2 Ports / EDIN / Female / Bottom			
Operating temperature	-40° to +60° C / -40° to +140° F			
Mechanical Characteristics				
Dimensions Length x Width x Depth	1225 x 154 x 105 mm	48,2 x 6,1 x 4,1 in		
Depth with t-brackets	133 mm	5,2 in		
Weight without mounting brackets	4,2 kg	9,2 lbs		
Survival wind speed	296 km/hr	184 mph		
Wind area	Front: 0,19 m ² Side: 0,14 m ²	Front: 2,0 ft ²	Side: 1,5 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 281 N Side: 223 N	Front: 63 lbf	Side: 50 lbf	
Mounting Options	Part Number	Fits Pipe Diameter		Weight
2-Point Mounting Bracket Kit	26799997	50-102 mm	2.0-4.0 in	2,3 kg 5 lbs
2-Point Mounting & Downtilt Bracket Kit	26799999	50-102 mm	2.0-4.0 in	3,6 kg 8 lbs
Concealment Configurations	For concealment configurations, order BXA-171063-8BF-EDIN-X-FP			



BXA-171063-8BF-EDIN-X

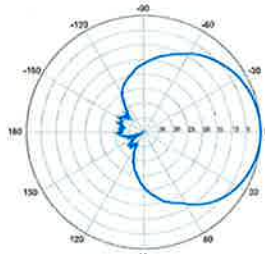


Horizontal | 1710-1880 MHz
BXA-171063-8BF-EDIN-0

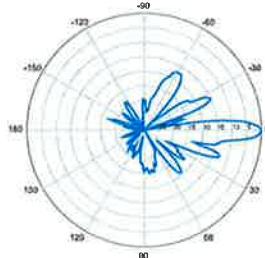


0° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-X

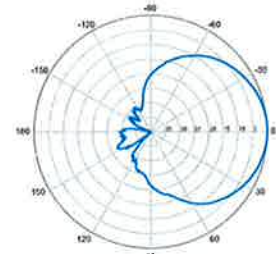


Horizontal | 1850-1990 MHz
BXA-171063-8BF-EDIN-0

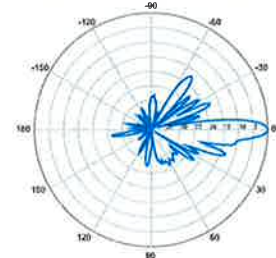


0° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-X



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



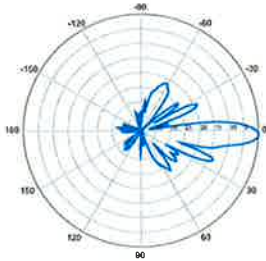
0° | Vertical | 1920-2170 MHz

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BXA-171063-8BF-EDIN-X

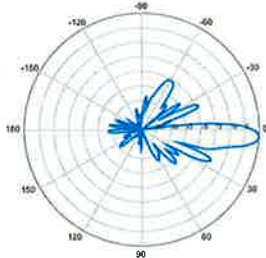
X-Pol | FET Panel | 63° | 17.4 dBi

BXA-171063-8BF-EDIN-2



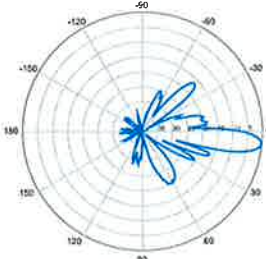
2° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-4



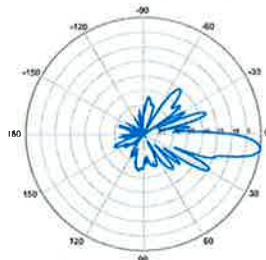
4° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-6



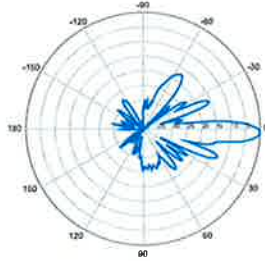
6° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-8



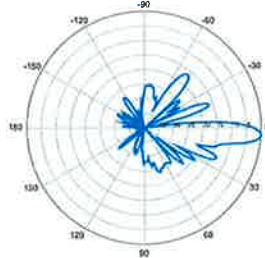
8° | Vertical | 1710-1880 MHz

BXA-171063-8BF-EDIN-2



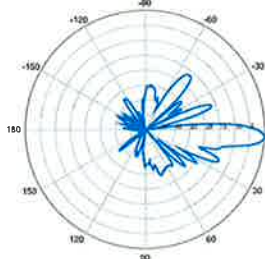
2° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-4



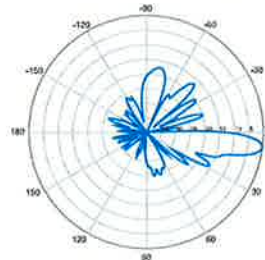
4° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-6



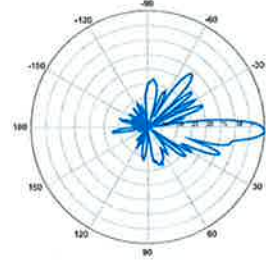
6° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-8



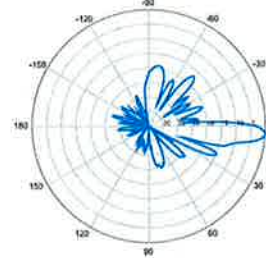
8° | Vertical | 1850-1990 MHz

BXA-171063-8BF-EDIN-2



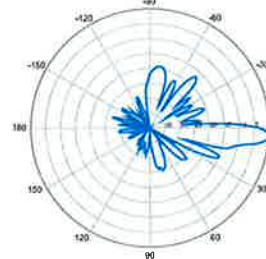
2° | Vertical | 1920-2170 MHz

BXA-171063-8BF-EDIN-4



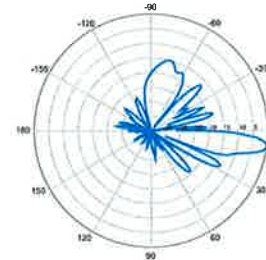
4° | Vertical | 1920-2170 MHz

BXA-171063-8BF-EDIN-6



6° | Vertical | 1920-2170 MHz

BXA-171063-8BF-EDIN-8



8° | Vertical | 1920-2170 MHz

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

Alcatel-Lucent RRH2x40-07-U

REMOTE RADIO HEAD

The Alcatel-Lucent RRH2x40-07-U is a high-power, small form-factor Remote Radio Head (RRH) operating in the North American Digital Dividend / 700MHz frequency band (3GPP Band 13). The Alcatel-Lucent RRH2x40-07-U is designed with an eco-efficient approach, providing operators with the means to achieve high quality and capacity coverage with minimum site requirements.



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

The Alcatel-Lucent RRH2x40-07-U is linked to the BBU by an optical-fiber connection carrying downlink and uplink digital radio signals along with operations, administration and maintenance (OA&M) information. The Alcatel-Lucent RRH2x40-07-U has two transmit RF paths, 40 W RF output power per transmit path, and is designed to manage up to two-way receive diversity. The device is ideally suited to support macro coverage, with multiple-input multiple-output (MIMO) 2x2 operation in up to 10 MHz of bandwidth.

The Alcatel-Lucent RRH2x40-07-U is designed to make available all the benefits of a distributed eNodeB, with excellent RF characteristics, with low

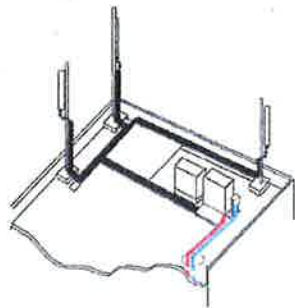
capital expenditures (CAPEX) and low operating expenditures (OPEX). The limited space available in some sites may prevent the installation of traditional single-cabinet BTS equipment or require costly cranes to be employed, leaving coverage holes. However, many of these sites can host an Alcatel-Lucent RRH2x40-07-U installation, providing more flexible site selection and improved network quality along with greatly reduced installation time and costs.

Fast, low-cost installation and deployment

The Alcatel-Lucent RRH2x40-07-U is a zero-footprint solution and operates noise-free, simplifying negotiations with site property owners and minimizing environmental impacts. Installation can easily be done by a single person because the Alcatel-Lucent RRH2x40-07-U is compact and weighs less than 23 kg (50 lb), eliminating the need for a crane to hoist the BTS cabinet to the rooftop. A site can be in operation in less than one day — a fraction of the time required for a traditional BTS.

Excellent RF performance

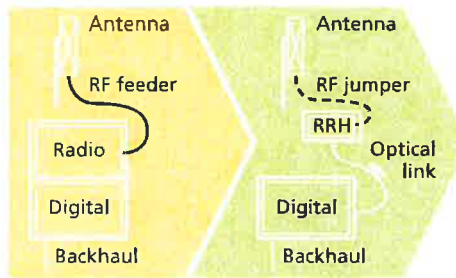
Because of its small size and weight, the Alcatel-Lucent RRH2x40-07-U can be installed close to the antenna. Operators can therefore locate the Alcatel-Lucent RRH2x40-07-U where RF engineering is deemed ideal, minimizing trade-offs between available sites and RF optimum sites. The RF feeder cost and installation costs are reduced or eliminated, and there is no need for a Tower Mounted Amplifier (TMA) because losses introduced by the RF feeder are greatly reduced. The Alcatel-Lucent RRH2x40-07-U provides more RF power while at the same time consuming less electricity.



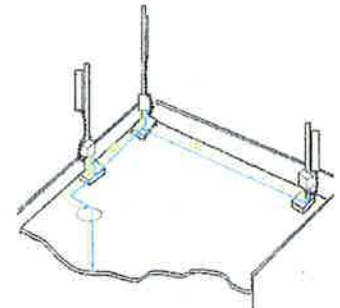
Macro

Features

- Zero-footprint deployment
- Easy installation, with a lightweight unit can be carried and set up by one person
- Optimized RF power, with flexible site selection and elimination of a TMA
- Convection-cooled (fanless), noise-free, and heaterless unit
- Best-in-class power efficiency, with significantly reduced energy consumption



RRH for space-constrained cell sites



Distributed

Benefits

- Leverages existing real estate with lower site costs
- Reduces installation costs, with fewer installation materials and simplified logistics
- Decreases power costs and minimizes environmental impacts, with the potential for eco-sustainable power options
- Improves RF performance and adds flexibility to network planning

Technical specifications

Physical dimensions

- Height: 390 mm (15.4 in.)
- Width: 380 mm (15 in.)
- Depth: 210 mm (8.2 in.)
- Weight (without mounting kit): less than 23 kg (50 lb)

Power

- Power supply: -48V

Operating environment

- Outdoor temperature range:
 - With solar load: -40°C to +50°C (-40°F to +122°F)
 - Without solar load: -40°C to +55°C (-40°F to +131°F)
- Passive convection cooling (no fans)

- Enclosure protection
 - IP65 (International Protection rating)

RF characteristics

- Frequency band: 700 MHz; 3GPP Band 13
- Bandwidth: up to 10 MHz
- RF output power at antenna port:
 - 40 W nominal RF power for each Tx port
- Rx diversity: 2-way or 4-way
- Noise figure: below 2.5 dB typical
- ALD features
 - TMA
 - Remote electrical tilt (RET) support (AISG v2.0)

Optical characteristics

Type/number of fibers

- Up to 3.12 Gb/s line bit rate
- Single-mode variant
 - One SM fiber (9/125 μm) per RRH2x, carrying UL and DL using CWDM (at 1550/1310 nm)
- Multi-mode variant
 - Two MM fibers (50/125 μm) per RRH2x: one carrying UL, the other carrying DL (at 850 nm)

Optical fiber length

- Up to 500 m (0.31 mi), using MM fiber
- Up to 20 km (12.43 mi), using SM fiber

Alarms and ports

- Six external alarms
- Two optical ports to support daisy-chaining

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

Product Description

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

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

Features/Benefits

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

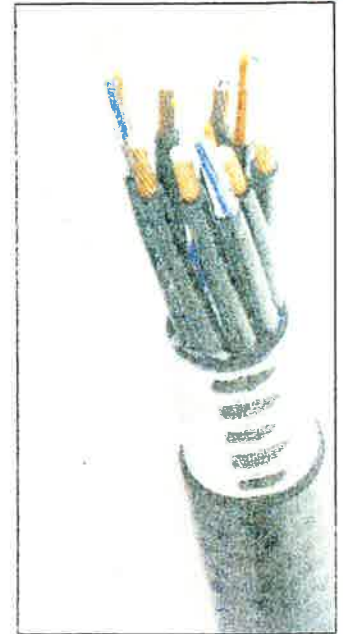


Figure 1: HYBRIFLEX Series

Technical Specifications

Outer Conductor Armor	Corrugated Aluminum	[mm (in)]	46.5 (1.83)
Jacket	Polyethylene, PE	[mm (in)]	50.3 (1.98)
UV-Protection	Individual and External Jacket		Yes
Mechanical Properties			
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)
Electrical Properties			
DC-Resistance Outer Conductor Armor		[Ω/km (Ω/1000ft)]	068 (0.255)
DC-Resistance Power Cable, 8.4mm ² (8AWG)		[Ω/km (Ω/1000ft)]	2.1 (0.307)
Other Specifications			
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
DC Power Cable Properties			
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
Environmental			
Installation Temperature		[°C (°F)]	-40 to +65 (-40 to 149)
Operation Temperature		[°C (°F)]	-40 to +65 (-40 to 149)

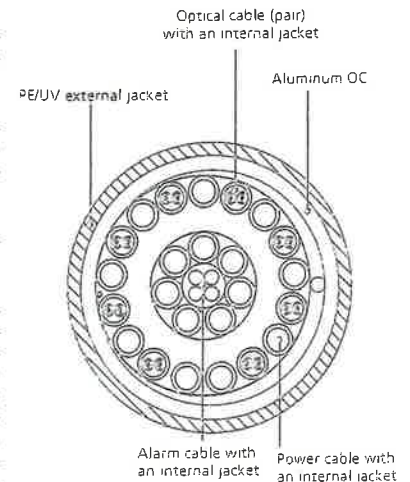


Figure 2: Construction Detail

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

* This data is provisional and subject to change

ATTACHMENT 2

Site Name: Woodbridge S 2 Tower Height: 150Ft		General		Power		Density							
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total					
*AT&T UMTS	2	982	155	0.0294	880	0.5867	5.01%						
*AT&T UMTS	2	1355	155	0.0406	1900	1.0000	4.06%						
*AT&T GSM	4	813	155	0.0487	1900	1.0000	4.87%						
*AT&T GSM	1	491	155	0.0073	880	0.5867	1.25%						
*AT&T LTE	1	1313	155	0.0197	734	0.4893	4.02%						
*MetroPCS CDMA	3	727	130	0.0464	2135	1.0000	4.64%						
*MetroPCS LTE	1	1200	130	0.0255	2130	1.0000	2.55%						
Verizon	7	265	120	0.0463	1970	1.0000	4.63%						
Verizon	9	286	120	0.0643	869	0.5793	11.09%						
Verizon	1	1265	120	0.0316	2145	1.0000	3.16%						
Verizon	1	835	120	0.0208	698	0.4653	4.48%						49.76%
* Source: Siting Council													

ATTACHMENT 3



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 150 ft Monopole
ATC Site Name : Woodbridge CT 1, CT
ATC Site Number : 302480
Engineering Number : 54869521
Proposed Carrier : Verizon
Carrier Site Name : N/A
Carrier Site Number : N/A
Site Location : 77 Pease Road
Woodbridge, CT 06525-2044
41.341444,-72.993600
County : New Haven
Date : April 15, 2014
Max Usage : 94%
Result : Pass



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



Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 150 ft monopole to reflect the change in loading by Verizon.

Supporting Documents

Tower Drawings	Smith Cullum Acquisition #CT-0016, dated May 15, 2001 AT&T SPEC #AT-8935, dated April 13, 1984
Foundation Drawing	Mapping By ATC PIT ID#302480, dated April 1, 2009
Geotechnical Report	Johnson Soil Job#15220, dated May 20, 2002
Modifications	SPECTRASITE Drawings #CT-0016-EI, dated September 19, 2002 ATC Project #40430532, dated May 29, 2007 ATC Project #42299235, dated November 18, 2008 ATC Project #44303434, dated January 18, 2010 ATC Project #447950F2, dated April 2, 2010

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.

Basic Wind Speed:	105 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
Structure Class:	II
Exposure Category:	B
Topographic Category:	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. Please include the American Tower site name, site number, and engineering number in the subject line for any questions.



Existing and Reserved Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
157.0	166.0	1	15' Omni	Flush	-	USA Mobility
154.0	160.0	1	8' Dipole	Flush	-	
148.0	153.0	6	Powerwave LGP13519	Platform w/ Handrails	(16) 1 5/8" Coax (2) 0.78" 8 AWG 6 (1) 3" Conduit (1) 0.39" Fiber	AT&T Mobility
		6	TMA-DD1900			
		1	Raycap DC6-48-60-18-8F			
		6	Ericsson RRUS 11 (Band 12)			
		6	Allgon 7770.00			
		3	KMW AM-X-CD-16-65-00T-RET			
		1	7' Omni			USA Mobility
130.0	130.0	3	RFS APXV18-206517S-C-A20	Flush	(6) 1 5/8" Coax	Metro PCS
119.0	119.0	6	PCS1900 Dual Duplex	T-Arms	(12) 1 5/8" Coax	Verizon
		3	Antel BXA-80063/4CF			
39.0	39.0	1	GPS	Stand-off	(1) 1/2" Coax	AT&T Mobility

Equipment to be Removed

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
119.0	119.0	1	Andrew LNX-6514DS-T4M	Low Profile Platform	(9) 1 5/8" Coax	Verizon Wireless
		6	Antel LPA-185080/8CF ___ 2°			
		2	Powerwave Allgon P65-16-XL-2			

Proposed Equipment

Elevation ¹ (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
119.0	119.0	6	RFS FD9R6004/1C-3L	T-Arms	(1) 1 5/8" Hybriflex	Verizon
		3	Alcatel-Lucent RRH2x40-AWS			
		3	Antel BXA-171063-8BF-EDIN-X			
		3	Antel BXA-171085-8CF-EDIN-X			
		1	RFS DB-T1-6Z-8AB-0Z			
		3	Antel BXA-70063/6CF			

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

Install proposed coax inside the pole shaft.



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	67%	Pass
Shaft	92%	Pass
Base Plate	48%	Pass
Flanges	94%	Pass
Reinforcement	83%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	2,486.8
Axial (Kips)	51.5
Shear (Kips)	26.5

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

Deflection and Sway*

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
119.0	1.324	1.504

*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:

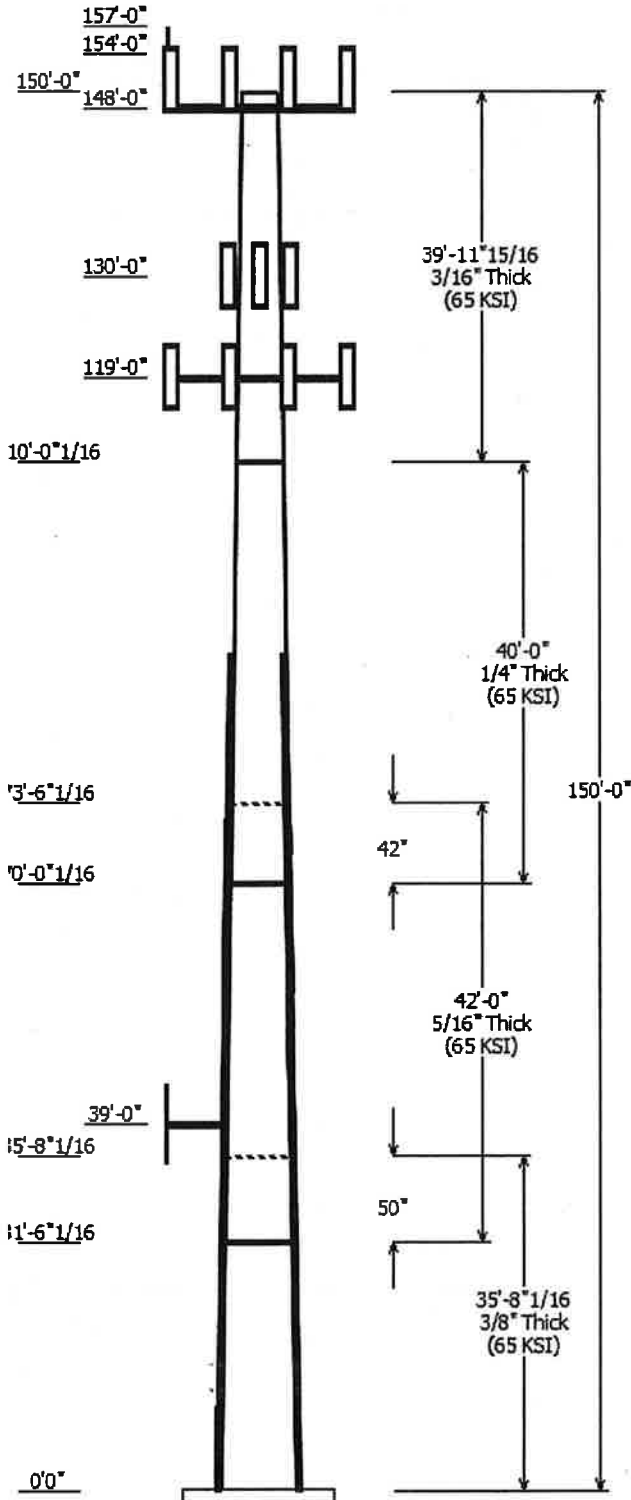
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements 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 :	302480
Code :	ANSI/TIA-222 Rev G
Description :	150 ft ITT Meyer Monopole
Client :	Verizon Wireless
Struct Class :	II
Location :	Woodbridge CT 1, CT
Shape :	12 Sides
Exposure :	B
Height :	150.00 (ft)
Topo :	1
Base Elev (ft):	0.00
Taper:	0.15670(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)	
		Across Top	Flats Bottom					
1	35.670	31.79	37.38	0.375	0.000	0.156707	65	
2	42.000	26.48	33.06	0.313 Slip Joint	50.000	0.156707	65	
3	40.000	21.26	27.53	0.250 Slip Joint	42.000	0.156707	65	
4	39.997	15.00	21.26	0.188 Butt Joint	0.000	0.156707	65	

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
157.000	166.000	1	15' Omni	
154.000	160.000	1	8' Dipole	
148.000	153.000	3	KMW AM-X-CD-16-65-00T-RET	
148.000	153.000	1	Raycap DC6-48-60-18-8F	
148.000	153.000	6	TMA-DD1900	
148.000	148.000	1	Flat Platform w/ Handrails	
148.000	153.000	1	7' Omni	
148.000	153.000	6	Allgon 7770.00	
148.000	153.000	6	Powerwave LGP13519	
148.000	153.000	6	Ericsson RRUS 11 (Band 12)	
130.000	130.000	3	RFS APXV18-206517S-C-A20	
119.000	119.000	3	Antel BXA-70063/6CF	
119.000	119.000	1	RFS DB-T1-6Z-8AB-0Z	
119.000	119.000	3	Antel BXA-171085-8CF-EDIN-X	
119.000	119.000	3	Antel BXA-171063-8BF-EDIN-X	
119.000	119.000	3	Alcatel-Lucent RRH2x40-AWS	
119.000	119.000	6	PCS1900 Dual Duplex	
119.000	119.000	6	RFS FD9R6004/1C-3L	
119.000	119.000	3	Round T-Arm	
119.000	119.000	3	Antel BXA-80063/4CF	
39.000	39.000	1	GPS	
39.000	39.000	1	Stand-off	

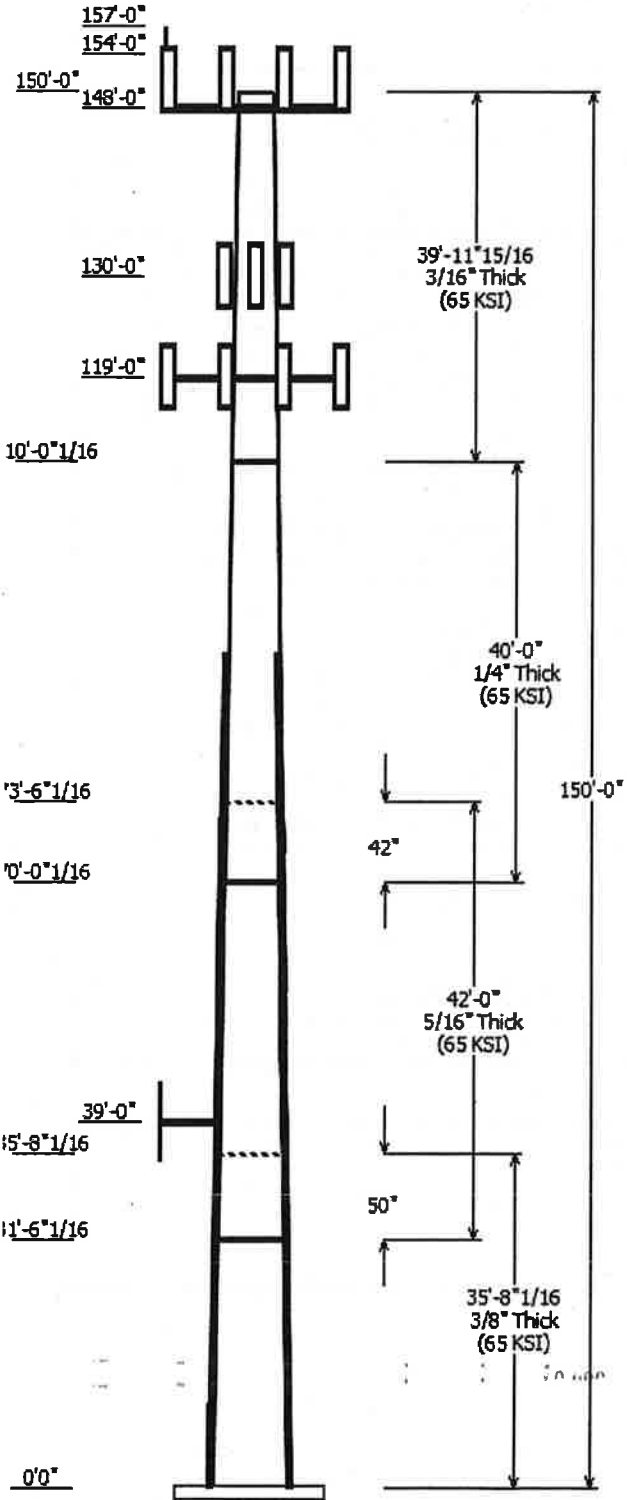
Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
33.000	81.000	Reinf.	Yes
0.000	94.000	#20	Yes
0.000	119.0	1 5/8" Coax	No
0.000	119.0	1 5/8" Hybriflex	No
0.000	130.0	1 5/8" Coax	No
0.000	148.0	0.39" Fiber	No
0.000	148.0	0.78" 8 AWG 6	No
0.000	148.0	1 5/8" Coax	No
0.000	148.0	1 5/8" Coax	No
0.000	148.0	3" Conduit	No
0.000	39.000	1/2" Coax	No

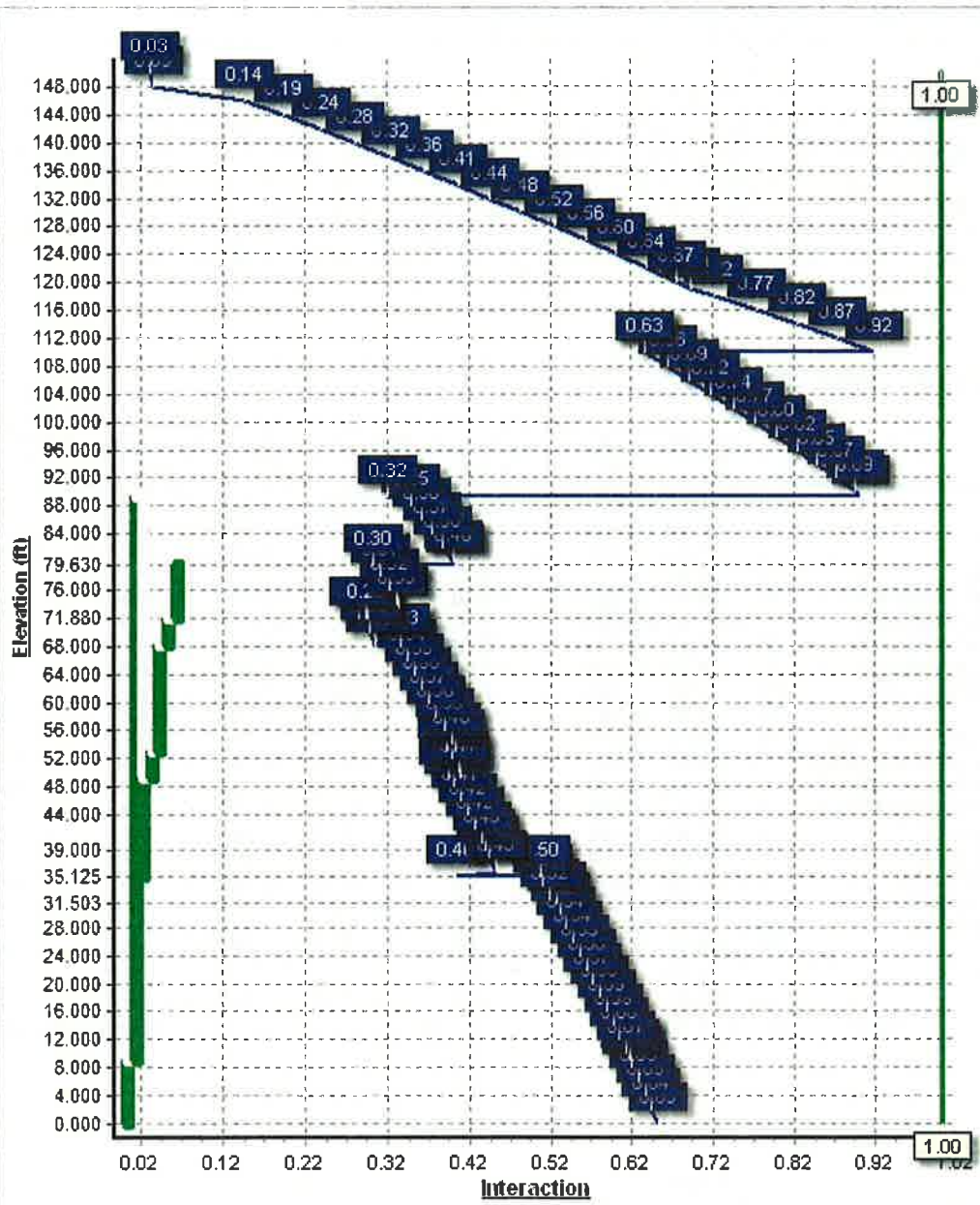
Load Cases

1.2D + 1.6W	105.00 mph with No Ice
0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 In Radial Ice
1.0D + 1.0W	60.00 mph Serviceability

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	2486.81	26.48	35.93
0.9D + 1.6W	2459.42	26.23	29.04
1.2D + 1.0Di + 1.0Wi	518.46	5.16	51.51
1.0D + 1.0W	515.66	5.55	31.36

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
	0.00	0.000	0.000

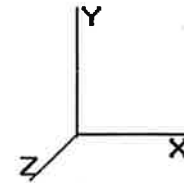




Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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	35.670	0.3750	65	Slip	0.00	5,014	37.38	0.00	44.68	7810.1	24.03	99.68	31.79	35.67	37.93	4778.5	20.04	84.77	0.156707	
2-12	42.000	0.3130	65	Slip	50.00	4,244	33.06	31.50	33.01	4521.3	25.63	105.65	26.48	73.50	26.38	2306.9	20.00	84.62	0.156707	
3-12	40.000	0.2500	65	Slip	42.00	2,646	27.53	70.00	21.97	2087.4	26.83	110.14	21.26	110.00	16.92	954.0	20.12	85.07	0.156707	
4-12	39.997	0.1880	65	Butt	0.00	1,479	21.26	110.00	12.76	723.8	27.63	113.13	15.00	150.00	8.97	251.1	18.70	79.79	0.156707	
Shaft Weight						13,383														

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		
157.00	15' Omni	1	40.00	4.500	1.00	238.00	9.924	1.00	0.000	9.000
154.00	8' Dipole	1	25.00	3.010	1.00	114.55	7.679	1.00	0.000	6.000
148.00	7' Omni	1	25.00	2.100	1.00	119.76	3.720	1.00	0.000	5.000
148.00	Allgon 7770.00	6	35.00	5.510	0.77	64.28	7.431	0.77	0.000	5.000
148.00	Ericsson RRUS 11 (Band 12)	6	55.00	2.520	0.50	135.27	3.164	0.50	0.000	5.000
148.00	Flat Platform w/ Handrails	1	2000.00	45.000	1.00	3,422.17	67.274	1.00	0.000	0.000
148.00	KMW AM-X-CD-16-65-00T-	3	48.50	8.020	0.79	237.02	9.313	0.79	0.000	5.000
148.00	Powerwave LGP13519	6	5.30	0.340	0.50	20.32	0.561	0.50	0.000	5.000
148.00	Raycap DC6-48-60-18-8F	1	31.80	1.470	1.00	124.60	2.852	1.00	0.000	5.000
148.00	TMA-DD1900	6	10.40	0.590	0.50	31.70	0.828	0.50	0.000	5.000
130.00	RFS APXV18-206517S-C-A20	3	26.40	5.170	0.80	141.89	6.390	0.82	0.000	0.000
119.00	Alcatel-Lucent RRH2x40-AWS	3	44.00	2.160	0.50	115.42	2.788	0.50	0.000	0.000
119.00	Antel BXA-171063-8BF-EDIN-X	3	10.50	2.940	0.87	91.33	3.786	0.87	0.000	0.000
119.00	Antel BXA-171085-8CF-EDIN-X	3	10.50	2.940	0.87	91.33	3.786	0.87	0.000	0.000
119.00	Antel BXA-70063/6CF	3	17.00	7.570	0.75	179.57	8.788	0.75	0.000	0.000
119.00	Antel BXA-80063/4CF	3	9.90	4.710	0.76	55.46	6.291	0.76	0.000	0.000
119.00	PCS1900 Dual Duplex	6	20.00	0.910	0.50	50.32	1.344	0.50	0.000	0.000
119.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	4.800	1.00	183.87	5.652	1.00	0.000	0.000
119.00	RFS FD9R6004/1C-3L	6	3.10	0.370	0.50	15.79	0.574	0.50	0.000	0.000
119.00	Round T-Arm	3	250.00	9.700	0.67	454.63	17.772	0.67	0.000	0.000
39.00	GPS	1	10.00	1.000	0.50	42.20	0.882	0.50	0.000	0.000
39.00	Stand-off	1	150.00	5.200	1.00	214.06	7.579	1.00	0.000	0.000
Totals		68	4349.00			10,465.26			Number of Loadings :	22

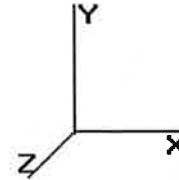
Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	148.00	(1) 0.39" Fiber	0.00	N
0.00	148.00	(2) 0.78" 8 AWG 6	0.00	N
0.00	148.00	(12) 1 5/8" Coax	0.00	N
0.00	148.00	(4) 1 5/8" Coax	0.00	N
0.00	148.00	(1) 3" Conduit	0.00	N
0.00	130.00	(6) 1 5/8" Coax	0.00	N
0.00	119.00	(12) 1 5/8" Coax	0.00	N
0.00	119.00	(1) 1 5/8" Hybriflex	0.00	N
0.00	94.00	(4) #20 Reinforcement	7.50	Y
33.00	81.00	(4) Reinf.	2.00	Y

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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 39.00 (1) 1/2" Coax 0.00 N

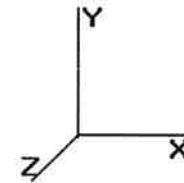
Additional Steel

Elev		Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —		Spacing (in)	Len (in)	Connectors	Continuation?
From (ft)	To (ft)					Description	Len (in)				
0.00	9.00	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	39.0	0.00	5/8" A36 U-Bolt	No	
9.00	89.44	4	SOL #20 All Thread	80	2.19	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	Yes	
35.13	49.38	4	PL PL 4" x 1"	50	0.00	5/8" Hollo Bolt	9.00	3.00	5/8" Hollo Bolt	No	
49.38	53.13	4	PL PL 4" x 1"	50	1.00	5/8" Hollo Bolt	15.0	3.00	5/8" Hollo Bolt	No	
53.13	68.13	4	PL PL 4" x 1"	50	0.00	5/8" Hollo Bolt	18.0	3.00	5/8" Hollo Bolt	No	
68.13	71.88	4	PL PL 4" x 1"	50	1.00	5/8" Hollo Bolt	15.0	3.00	5/8" Hollo Bolt	No	
71.88	79.63	4	PL PL 4" x 1"	50	0.00	5/8" Hollo Bolt	18.0	3.00	5/8" Hollo Bolt	No	

Pole : 302480
 Location : Woodbridge CT 1, CT
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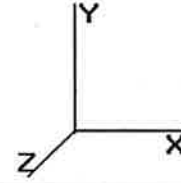
Segment Properties (Max Len : 2 ft)

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)	Additional Reinforcing		
											Area (in^2)	Ix (in^4)	Weight (lb)
0.00		0.3750	37.380	44.684	7,810.1	24.03	99.68	78.5	403.6	0.0	19.64	4,958	0.0
2.00		0.3750	37.067	44.305	7,613.3	23.81	98.84	78.8	396.8	302.8	19.64	4,887	133.6
4.00		0.3750	36.753	43.927	7,419.9	23.58	98.01	79.0	390.0	300.2	19.64	4,816	133.6
6.00		0.3750	36.440	43.548	7,229.7	23.36	97.17	79.2	383.3	297.7	19.64	4,746	133.6
8.00		0.3750	36.126	43.170	7,042.9	23.13	96.34	79.5	376.6	295.1	19.64	4,676	133.6
9.00	Reinf. Top Reinf	0.3750	35.970	42.981	6,950.7	23.02	95.92	79.6	373.3	146.6	19.64	4,642	66.8
10.00		0.3750	35.813	42.791	6,859.3	22.91	95.50	79.7	370.0	145.9	19.64	4,607	66.8
12.00		0.3750	35.500	42.413	6,678.9	22.69	94.67	80.0	363.5	289.9	19.64	4,538	133.6
14.00		0.3750	35.186	42.034	6,501.7	22.46	93.83	80.2	357.0	287.4	19.64	4,470	133.6
16.00		0.3750	34.873	41.656	6,327.7	22.24	92.99	80.5	350.5	284.8	19.64	4,403	133.6
18.00		0.3750	34.559	41.278	6,156.8	22.01	92.16	80.7	344.2	282.2	19.64	4,335	133.6
20.00		0.3750	34.246	40.899	5,989.0	21.79	91.32	80.9	337.8	279.6	19.64	4,269	133.6
22.00		0.3750	33.932	40.521	5,824.3	21.57	90.49	81.2	331.6	277.1	19.64	4,203	133.6
24.00		0.3750	33.619	40.142	5,662.6	21.34	89.65	81.4	325.4	274.5	19.64	4,137	133.6
26.00		0.3750	33.306	39.764	5,503.9	21.12	88.82	81.7	319.2	271.9	19.64	4,072	133.6
28.00		0.3750	32.992	39.385	5,348.3	20.89	87.98	81.9	313.2	269.3	19.64	4,007	133.6
30.00		0.3750	32.679	39.007	5,195.6	20.67	87.14	81.9	307.1	266.8	19.64	3,943	133.6
31.50	Bot - Section 2	0.3750	32.443	38.722	5,082.7	20.50	86.52	81.9	302.7	198.8	19.64	3,896	100.4
32.00		0.3750	32.365	38.628	5,045.8	20.45	86.31	81.9	301.2	121.1	19.64	4,007	33.2
34.00		0.3750	32.052	38.250	4,899.0	20.22	85.47	81.9	295.3	484.7	19.64	3,943	133.6
35.13	Reinf Bottom	0.3750	31.876	38.037	4,817.6	20.10	85.00	81.9	292.0	270.5	19.64	3,907	75.1
35.67	Top - Section 1	0.3130	32.416	32.356	4,256.3	25.07	103.57	77.4	253.7	130.5	35.64	6,135	66.1
36.00		0.3130	32.365	32.303	4,235.8	25.03	103.40	77.4	252.8	36.3	35.64	6,117	40.0
38.00		0.3130	32.051	31.988	4,112.7	24.76	102.40	77.7	247.9	218.8	35.64	6,013	242.5
39.00		0.3130	31.894	31.830	4,052.1	24.62	101.90	77.9	245.4	108.6	35.64	5,961	121.2
40.00		0.3130	31.738	31.672	3,992.1	24.49	101.40	78.0	243.0	108.0	35.64	5,909	121.2
42.00		0.3130	31.424	31.356	3,873.8	24.22	100.40	78.3	238.1	214.5	35.64	5,806	242.5
44.00		0.3130	31.111	31.040	3,757.9	23.95	99.40	78.6	233.4	212.3	35.64	5,704	242.5
46.00		0.3130	30.797	30.724	3,644.4	23.69	98.39	78.9	228.6	210.2	35.64	5,603	242.5
48.00		0.3130	30.484	30.408	3,533.1	23.42	97.39	79.2	223.9	208.0	35.64	5,503	242.5
49.38	Reinf. Top Reinf	0.3130	30.269	30.191	3,458.0	23.23	96.70	79.4	220.7	141.8	35.64	5,435	166.7
50.00		0.3130	30.171	30.092	3,424.2	23.15	96.39	79.5	219.3	64.1	31.14	5,079	75.8
52.00		0.3130	29.857	29.776	3,317.5	22.88	95.39	79.8	214.6	203.7	31.14	4,990	242.5
53.13	Reinf. Top Reinf	0.3130	29.680	29.598	3,258.2	22.73	94.82	79.9	212.1	114.2	31.14	4,939	137.0
54.00		0.3130	29.544	29.461	3,213.0	22.61	94.39	80.1	210.1	87.4	31.14	4,717	105.5
56.00		0.3130	29.230	29.145	3,110.7	22.34	93.39	80.3	205.6	199.4	31.14	4,631	242.5
58.00		0.3130	28.917	28.829	3,010.7	22.08	92.39	80.6	201.1	197.3	31.14	4,546	242.5
60.00		0.3130	28.604	28.513	2,912.8	21.81	91.39	80.9	196.7	195.1	31.14	4,461	242.5
62.00		0.3130	28.290	28.197	2,817.1	21.54	90.38	81.2	192.4	193.0	31.14	4,378	242.5
64.00		0.3130	27.977	27.881	2,723.5	21.27	89.38	81.5	188.1	190.8	31.14	4,295	242.5
66.00		0.3130	27.663	27.565	2,631.9	21.00	88.38	81.8	183.8	188.7	31.14	4,213	242.5
68.00		0.3130	27.350	27.249	2,542.5	20.73	87.38	81.9	179.6	186.5	31.14	4,131	242.5
68.13	Reinf. Top Reinf	0.3130	27.330	27.229	2,536.7	20.72	87.31	81.9	179.3	12.0	31.14	4,126	15.8
70.00		0.3130	27.037	26.934	2,455.1	20.47	86.38	81.9	175.4	172.3	35.64	4,694	226.7
70.00	Bot - Section 3	0.3130	27.036	26.933	2,454.9	20.47	86.38	81.9	175.4	0.3	35.64	4,694	0.4
71.88	Reinf. Top Reinf	0.3130	26.742	26.637	2,374.8	20.21	85.44	81.9	171.6	310.6	35.64	4,755	227.5
72.00		0.3130	26.723	26.618	2,369.7	20.20	85.38	81.9	171.3	19.7	35.64	4,516	14.5
73.50	Top - Section 2	0.2500	26.988	21.524	1,964.0	26.25	107.95	76.1	140.6	246.1	35.64	4,448	182.3
74.00		0.2500	26.910	21.461	1,946.9	26.16	107.64	76.2	139.8	36.3	35.64	4,426	60.2
76.00		0.2500	26.596	21.209	1,879.1	25.83	106.39	76.5	136.5	145.2	35.64	4,337	242.5
78.00		0.2500	26.283	20.956	1,812.8	25.49	105.13	76.9	133.2	143.5	35.64	4,249	242.5
79.63	Reinf. Top ...	0.2500	26.027	20.751	1,760.0	25.22	104.11	77.2	130.6	115.7	35.64	4,178	197.6
80.00		0.2500	25.969	20.704	1,748.1	25.15	103.88	77.3	130.0	26.1	19.64	2,696	24.7
82.00		0.2500	25.656	20.452	1,685.0	24.82	102.62	77.6	126.9	140.0	19.64	2,644	133.6
84.00		0.2500	25.343	20.200	1,623.4	24.48	101.37	78.0	123.7	138.3	19.64	2,592	133.6
86.00		0.2500	25.029	19.947	1,563.3	24.15	100.12	78.4	120.7	136.6	19.64	2,540	133.6
88.00		0.2500	24.716	19.695	1,504.7	23.81	98.86	78.7	117.6	134.9	19.64	2,489	133.6
89.44	Reinf. Top	0.2500	24.490	19.513	1,463.5	23.57	97.96	79.0	115.4	96.1	19.64	2,706	108.9

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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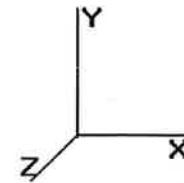
90.00		0.2500	24.402	19.443	1,447.6	23.47	97.61	79.1	114.6	37.1
92.00		0.2500	24.089	19.190	1,392.0	23.14	96.36	79.5	111.6	131.5
94.00		0.2500	23.776	18.938	1,337.8	22.80	95.10	79.8	108.7	129.7
96.00		0.2500	23.462	18.686	1,285.1	22.47	93.85	80.2	105.8	128.0
98.00		0.2500	23.149	18.433	1,233.7	22.13	92.59	80.6	103.0	126.3
100.0		0.2500	22.835	18.181	1,183.8	21.80	91.34	80.9	100.1	124.6
102.0		0.2500	22.522	17.929	1,135.2	21.46	90.09	81.3	97.4	122.9
104.0		0.2500	22.208	17.677	1,087.9	21.12	88.83	81.7	94.6	121.2
106.0		0.2500	21.895	17.424	1,042.0	20.79	87.58	81.9	91.9	119.4
108.0		0.2500	21.582	17.172	997.4	20.45	86.33	81.9	89.3	117.7
110.0		0.2500	21.268	16.920	954.1	20.12	85.07	81.9	86.7	116.0
110.0	Top - Section 3	0.2500	21.268	16.919	954.0	20.12	85.07	81.9	86.7	0.2
110.0	Bot - Section 4	0.1880	21.268	12.761	723.8	27.63	113.13	74.6	65.7	
112.0		0.1880	20.955	12.571	692.0	27.19	111.46	75.1	63.8	86.1
114.0		0.1880	20.641	12.382	661.1	26.74	109.79	75.6	61.9	84.9
116.0		0.1880	20.328	12.192	631.2	26.29	108.13	76.0	60.0	83.6
118.0		0.1880	20.015	12.002	602.2	25.85	106.46	76.5	58.1	82.3
119.0		0.1880	19.858	11.907	588.0	25.62	105.63	76.8	57.2	40.7
120.0		0.1880	19.701	11.813	574.1	25.40	104.79	77.0	56.3	40.4
122.0		0.1880	19.388	11.623	546.9	24.95	103.13	77.5	54.5	79.7
124.0		0.1880	19.074	11.433	520.5	24.51	101.46	78.0	52.7	78.5
126.0		0.1880	18.761	11.243	495.0	24.06	99.79	78.5	51.0	77.2
128.0		0.1880	18.448	11.054	470.4	23.61	98.13	79.0	49.3	75.9
130.0		0.1880	18.134	10.864	446.6	23.17	96.46	79.4	47.6	74.6
132.0		0.1880	17.821	10.674	423.6	22.72	94.79	79.9	45.9	73.3
134.0		0.1880	17.507	10.484	401.4	22.27	93.12	80.4	44.3	72.0
136.0		0.1880	17.194	10.295	380.0	21.83	91.46	80.9	42.7	70.7
138.0		0.1880	16.880	10.105	359.4	21.38	89.79	81.4	41.1	69.4
140.0		0.1880	16.567	9.915	339.5	20.93	88.12	81.9	39.6	68.1
142.0		0.1880	16.254	9.725	320.4	20.49	86.46	81.9	38.1	66.8
144.0		0.1880	15.940	9.536	302.0	20.04	84.79	81.9	36.6	65.5
146.0		0.1880	15.627	9.346	284.3	19.59	83.12	81.9	35.2	64.3
148.0		0.1880	15.313	9.156	267.4	19.15	81.45	81.9	33.7	63.0
150.0		0.1880	15.000	8.967	251.1	18.70	79.79	81.9	32.3	61.7

13,383.0

8,410.3

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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	105.00 mph with No Ice	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

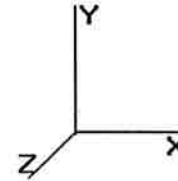
Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (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	18.769	20.64	283.30	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0	
2.00		1.00	0.70	18.769	20.64	280.92	1.284	*	0.000	2.00	6.423	8.25	272.4	0.0	497.0
4.00		1.00	0.70	18.769	20.64	278.55	1.289	*	0.000	2.00	6.369	8.21	271.1	0.0	493.9
6.00		1.00	0.70	18.769	20.64	276.17	1.294	*	0.000	2.00	6.315	8.17	269.9	0.0	490.8
8.00		1.00	0.70	18.769	20.64	273.80	1.299	*	0.000	2.00	6.260	8.13	268.6	0.0	487.7
9.00	Reinf. Top Reinf Bottom	1.00	0.70	18.769	20.64	272.61	1.200	*	0.000	1.00	3.110	3.73	123.3	0.0	242.7
10.00		1.00	0.70	18.769	20.64	271.42	1.200	*	0.000	1.00	3.096	3.72	122.7	0.0	241.9
12.00		1.00	0.70	18.769	20.64	269.05	1.200	*	0.000	2.00	6.152	7.38	243.9	0.0	481.5
14.00		1.00	0.70	18.769	20.64	266.67	1.200	*	0.000	2.00	6.098	7.32	241.7	0.0	478.4
16.00		1.00	0.70	18.769	20.64	264.30	1.200	*	0.000	2.00	6.044	7.25	239.6	0.0	475.3
18.00		1.00	0.70	18.769	20.64	261.92	1.200	*	0.000	2.00	5.990	7.19	237.4	0.0	472.2
20.00		1.00	0.70	18.769	20.64	259.55	1.200	*	0.000	2.00	5.936	7.12	235.3	0.0	469.2
22.00		1.00	0.70	18.769	20.64	257.17	1.200	*	0.000	2.00	5.882	7.06	233.2	0.0	466.1
24.00		1.00	0.70	18.769	20.64	254.79	1.200	*	0.000	2.00	5.828	6.99	231.0	0.0	463.0
26.00		1.00	0.70	18.769	20.64	252.42	1.200	*	0.000	2.00	5.774	6.93	228.9	0.0	459.9
28.00		1.00	0.70	18.769	20.64	250.04	1.200	*	0.000	2.00	5.720	6.86	226.7	0.0	456.8
30.00		1.00	0.70	18.785	20.66	247.77	1.200	*	0.000	2.00	5.666	6.80	224.8	0.0	453.7
31.50	Bot - Section 2	1.00	0.71	19.049	20.95	247.71	1.200	*	0.000	1.50	4.223	5.07	169.9	0.0	339.0
32.00		1.00	0.71	19.134	21.04	247.67	1.200	*	0.000	0.50	1.415	1.70	57.2	0.0	178.5
34.00		1.00	0.72	19.469	21.41	247.41	1.200	*	0.000	2.00	5.665	6.80	233.0	0.0	463.0
35.13	Reinf Bottom	1.00	0.73	19.651	21.61	247.19	1.200	*	0.000	1.13	3.163	3.80	131.3	0.0	399.8
35.67	Top - Section 1	1.00	0.73	19.737	21.71	247.07	1.200	*	0.000	0.54	1.526	1.83	63.6	0.0	222.7
36.00		1.00	0.73	19.789	21.76	251.87	1.200	*	0.000	0.33	0.922	1.11	38.5	0.0	83.6
38.00		1.00	0.75	20.097	22.10	251.36	1.200	*	0.000	2.00	5.557	6.67	235.9	0.0	505.0
39.00	Appertunance(s)	1.00	0.75	20.247	22.27	251.06	1.200	*	0.000	1.00	2.758	3.31	118.0	0.0	251.5
40.00		1.00	0.76	20.394	22.43	250.73	1.200	*	0.000	1.00	2.745	3.29	118.2	0.0	250.9
42.00		1.00	0.77	20.680	22.74	249.99	1.200	*	0.000	2.00	5.449	6.54	238.0	0.0	499.9
44.00		1.00	0.78	20.957	23.05	249.15	1.200	*	0.000	2.00	5.395	6.47	238.8	0.0	497.3
46.00		1.00	0.79	21.225	23.34	248.21	1.200	*	0.000	2.00	5.341	6.41	239.4	0.0	494.7
48.00		1.00	0.80	21.485	23.63	247.18	1.200	*	0.000	2.00	5.287	6.34	239.9	0.0	492.1
49.38	Reinf. Top Reinf Bottom	1.00	0.80	21.659	23.82	246.43	1.200	*	0.000	1.38	3.603	4.32	164.8	0.0	336.8
50.00		1.00	0.81	21.737	23.91	246.07	1.200	*	0.000	0.63	1.629	1.96	74.8	0.0	152.7
52.00		1.00	0.82	21.982	24.18	244.89	1.200	*	0.000	2.00	5.179	6.21	240.4	0.0	487.0
53.13	Reinf. Top Reinf Bottom	1.00	0.82	22.117	24.32	244.18	1.200	*	0.000	1.13	2.902	3.48	135.6	0.0	274.0
54.00		1.00	0.82	22.220	24.44	243.63	1.200	*	0.000	0.87	2.223	2.67	104.3	0.0	210.4
56.00		1.00	0.83	22.452	24.69	242.30	1.200	*	0.000	2.00	5.071	6.08	240.4	0.0	481.8
58.00		1.00	0.84	22.678	24.94	240.90	1.200	*	0.000	2.00	5.017	6.02	240.3	0.0	479.2
60.00		1.00	0.85	22.899	25.18	239.45	1.200	*	0.000	2.00	4.962	5.95	240.0	0.0	476.6
62.00		1.00	0.86	23.114	25.42	237.94	1.200	*	0.000	2.00	4.908	5.89	239.6	0.0	474.1
64.00		1.00	0.87	23.325	25.65	236.37	1.200	*	0.000	2.00	4.854	5.83	239.1	0.0	471.5
66.00		1.00	0.87	23.531	25.88	234.75	1.200	*	0.000	2.00	4.800	5.76	238.6	0.0	468.9
68.00		1.00	0.88	23.733	26.10	233.08	1.200	*	0.000	2.00	4.746	5.70	237.9	0.0	466.3
68.13	Reinf. Top Reinf Bottom	1.00	0.88	23.746	26.12	232.97	1.200	*	0.000	0.13	0.307	0.37	15.4	0.0	30.2
70.00		1.00	0.89	23.930	26.32	231.37	1.200	*	0.000	1.87	4.385	5.26	221.6	0.0	433.5
70.00	Bot - Section 3	1.00	0.89	23.930	26.32	231.37	1.200	*	0.000	0.00	0.008	0.01	0.4	0.0	0.8
71.88	Reinf. Top Reinf Bottom	1.00	0.89	24.112	26.52	229.72	1.200	*	0.000	1.88	4.434	5.32	225.8	0.0	600.2
72.00		1.00	0.90	24.123	26.53	229.61	1.200	*	0.000	0.12	0.282	0.34	14.4	0.0	38.2
73.50	Top - Section 2	1.00	0.90	24.266	26.69	228.26	1.200	*	0.000	1.50	3.515	4.22	180.2	0.0	477.6
74.00		1.00	0.90	24.313	26.74	232.12	1.200	*	0.000	0.50	1.155	1.39	59.3	0.0	103.8
76.00		1.00	0.91	24.499	26.94	230.29	1.200	*	0.000	2.00	4.616	5.54	238.8	0.0	416.7
78.00		1.00	0.92	24.681	27.15	228.42	1.200	*	0.000	2.00	4.562	5.47	237.8	0.0	414.7

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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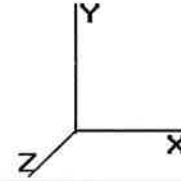
Load Case: 1.2D + 1.6W	105.00 mph with No Ice	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

79.63	Reinf. Top	1.00	0.92	24.828	27.31	226.87	1.200	* 0.000	1.63	3.678	4.41	192.9	0.0	336.4
80.00		1.00	0.92	24.861	27.34	226.52	1.200	* 0.000	0.37	0.830	1.00	43.6	0.0	56.0
82.00		1.00	0.93	25.037	27.54	224.58	1.200	* 0.000	2.00	4.454	5.34	235.5	0.0	301.7
84.00		1.00	0.94	25.210	27.73	222.60	1.200	* 0.000	2.00	4.400	5.28	234.3	0.0	299.6
86.00		1.00	0.94	25.380	27.91	220.58	1.200	* 0.000	2.00	4.346	5.21	232.9	0.0	297.5
88.00		1.00	0.95	25.547	28.10	218.54	1.200	* 0.000	2.00	4.292	5.15	231.6	0.0	295.5
89.44	Reinf. Top	1.00	0.95	25.666	28.23	217.05	1.200	* 0.000	1.44	3.057	3.67	165.7	0.0	224.2
90.00		1.00	0.95	25.711	28.28	216.46	1.200	* 0.000	0.56	1.181	1.42	64.1	0.0	44.5
92.00		1.00	0.96	25.873	28.46	214.35	1.200	* 0.000	2.00	4.183	5.02	228.6	0.0	157.8
94.00		1.00	0.97	26.033	28.63	212.22	1.200	* 0.000	2.00	4.129	4.96	227.0	0.0	155.7
96.00		1.00	0.97	26.190	28.80	210.05	1.000	0.000	2.00	4.075	4.08	187.9	0.0	153.6
98.00		1.00	0.98	26.345	28.97	207.85	1.000	0.000	2.00	4.021	4.02	186.5	0.0	151.6
100.0		1.00	0.98	26.497	29.14	205.63	1.000	0.000	2.00	3.967	3.97	185.0	0.0	149.5
102.0		1.00	0.99	26.648	29.31	203.38	1.000	0.000	2.00	3.913	3.91	183.5	0.0	147.4
104.0		1.00	0.99	26.796	29.47	201.11	1.000	0.000	2.00	3.859	3.86	182.0	0.0	145.4
106.0		1.00	1.00	26.942	29.63	198.81	1.000	0.000	2.00	3.805	3.80	180.4	0.0	143.3
108.0		1.00	1.01	27.086	29.79	196.49	1.000	0.000	2.00	3.751	3.75	178.8	0.0	141.3
110.0		1.00	1.01	27.229	29.95	194.15	1.000	0.000	2.00	3.697	3.70	177.2	0.0	139.2
110.0	Top - Section 3	1.00	1.01	27.229	29.95	194.14	1.000	0.000	0.00	0.006	0.01	0.3	0.0	0.2
112.0		1.00	1.02	27.369	30.10	191.78	1.000	0.000	2.00	3.637	3.64	175.2	0.0	103.3
114.0		1.00	1.02	27.508	30.25	189.39	1.000	0.000	2.00	3.589	3.59	173.7	0.0	101.9
116.0		1.00	1.03	27.645	30.41	186.98	1.000	0.000	2.00	3.535	3.53	172.0	0.0	100.3
118.0		1.00	1.03	27.780	30.55	184.54	1.000	0.000	2.00	3.480	3.48	170.2	0.0	98.8
119.0	Appertunance(s)	1.00	1.03	27.847	30.63	183.32	1.000	0.000	1.00	1.720	1.72	84.3	0.0	48.8
120.0		1.00	1.04	27.914	30.70	182.09	1.000	0.000	1.00	1.706	1.71	83.8	0.0	48.4
122.0		1.00	1.04	28.046	30.85	179.62	1.000	0.000	2.00	3.372	3.37	166.5	0.0	95.7
124.0		1.00	1.05	28.177	30.99	177.12	1.000	0.000	2.00	3.318	3.32	164.6	0.0	94.1
126.0		1.00	1.05	28.306	31.13	174.61	1.000	0.000	2.00	3.264	3.26	162.6	0.0	92.6
128.0		1.00	1.06	28.434	31.27	172.08	1.000	0.000	2.00	3.210	3.21	160.6	0.0	91.0
130.0	Appertunance(s)	1.00	1.06	28.560	31.41	169.53	1.000	0.000	2.00	3.156	3.16	158.6	0.0	89.5
132.0		1.00	1.07	28.685	31.55	166.97	1.000	0.000	2.00	3.102	3.10	156.6	0.0	87.9
134.0		1.00	1.07	28.808	31.68	164.38	1.000	0.000	2.00	3.048	3.05	154.5	0.0	86.4
136.0		1.00	1.07	28.930	31.82	161.78	1.000	0.000	2.00	2.994	2.99	152.4	0.0	84.8
138.0		1.00	1.08	29.051	31.95	159.17	1.000	0.000	2.00	2.940	2.94	150.3	0.0	83.3
140.0		1.00	1.08	29.171	32.08	156.53	1.000	0.000	2.00	2.886	2.89	148.2	0.0	81.7
142.0		1.00	1.09	29.289	32.21	153.88	1.000	0.000	2.00	2.832	2.83	146.0	0.0	80.2
144.0		1.00	1.09	29.407	32.34	151.22	1.000	0.000	2.00	2.777	2.78	143.8	0.0	78.7
146.0		1.00	1.10	29.523	32.47	148.54	1.000	0.000	2.00	2.723	2.72	141.5	0.0	77.1
148.0	Appertunance(s)	1.00	1.10	29.638	32.60	145.84	1.000	0.000	2.00	2.669	2.67	139.2	0.0	75.6
150.0	Appertunance(s)	1.00	1.11	29.752	32.72	143.13	1.000	0.000	2.00	2.615	2.62	136.9	0.0	74.0
* = Cf Adjusted By Linear Load Ra Effect									Totals:	150.00		15,841.1	0.0	24,469.9

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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	105.00 mph with No Ice	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

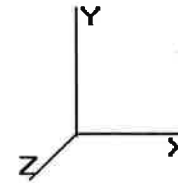
Discrete Appurtenance Segment Forces (Factored)

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)
39.00	Stand-off	1	20.247	22.272	1.00	1.00	5.20	0.000	0.000	185.30	0.00	0.00	180.00
39.00	GPS	1	20.247	22.272	0.50	1.00	0.50	0.000	0.000	17.82	0.00	0.00	12.00
119.0	Antel BXA-80063/4CF	3	27.847	30.632	0.76	0.80	8.59	0.000	0.000	421.06	0.00	0.00	35.64
119.0	Round T-Arm	3	27.847	30.632	0.67	0.75	14.62	0.000	0.000	716.68	0.00	0.00	900.00
119.0	RFS FD9R6004/1C-3L	6	27.847	30.632	0.50	0.80	0.89	0.000	0.000	43.52	0.00	0.00	22.32
119.0	PCS1900 Dual Duplex	6	27.847	30.632	0.50	0.80	2.18	0.000	0.000	107.04	0.00	0.00	144.00
119.0	Alcatel-Lucent RRH2x	3	27.847	30.632	0.50	0.80	2.59	0.000	0.000	127.04	0.00	0.00	158.40
119.0	Antel BXA-171063-8BF	3	27.847	30.632	0.87	0.80	6.14	0.000	0.000	300.87	0.00	0.00	37.80
119.0	Antel BXA-171085-8CF	3	27.847	30.632	0.87	0.80	6.14	0.000	0.000	300.87	0.00	0.00	37.80
119.0	RFS DB-T1-6Z-8AB-0Z	1	27.847	30.632	1.00	0.80	3.84	0.000	0.000	188.20	0.00	0.00	52.80
119.0	Antel BXA-70063/6CF	3	27.847	30.632	0.75	0.80	13.63	0.000	0.000	667.83	0.00	0.00	61.20
130.0	RFS APXV18-206517S-	3	28.560	31.416	0.80	0.80	9.93	0.000	0.000	498.95	0.00	0.00	95.04
148.0	Ericsson RRUS 11 (Ba	6	29.921	32.913	0.50	0.75	5.67	0.000	5.000	298.58	0.00	1,492.92	396.00
148.0	Powerwave LGP13519	6	29.921	32.913	0.50	0.75	0.76	0.000	5.000	40.29	0.00	201.43	38.16
148.0	Allgon 7770.00	6	29.921	32.913	0.77	0.75	19.09	0.000	5.000	1,005.40	0.00	5,026.98	252.00
148.0	7' Omni	1	29.921	32.913	1.00	0.75	1.57	0.000	5.000	82.94	0.00	414.70	30.00
148.0	Flat Platform w/ Han	1	29.638	32.602	1.00	1.00	45.00	0.000	0.000	2,347.32	0.00	0.00	2,400.00
148.0	TMA-DD1900	6	29.921	32.913	0.50	0.75	1.33	0.000	5.000	69.91	0.00	349.53	74.88
148.0	Raycap DC6-48-60-18-	1	29.921	32.913	1.00	0.75	1.10	0.000	5.000	58.06	0.00	290.29	38.16
148.0	KMW AM-X-CD-16-65-	3	29.921	32.913	0.79	0.75	14.26	0.000	5.000	750.70	0.00	3,753.50	174.60
157.0	15' Omni	1	30.626	33.688	1.00	1.00	4.50	0.000	9.000	242.56	0.00	3,880.91	48.00
154.0	8' Dipole	1	30.305	33.336	1.00	1.00	3.01	0.000	6.000	160.55	0.00	1,605.46	30.00
										8,631.47			5,218.80

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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 105.00 mph with No Ice 31 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

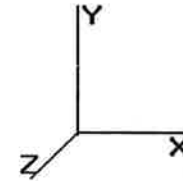
Linear Appurtenance Segment Forces (Factored)

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)
2.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	18.769	0.195	1.284	0.00	0.00
4.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	18.769	0.196	1.289	0.00	0.00
6.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	18.769	0.198	1.294	0.00	0.00
8.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	18.769	0.200	1.299	0.00	0.00
9.00	(4) #20 Reinforcement	Yes	1.00	0.699	7.50	0.63	0.44	18.769	0.201	0.000	14.44	0.00
10.00	(4) #20 Reinforcement	Yes	1.00	0.699	7.50	0.63	0.44	18.769	0.202	0.000	14.44	0.00
12.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.203	0.000	28.88	0.00
14.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.205	0.000	28.88	0.00
16.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.207	0.000	28.88	0.00
18.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.209	0.000	28.88	0.00
20.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.211	0.000	28.88	0.00
22.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.213	0.000	28.88	0.00
24.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.214	0.000	28.88	0.00
26.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.216	0.000	28.88	0.00
28.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.219	0.000	28.88	0.00
30.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.785	0.221	0.000	28.89	0.00
31.50	(4) #20 Reinforcement	Yes	1.50	0.694	7.50	0.94	0.65	19.049	0.222	0.000	21.87	0.00
32.00	(4) #20 Reinforcement	Yes	0.50	0.693	7.50	0.31	0.22	19.134	0.224	0.000	7.24	0.00
34.00	(4) #20 Reinforcement	Yes	2.00	0.687	7.50	1.25	0.86	19.469	0.255	0.000	29.41	0.00
34.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	19.469	0.255	0.000	11.42	0.00
35.13	(4) #20 Reinforcement	Yes	1.13	0.684	7.50	0.70	0.48	19.651	0.287	0.000	16.62	0.00
35.13	(4) Reinf.	Yes	1.13	2.000	2.00	0.19	0.38	19.651	0.287	0.000	12.97	0.00
35.67	(4) #20 Reinforcement	Yes	0.54	0.682	7.50	0.34	0.23	19.737	0.288	0.000	8.07	0.00
35.67	(4) Reinf.	Yes	0.54	2.000	2.00	0.09	0.18	19.737	0.288	0.000	6.31	0.00
36.00	(4) #20 Reinforcement	Yes	0.33	0.681	7.50	0.21	0.14	19.789	0.283	0.000	4.89	0.00
36.00	(4) Reinf.	Yes	0.33	2.000	2.00	0.06	0.11	19.789	0.283	0.000	3.83	0.00
38.00	(4) #20 Reinforcement	Yes	2.00	0.676	7.50	1.25	0.84	20.097	0.285	0.000	29.88	0.00
38.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	20.097	0.285	0.000	23.58	0.00
39.00	(4) #20 Reinforcement	Yes	1.00	0.673	7.50	0.63	0.42	20.247	0.287	0.000	15.00	0.00
39.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	20.247	0.287	0.000	11.88	0.00
40.00	(4) #20 Reinforcement	Yes	1.00	0.671	7.50	0.63	0.42	20.394	0.288	0.000	15.05	0.00
40.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	20.394	0.288	0.000	11.96	0.00
42.00	(4) #20 Reinforcement	Yes	2.00	0.666	7.50	1.25	0.83	20.680	0.291	0.000	30.31	0.00
42.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	20.680	0.291	0.000	24.26	0.00
44.00	(4) #20 Reinforcement	Yes	2.00	0.662	7.50	1.25	0.83	20.957	0.293	0.000	30.52	0.00
44.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	20.957	0.293	0.000	24.59	0.00
46.00	(4) #20 Reinforcement	Yes	2.00	0.658	7.50	1.25	0.82	21.225	0.296	0.000	30.71	0.00
46.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	21.225	0.296	0.000	24.90	0.00
48.00	(4) #20 Reinforcement	Yes	2.00	0.654	7.50	1.25	0.82	21.485	0.299	0.000	30.90	0.00
48.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	21.485	0.299	0.000	25.21	0.00
49.38	(4) #20 Reinforcement	Yes	1.38	0.651	7.50	0.86	0.56	21.659	0.302	0.000	21.33	0.00
49.38	(4) Reinf.	Yes	1.38	2.000	2.00	0.23	0.46	21.659	0.302	0.000	17.47	0.00
50.00	(4) #20 Reinforcement	Yes	0.63	0.650	7.50	0.39	0.25	21.737	0.304	0.000	9.71	0.00
50.00	(4) Reinf.	Yes	0.63	2.000	2.00	0.10	0.21	21.737	0.304	0.000	7.97	0.00
52.00	(4) #20 Reinforcement	Yes	2.00	0.646	7.50	1.25	0.81	21.982	0.306	0.000	31.25	0.00
52.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	21.982	0.306	0.000	25.79	0.00
53.13	(4) #20 Reinforcement	Yes	1.13	0.644	7.50	0.71	0.46	22.117	0.308	0.000	17.71	0.00
53.13	(4) Reinf.	Yes	1.13	2.000	2.00	0.19	0.38	22.117	0.308	0.000	14.66	0.00
54.00	(4) #20 Reinforcement	Yes	0.87	0.643	7.50	0.54	0.35	22.220	0.310	0.000	13.67	0.00
54.00	(4) Reinf.	Yes	0.87	2.000	2.00	0.14	0.29	22.220	0.310	0.000	11.34	0.00
56.00	(4) #20 Reinforcement	Yes	2.00	0.639	7.50	1.25	0.80	22.452	0.312	0.000	31.59	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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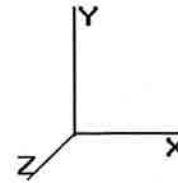
Load Case: 1.2D + 1.6W	105.00 mph with No Ice	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

56.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	22.452	0.312	0.000	26.34	0.00
58.00	(4) #20 Reinforcement	Yes	2.00	0.636	7.50	1.25	0.80	22.678	0.316	0.000	31.74	0.00
58.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	22.678	0.316	0.000	26.61	0.00
60.00	(4) #20 Reinforcement	Yes	2.00	0.633	7.50	1.25	0.79	22.899	0.319	0.000	31.90	0.00
60.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	22.899	0.319	0.000	26.87	0.00
62.00	(4) #20 Reinforcement	Yes	2.00	0.630	7.50	1.25	0.79	23.114	0.323	0.000	32.05	0.00
62.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	23.114	0.323	0.000	27.12	0.00
64.00	(4) #20 Reinforcement	Yes	2.00	0.627	7.50	1.25	0.78	23.325	0.326	0.000	32.19	0.00
64.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	23.325	0.326	0.000	27.37	0.00
66.00	(4) #20 Reinforcement	Yes	2.00	0.625	7.50	1.25	0.78	23.531	0.330	0.000	32.34	0.00
66.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	23.531	0.330	0.000	27.61	0.00
68.00	(4) #20 Reinforcement	Yes	2.00	0.622	7.50	1.25	0.78	23.733	0.334	0.000	32.47	0.00
68.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	23.733	0.334	0.000	27.85	0.00
68.13	(4) #20 Reinforcement	Yes	0.13	0.622	7.50	0.08	0.05	23.746	0.336	0.000	2.11	0.00
68.13	(4) Reinf.	Yes	0.13	2.000	2.00	0.02	0.04	23.746	0.336	0.000	1.81	0.00
70.00	(4) #20 Reinforcement	Yes	1.87	0.619	7.50	1.17	0.72	23.930	0.338	0.000	30.49	0.00
70.00	(4) Reinf.	Yes	1.87	2.000	2.00	0.31	0.62	23.930	0.338	0.000	26.25	0.00
70.00	(4) #20 Reinforcement	Yes	0.00	0.619	7.50	0.00	0.00	23.930	0.339	0.000	0.05	0.00
70.00	(4) Reinf.	Yes	0.00	2.000	2.00	0.00	0.00	23.930	0.339	0.000	0.05	0.00
71.88	(4) #20 Reinforcement	Yes	1.88	0.617	7.50	1.17	0.72	24.112	0.341	0.000	30.71	0.00
71.88	(4) Reinf.	Yes	1.88	2.000	2.00	0.31	0.63	24.112	0.341	0.000	26.55	0.00
72.00	(4) #20 Reinforcement	Yes	0.12	0.617	7.50	0.08	0.05	24.123	0.343	0.000	1.96	0.00
72.00	(4) Reinf.	Yes	0.12	2.000	2.00	0.02	0.04	24.123	0.343	0.000	1.70	0.00
73.50	(4) #20 Reinforcement	Yes	1.50	0.615	7.50	0.94	0.58	24.266	0.345	0.000	24.68	0.00
73.50	(4) Reinf.	Yes	1.50	2.000	2.00	0.25	0.50	24.266	0.345	0.000	21.40	0.00
74.00	(4) #20 Reinforcement	Yes	0.50	0.614	7.50	0.31	0.19	24.313	0.341	0.000	8.16	0.00
74.00	(4) Reinf.	Yes	0.50	2.000	2.00	0.08	0.17	24.313	0.341	0.000	7.08	0.00
76.00	(4) #20 Reinforcement	Yes	2.00	0.612	7.50	1.25	0.77	24.499	0.343	0.000	32.99	0.00
76.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	24.499	0.343	0.000	28.75	0.00
78.00	(4) #20 Reinforcement	Yes	2.00	0.610	7.50	1.25	0.76	24.681	0.347	0.000	33.12	0.00
78.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	24.681	0.347	0.000	28.96	0.00
79.63	(4) #20 Reinforcement	Yes	1.63	0.608	7.50	1.02	0.62	24.828	0.351	0.000	27.07	0.00
79.63	(4) Reinf.	Yes	1.63	2.000	2.00	0.27	0.54	24.828	0.351	0.000	23.74	0.00
80.00	(4) #20 Reinforcement	Yes	0.37	0.608	7.50	0.23	0.14	24.861	0.353	0.000	6.15	0.00
80.00	(4) Reinf.	Yes	0.37	2.000	2.00	0.06	0.12	24.861	0.353	0.000	5.40	0.00
82.00	(4) #20 Reinforcement	Yes	2.00	0.606	7.50	1.25	0.76	25.037	0.318	0.000	33.35	0.00
82.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	25.037	0.318	0.000	14.69	0.00
84.00	(4) #20 Reinforcement	Yes	2.00	0.603	7.50	1.25	0.75	25.210	0.284	0.000	33.47	0.00
86.00	(4) #20 Reinforcement	Yes	2.00	0.601	7.50	1.25	0.75	25.380	0.288	0.000	33.58	0.00
88.00	(4) #20 Reinforcement	Yes	2.00	0.600	7.50	1.25	0.75	25.547	0.291	0.000	33.72	0.00
89.44	(4) #20 Reinforcement	Yes	1.44	0.600	7.50	0.90	0.54	25.666	0.294	0.000	24.39	0.00
90.00	(4) #20 Reinforcement	Yes	0.56	0.600	7.50	0.35	0.21	25.711	0.296	0.000	9.50	0.00
92.00	(4) #20 Reinforcement	Yes	2.00	0.600	7.50	1.25	0.75	25.873	0.299	0.000	34.15	0.00
94.00	(4) #20 Reinforcement	Yes	2.00	0.600	7.50	1.25	0.75	26.033	0.303	0.000	34.36	0.00
Totals:											1,974.44	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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

105.00 mph with No Ice

31 Iterations

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

Wind Importance Factor : 1.00

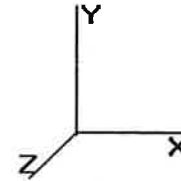
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
2.00	272.39	588.55	0.00	0.00
4.00	271.14	585.46	0.00	0.00
6.00	269.89	582.37	0.00	0.00
8.00	268.64	579.27	0.00	0.00
9.00	137.72	288.48	0.00	0.00
10.00	137.18	287.71	0.00	0.00
12.00	272.76	573.09	0.00	0.00
14.00	270.61	570.00	0.00	0.00
16.00	268.47	566.91	0.00	0.00
18.00	266.33	563.82	0.00	0.00
20.00	264.18	560.73	0.00	0.00
22.00	262.04	557.64	0.00	0.00
24.00	259.90	554.55	0.00	0.00
26.00	257.75	551.46	0.00	0.00
28.00	255.61	548.37	0.00	0.00
30.00	253.67	545.28	0.00	0.00
31.50	191.77	407.83	0.00	0.00
32.00	64.44	201.23	0.00	0.00
34.00	273.79	806.78	0.00	0.00
35.13	160.87	451.32	0.00	0.00
35.67	78.00	247.67	0.00	0.00
36.00	47.27	98.69	0.00	0.00
38.00	289.35	596.59	0.00	0.00
39.00	347.95	489.33	0.00	0.00
40.00	145.24	296.50	0.00	0.00
42.00	292.58	591.07	0.00	0.00
44.00	293.90	588.49	0.00	0.00
46.00	295.04	585.91	0.00	0.00
48.00	296.00	583.33	0.00	0.00
49.38	203.63	399.54	0.00	0.00
50.00	92.49	181.21	0.00	0.00
52.00	297.47	578.17	0.00	0.00
53.13	167.93	325.53	0.00	0.00
54.00	129.31	250.06	0.00	0.00
56.00	298.37	573.01	0.00	0.00
58.00	298.63	570.43	0.00	0.00
60.00	298.76	567.85	0.00	0.00
62.00	298.79	565.27	0.00	0.00
64.00	298.70	562.69	0.00	0.00
66.00	298.51	560.11	0.00	0.00
68.00	298.21	557.53	0.00	0.00
68.13	19.30	36.15	0.00	0.00
70.00	278.38	518.80	0.00	0.00
70.00	0.49	0.92	0.00	0.00
71.88	283.08	685.79	0.00	0.00
72.00	18.03	43.71	0.00	0.00
73.50	226.25	546.21	0.00	0.00
74.00	74.54	126.46	0.00	0.00
76.00	300.59	507.94	0.00	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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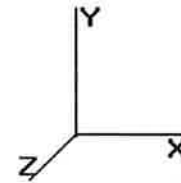
Load Case: 1.2D + 1.6W	105.00 mph with No Ice	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

78.00	299.88	505.88	0.00	0.00
79.63	243.67	410.77	0.00	0.00
80.00	55.12	72.91	0.00	0.00
82.00	283.55	392.87	0.00	0.00
84.00	267.73	390.81	0.00	0.00
86.00	266.52	388.75	0.00	0.00
88.00	265.28	386.69	0.00	0.00
89.44	190.07	289.83	0.00	0.00
90.00	73.64	70.08	0.00	0.00
92.00	262.76	248.97	0.00	0.00
94.00	261.41	246.91	0.00	0.00
96.00	187.85	244.85	0.00	0.00
98.00	186.45	242.79	0.00	0.00
100.0	185.01	240.73	0.00	0.00
102.0	183.52	238.67	0.00	0.00
104.0	181.99	236.61	0.00	0.00
106.0	180.42	234.55	0.00	0.00
108.0	178.81	232.49	0.00	0.00
110.0	177.16	230.43	0.00	0.00
110.0	0.29	0.38	0.00	0.00
112.0	175.17	194.33	0.00	0.00
114.0	173.74	193.11	0.00	0.00
116.0	171.97	191.56	0.00	0.00
118.0	170.17	190.01	0.00	0.00
119.0	2,957.41	1,544.38	0.00	0.00
120.0	83.84	80.67	0.00	0.00
122.0	166.46	160.18	0.00	0.00
124.0	164.56	158.63	0.00	0.00
126.0	162.62	157.08	0.00	0.00
128.0	160.64	155.53	0.00	0.00
130.0	657.59	249.02	0.00	0.00
132.0	156.60	140.62	0.00	0.00
134.0	154.53	139.07	0.00	0.00
136.0	152.44	137.52	0.00	0.00
138.0	150.31	135.97	0.00	0.00
140.0	148.15	134.43	0.00	0.00
142.0	145.96	132.88	0.00	0.00
144.0	143.75	131.33	0.00	0.00
146.0	141.51	129.78	0.00	0.00
148.0	4,792.43	3,532.03	0.00	11,529.34
150.0	540.04	152.00	0.00	5,486.37
Totals:	26,446.97	35,951.87	0.00	17,015.72

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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	105.00 mph with No Ice	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

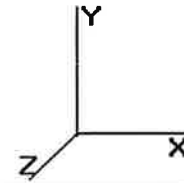
Calculated Forces

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	-35.93	-26.48	0.00	-2,486.81	0.00	2,486.81	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.648
2.00	-35.29	-26.28	0.00	-2,433.85	0.00	2,433.85	3,140.17	1,570.08	4,745.43	2,343.59	0.02	-0.11	0.641
4.00	-34.65	-26.07	0.00	-2,381.29	0.00	2,381.29	3,123.00	1,561.50	4,678.76	2,310.67	0.09	-0.22	0.633
6.00	-34.02	-25.86	0.00	-2,329.15	0.00	2,329.15	3,105.67	1,552.83	4,612.30	2,277.84	0.21	-0.33	0.625
8.00	-33.41	-25.64	0.00	-2,277.43	0.00	2,277.43	3,088.17	1,544.08	4,546.05	2,245.12	0.37	-0.44	0.617
9.00	-33.10	-25.53	0.00	-2,251.79	0.00	2,251.79	3,079.35	1,539.68	4,513.00	2,228.80	0.47	-0.49	0.613
9.00	-33.10	-25.53	0.00	-2,251.79	0.00	2,251.79	3,079.35	1,539.68	4,513.00	2,228.80	0.47	-0.49	0.613
10.00	-32.77	-25.44	0.00	-2,226.26	0.00	2,226.26	3,070.50	1,535.25	4,480.00	2,212.51	0.58	-0.55	0.609
12.00	-32.15	-25.22	0.00	-2,175.39	0.00	2,175.39	3,052.67	1,526.33	4,414.18	2,180.00	0.83	-0.66	0.602
14.00	-31.54	-25.00	0.00	-2,124.95	0.00	2,124.95	3,034.67	1,517.33	4,348.59	2,147.60	1.13	-0.77	0.594
16.00	-30.93	-24.78	0.00	-2,074.95	0.00	2,074.95	3,016.50	1,508.25	4,283.23	2,115.32	1.48	-0.88	0.586
18.00	-30.32	-24.57	0.00	-2,025.38	0.00	2,025.38	2,998.17	1,499.09	4,218.10	2,083.16	1.87	-0.98	0.578
20.00	-29.72	-24.35	0.00	-1,976.25	0.00	1,976.25	2,979.67	1,489.84	4,153.23	2,051.12	2.30	-1.09	0.570
22.00	-29.13	-24.13	0.00	-1,927.56	0.00	1,927.56	2,961.01	1,480.51	4,088.60	2,019.21	2.78	-1.20	0.561
24.00	-28.53	-23.91	0.00	-1,879.30	0.00	1,879.30	2,942.18	1,471.09	4,024.24	1,987.42	3.31	-1.31	0.553
26.00	-27.94	-23.69	0.00	-1,831.48	0.00	1,831.48	2,923.18	1,461.59	3,960.14	1,955.77	3.88	-1.42	0.545
28.00	-27.36	-23.47	0.00	-1,784.09	0.00	1,784.09	2,903.09	1,451.54	3,895.07	1,923.63	4.50	-1.52	0.537
30.00	-26.78	-23.25	0.00	-1,737.14	0.00	1,737.14	2,875.19	1,437.60	3,820.15	1,886.63	5.16	-1.63	0.530
31.50	-26.36	-23.07	0.00	-1,702.19	0.00	1,702.19	2,854.23	1,427.11	3,764.32	1,859.06	5.69	-1.71	0.525
32.00	-26.13	-23.03	0.00	-1,690.73	0.00	1,690.73	2,847.30	1,423.65	3,745.97	1,849.99	5.87	-1.74	0.516
34.00	-25.30	-22.77	0.00	-1,644.67	0.00	1,644.67	2,819.40	1,409.70	3,672.50	1,813.71	6.62	-1.84	0.509
35.13	-24.84	-22.61	0.00	-1,619.06	0.00	1,619.06	2,803.71	1,401.86	3,631.50	1,793.46	7.06	-1.90	0.505
35.67	-24.58	-22.53	0.00	-1,606.73	0.00	1,606.73	2,253.05	1,126.52	2,980.43	1,471.92	7.28	-1.93	0.453
36.00	-24.47	-22.51	0.00	-1,599.30	0.00	1,599.30	2,250.82	1,125.41	2,972.64	1,468.08	7.41	-1.94	0.451
38.00	-23.86	-22.22	0.00	-1,554.29	0.00	1,554.29	2,237.24	1,118.62	2,925.53	1,444.81	8.25	-2.03	0.442
39.00	-23.36	-21.87	0.00	-1,532.07	0.00	1,532.07	2,230.38	1,115.19	2,902.02	1,433.20	8.68	-2.07	0.438
40.00	-23.05	-21.74	0.00	-1,510.19	0.00	1,510.19	2,223.49	1,111.74	2,878.55	1,421.61	9.12	-2.12	0.434
42.00	-22.44	-21.46	0.00	-1,466.70	0.00	1,466.70	2,209.57	1,104.78	2,831.72	1,398.48	10.02	-2.20	0.425
44.00	-21.83	-21.18	0.00	-1,423.78	0.00	1,423.78	2,195.48	1,097.74	2,785.05	1,375.43	10.96	-2.29	0.416
46.00	-21.22	-20.89	0.00	-1,381.42	0.00	1,381.42	2,181.23	1,090.62	2,738.53	1,352.46	11.94	-2.37	0.407
48.00	-20.63	-20.60	0.00	-1,339.64	0.00	1,339.64	2,166.82	1,083.41	2,692.17	1,329.56	12.95	-2.46	0.399
49.38	-20.22	-20.39	0.00	-1,311.32	0.00	1,311.32	2,156.81	1,078.40	2,660.41	1,313.87	13.67	-2.51	0.393
49.38	-20.22	-20.39	0.00	-1,311.32	0.00	1,311.32	2,156.81	1,078.40	2,660.41	1,313.87	13.67	-2.51	0.408
50.00	-20.03	-20.31	0.00	-1,298.57	0.00	1,298.57	2,152.23	1,076.12	2,645.99	1,306.76	14.00	-2.54	0.405
52.00	-19.44	-20.01	0.00	-1,257.95	0.00	1,257.95	2,137.48	1,068.74	2,599.99	1,284.04	15.08	-2.63	0.396
53.13	-19.11	-19.84	0.00	-1,235.34	0.00	1,235.34	2,129.08	1,064.54	2,574.08	1,271.24	15.71	-2.67	0.391
53.13	-19.11	-19.84	0.00	-1,235.34	0.00	1,235.34	2,129.08	1,064.54	2,574.08	1,271.24	15.71	-2.67	0.400
54.00	-18.84	-19.72	0.00	-1,218.08	0.00	1,218.08	2,122.57	1,061.28	2,554.17	1,261.41	16.20	-2.71	0.396
56.00	-18.26	-19.42	0.00	-1,178.64	0.00	1,178.64	2,107.48	1,053.74	2,508.54	1,238.87	17.36	-2.80	0.387
58.00	-17.67	-19.12	0.00	-1,139.80	0.00	1,139.80	2,092.24	1,046.12	2,463.11	1,216.44	18.55	-2.88	0.378
60.00	-17.09	-18.82	0.00	-1,101.56	0.00	1,101.56	2,076.82	1,038.41	2,417.88	1,194.10	19.77	-2.97	0.369
62.00	-16.52	-18.51	0.00	-1,063.92	0.00	1,063.92	2,061.24	1,030.62	2,372.86	1,171.87	21.03	-3.05	0.360
64.00	-15.95	-18.21	0.00	-1,026.89	0.00	1,026.89	2,045.49	1,022.75	2,328.07	1,149.74	22.33	-3.13	0.351
66.00	-15.38	-17.90	0.00	-990.47	0.00	990.47	2,029.58	1,014.79	2,283.49	1,127.73	23.66	-3.21	0.342
68.00	-14.82	-17.58	0.00	-954.67	0.00	954.67	2,008.56	1,004.28	2,233.65	1,103.12	25.02	-3.29	0.333
68.13	-14.78	-17.57	0.00	-952.38	0.00	952.38	2,007.04	1,003.52	2,230.27	1,101.45	25.11	-3.30	0.333
68.13	-14.78	-17.57	0.00	-952.38	0.00	952.38	2,007.04	1,003.52	2,230.27	1,101.45	25.11	-3.30	0.303
70.00	-14.26	-17.27	0.00	-919.52	0.00	919.52	1,985.27	992.64	2,181.87	1,077.55	26.42	-3.37	0.296
70.00	-14.25	-17.28	0.00	-919.47	0.00	919.47	1,985.24	992.62	2,181.79	1,077.50	26.42	-3.38	0.296
71.88	-13.57	-16.97	0.00	-887.03	0.00	887.03	1,963.39	981.69	2,133.76	1,053.78	27.76	-3.44	0.284
71.88	-13.57	-16.97	0.00	-887.03	0.00	887.03	1,963.39	981.69	2,133.76	1,053.78	27.76	-3.44	0.293

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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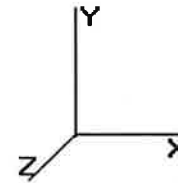
Load Case: 1.2D + 1.6W 105.00 mph with No Ice 31 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

72.00	-13.52	-16.95	0.00	-885.00	0.00	885.00	1,961.99	981.00	2,130.70	1,052.27	27.85	-3.45	0.293
73.50	-12.98	-16.70	0.00	-859.51	0.00	859.51	1,473.96	736.98	1,624.57	802.31	28.94	-3.50	0.332
74.00	-12.85	-16.63	0.00	-851.22	0.00	851.22	1,471.43	735.72	1,617.01	798.58	29.31	-3.52	0.329
76.00	-12.34	-16.31	0.00	-817.96	0.00	817.96	1,461.13	730.56	1,586.64	783.58	30.80	-3.59	0.319
78.00	-11.83	-16.00	0.00	-785.33	0.00	785.33	1,450.65	725.33	1,556.35	768.62	32.32	-3.67	0.309
79.63	-11.43	-15.73	0.00	-759.25	0.00	759.25	1,442.00	721.00	1,531.74	756.47	33.58	-3.73	0.301
79.63	-11.43	-15.73	0.00	-759.25	0.00	759.25	1,442.00	721.00	1,531.74	756.47	33.58	-3.73	0.400
80.00	-11.34	-15.69	0.00	-753.43	0.00	753.43	1,440.02	720.01	1,526.16	753.71	33.87	-3.74	0.398
82.00	-10.95	-15.39	0.00	-722.06	0.00	722.06	1,429.21	714.61	1,496.08	738.86	35.45	-3.83	0.385
84.00	-10.55	-15.12	0.00	-691.27	0.00	691.27	1,418.24	709.12	1,466.10	724.05	37.08	-3.93	0.372
86.00	-10.16	-14.84	0.00	-661.03	0.00	661.03	1,407.10	703.55	1,436.24	709.30	38.74	-4.02	0.359
88.00	-9.77	-14.56	0.00	-631.35	0.00	631.35	1,395.80	697.90	1,406.50	694.62	40.45	-4.11	0.346
89.44	-9.48	-14.36	0.00	-610.38	0.00	610.38	1,387.56	693.78	1,385.17	684.08	41.69	-4.17	0.317
89.44	-9.48	-14.36	0.00	-610.38	0.00	610.38	1,387.56	693.78	1,385.17	684.08	41.69	-4.17	0.900
90.00	-9.39	-14.30	0.00	-602.34	0.00	602.34	1,384.33	692.17	1,376.89	680.00	42.18	-4.19	0.893
92.00	-9.10	-14.06	0.00	-573.74	0.00	573.74	1,372.70	686.35	1,347.42	665.44	43.99	-4.43	0.869
94.00	-8.82	-13.81	0.00	-545.62	0.00	545.62	1,360.89	680.45	1,318.09	650.96	45.89	-4.65	0.845
96.00	-8.54	-13.64	0.00	-518.00	0.00	518.00	1,348.92	674.46	1,288.91	636.54	47.89	-4.88	0.821
98.00	-8.26	-13.46	0.00	-490.72	0.00	490.72	1,336.79	668.39	1,259.89	622.21	49.98	-5.10	0.795
100.00	-7.99	-13.29	0.00	-463.79	0.00	463.79	1,324.49	662.24	1,231.02	607.96	52.16	-5.32	0.769
102.00	-7.72	-13.11	0.00	-437.22	0.00	437.22	1,312.02	656.01	1,202.33	593.78	54.43	-5.54	0.743
104.00	-7.46	-12.94	0.00	-410.99	0.00	410.99	1,299.39	649.69	1,173.81	579.70	56.80	-5.75	0.715
106.00	-7.20	-12.76	0.00	-385.12	0.00	385.12	1,284.34	642.17	1,143.47	564.72	59.25	-5.96	0.688
108.00	-6.94	-12.58	0.00	-359.61	0.00	359.61	1,265.75	632.87	1,110.41	548.39	61.78	-6.16	0.662
110.00	-6.71	-12.39	0.00	-334.45	0.00	334.45	1,247.15	623.56	1,077.84	532.30	64.40	-6.36	0.634
110.00	-6.69	-12.40	0.00	-334.41	0.00	334.41	1,247.12	623.56	1,077.78	532.28	64.41	-6.36	0.634
110.00	-6.69	-12.40	0.00	-334.41	0.00	334.41	856.50	428.25	744.58	367.72	64.41	-6.36	0.918
112.00	-6.47	-12.23	0.00	-309.65	0.00	309.65	849.29	424.65	727.25	359.16	67.10	-6.55	0.871
114.00	-6.24	-12.06	0.00	-285.19	0.00	285.19	841.90	420.95	709.95	350.62	69.90	-6.80	0.822
116.00	-6.03	-11.89	0.00	-261.07	0.00	261.07	834.35	417.17	692.70	342.10	72.79	-7.03	0.771
118.00	-5.83	-11.72	0.00	-237.28	0.00	237.28	826.63	413.31	675.51	333.61	75.78	-7.26	0.719
119.00	-4.66	-8.59	0.00	-225.57	0.00	225.57	822.70	411.35	666.94	329.38	77.31	-7.37	0.691
120.00	-4.56	-8.51	0.00	-216.97	0.00	216.97	818.74	409.37	658.39	325.15	78.86	-7.48	0.673
122.00	-4.40	-8.34	0.00	-199.95	0.00	199.95	810.68	405.34	641.34	316.73	82.02	-7.68	0.637
124.00	-4.23	-8.17	0.00	-183.26	0.00	183.26	802.46	401.23	624.37	308.35	85.27	-7.88	0.600
126.00	-4.07	-8.00	0.00	-166.91	0.00	166.91	794.08	397.04	607.49	300.02	88.61	-8.07	0.562
128.00	-3.92	-7.83	0.00	-150.91	0.00	150.91	785.52	392.76	590.71	291.73	92.02	-8.26	0.523
130.00	-3.75	-7.16	0.00	-135.24	0.00	135.24	776.80	388.40	574.02	283.49	95.50	-8.43	0.482
132.00	-3.61	-6.99	0.00	-120.92	0.00	120.92	767.92	383.96	557.44	275.30	99.05	-8.59	0.444
134.00	-3.48	-6.83	0.00	-106.93	0.00	106.93	758.87	379.43	540.98	267.17	102.67	-8.74	0.405
136.00	-3.35	-6.66	0.00	-93.28	0.00	93.28	749.65	374.82	524.63	259.10	106.35	-8.89	0.365
138.00	-3.23	-6.50	0.00	-79.95	0.00	79.95	740.26	370.13	508.41	251.09	110.09	-9.02	0.323
140.00	-3.11	-6.34	0.00	-66.94	0.00	66.94	730.85	365.43	492.42	243.19	113.87	-9.13	0.280
142.00	-2.99	-6.18	0.00	-54.26	0.00	54.26	716.87	358.43	473.65	233.92	117.71	-9.23	0.236
144.00	-2.87	-6.02	0.00	-41.90	0.00	41.90	702.88	351.44	455.24	224.83	121.58	-9.32	0.191
146.00	-2.76	-5.86	0.00	-29.86	0.00	29.86	688.90	344.45	437.20	215.92	125.48	-9.39	0.143
148.00	-0.06	-0.56	0.00	-6.60	0.00	6.60	674.91	337.46	419.53	207.19	129.40	-9.43	0.032
150.00	0.00	-0.54	0.00	-5.49	0.00	5.49	660.93	330.46	402.22	198.64	133.34	-9.45	0.028

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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	105.00 mph with No Ice (Reduced DL)	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

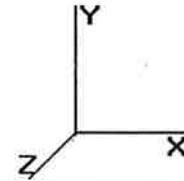
Shaft Segment Forces (Factored)

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	18.769	20.64	283.30	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	18.769	20.64	280.92	1.000	* 0.000	2.00	6.423	6.42	212.2	0.0	406.1
4.00		1.00	0.70	18.769	20.64	278.55	1.000	* 0.000	2.00	6.369	6.37	210.4	0.0	403.8
6.00		1.00	0.70	18.769	20.64	276.17	1.000	* 0.000	2.00	6.315	6.31	208.6	0.0	401.5
8.00		1.00	0.70	18.769	20.64	273.80	1.000	* 0.000	2.00	6.260	6.26	206.8	0.0	399.2
9.00	Reinf. Top Reinf Bottom	1.00	0.70	18.769	20.64	272.61	1.200	* 0.000	1.00	3.110	3.73	123.3	0.0	198.7
10.00		1.00	0.70	18.769	20.64	271.42	1.200	* 0.000	1.00	3.096	3.72	122.7	0.0	198.1
12.00		1.00	0.70	18.769	20.64	269.05	1.200	* 0.000	2.00	6.152	7.38	243.9	0.0	394.5
14.00		1.00	0.70	18.769	20.64	266.67	1.200	* 0.000	2.00	6.098	7.32	241.7	0.0	392.2
16.00		1.00	0.70	18.769	20.64	264.30	1.200	* 0.000	2.00	6.044	7.25	239.6	0.0	389.9
18.00		1.00	0.70	18.769	20.64	261.92	1.200	* 0.000	2.00	5.990	7.19	237.4	0.0	387.6
20.00		1.00	0.70	18.769	20.64	259.55	1.200	* 0.000	2.00	5.936	7.12	235.3	0.0	385.3
22.00		1.00	0.70	18.769	20.64	257.17	1.200	* 0.000	2.00	5.882	7.06	233.2	0.0	382.9
24.00		1.00	0.70	18.769	20.64	254.79	1.200	* 0.000	2.00	5.828	6.99	231.0	0.0	380.6
26.00		1.00	0.70	18.769	20.64	252.42	1.200	* 0.000	2.00	5.774	6.93	228.9	0.0	378.3
28.00		1.00	0.70	18.769	20.64	250.04	1.200	* 0.000	2.00	5.720	6.86	226.7	0.0	376.0
30.00		1.00	0.70	18.785	20.66	247.77	1.200	* 0.000	2.00	5.666	6.80	224.8	0.0	373.7
31.50	Bot - Section 2	1.00	0.71	19.049	20.95	247.71	1.200	* 0.000	1.50	4.223	5.07	169.9	0.0	279.4
32.00		1.00	0.71	19.134	21.04	247.67	1.200	* 0.000	0.50	1.415	1.70	57.2	0.0	142.2
34.00		1.00	0.72	19.469	21.41	247.41	1.200	* 0.000	2.00	5.665	6.80	233.0	0.0	569.8
35.13	Reinf Bottom	1.00	0.73	19.651	21.61	247.19	1.200	* 0.000	1.13	3.163	3.80	131.3	0.0	318.6
35.67	Top - Section 1	1.00	0.73	19.737	21.71	247.07	1.200	* 0.000	0.54	1.526	1.83	63.6	0.0	183.6
36.00		1.00	0.73	19.789	21.76	251.87	1.200	* 0.000	0.33	0.922	1.11	38.5	0.0	72.7
38.00		1.00	0.75	20.097	22.10	251.36	1.200	* 0.000	2.00	5.557	6.67	235.9	0.0	439.4
39.00	Appertunance(s)	1.00	0.75	20.247	22.27	251.06	1.200	* 0.000	1.00	2.758	3.31	118.0	0.0	219.0
40.00		1.00	0.76	20.394	22.43	250.73	1.200	* 0.000	1.00	2.745	3.29	118.2	0.0	218.5
42.00		1.00	0.77	20.680	22.74	249.99	1.200	* 0.000	2.00	5.449	6.54	238.0	0.0	435.5
44.00		1.00	0.78	20.957	23.05	249.15	1.200	* 0.000	2.00	5.395	6.47	238.8	0.0	433.6
46.00		1.00	0.79	21.225	23.34	248.21	1.200	* 0.000	2.00	5.341	6.41	239.4	0.0	431.6
48.00		1.00	0.80	21.485	23.63	247.18	1.200	* 0.000	2.00	5.287	6.34	239.9	0.0	429.7
49.38	Reinf. Top Reinf Bottom	1.00	0.80	21.659	23.82	246.43	1.200	* 0.000	1.38	3.603	4.32	164.8	0.0	294.3
50.00		1.00	0.81	21.737	23.91	246.07	1.200	* 0.000	0.63	1.629	1.96	74.8	0.0	133.5
52.00		1.00	0.82	21.982	24.18	244.89	1.200	* 0.000	2.00	5.179	6.21	240.4	0.0	425.8
53.13	Reinf. Top Reinf Bottom	1.00	0.82	22.117	24.32	244.18	1.200	* 0.000	1.13	2.902	3.48	135.6	0.0	239.7
54.00		1.00	0.82	22.220	24.44	243.63	1.200	* 0.000	0.87	2.223	2.67	104.3	0.0	184.2
56.00		1.00	0.83	22.452	24.69	242.30	1.200	* 0.000	2.00	5.071	6.08	240.4	0.0	422.0
58.00		1.00	0.84	22.678	24.94	240.90	1.200	* 0.000	2.00	5.017	6.02	240.3	0.0	420.0
60.00		1.00	0.85	22.899	25.18	239.45	1.200	* 0.000	2.00	4.962	5.95	240.0	0.0	418.1
62.00		1.00	0.86	23.114	25.42	237.94	1.200	* 0.000	2.00	4.908	5.89	239.6	0.0	416.2
64.00		1.00	0.87	23.325	25.65	236.37	1.200	* 0.000	2.00	4.854	5.83	239.1	0.0	414.2
66.00		1.00	0.87	23.531	25.88	234.75	1.200	* 0.000	2.00	4.800	5.76	238.6	0.0	412.3
68.00		1.00	0.88	23.733	26.10	233.08	1.200	* 0.000	2.00	4.746	5.70	237.9	0.0	410.4
68.13	Reinf. Top Reinf Bottom	1.00	0.88	23.746	26.12	232.97	1.200	* 0.000	0.13	0.307	0.37	15.4	0.0	26.6
70.00		1.00	0.89	23.930	26.32	231.37	1.200	* 0.000	1.87	4.385	5.26	221.6	0.0	381.8
70.00	Bot Section 3	1.00	0.89	23.930	26.32	231.37	1.200	* 0.000	0.00	0.008	0.01	0.4	0.0	0.7
71.88	Reinf. Top Reinf Bottom	1.00	0.89	24.112	26.52	229.72	1.200	* 0.000	1.88	4.434	5.32	225.8	0.0	507.0
72.00		1.00	0.90	24.123	26.53	229.61	1.200	* 0.000	0.12	0.282	0.34	14.4	0.0	32.3
73.50	Top - Section 2	1.00	0.90	24.266	26.69	228.26	1.200	* 0.000	1.50	3.515	4.22	180.2	0.0	403.8
74.00		1.00	0.90	24.313	26.74	232.12	1.200	* 0.000	0.50	1.155	1.39	59.3	0.0	92.9
76.00		1.00	0.91	24.499	26.94	230.29	1.200	* 0.000	2.00	4.616	5.54	238.8	0.0	373.2
78.00		1.00	0.92	24.681	27.15	228.42	1.200	* 0.000	2.00	4.562	5.47	237.8	0.0	371.6

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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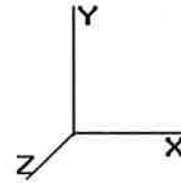
Load Case: 0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

79.63	Reinf. Top	1.00	0.92	24.828	27.31	226.87	1.200	* 0.000	1.63	3.678	4.41	192.9	0.0	301.7
80.00		1.00	0.92	24.861	27.34	226.52	1.200	* 0.000	0.37	0.830	1.00	43.6	0.0	48.2
82.00		1.00	0.93	25.037	27.54	224.58	1.200	* 0.000	2.00	4.454	5.34	235.5	0.0	259.6
84.00		1.00	0.94	25.210	27.73	222.60	1.200	* 0.000	2.00	4.400	5.28	234.3	0.0	258.1
86.00		1.00	0.94	25.380	27.91	220.58	1.200	* 0.000	2.00	4.346	5.21	232.9	0.0	256.5
88.00		1.00	0.95	25.547	28.10	218.54	1.200	* 0.000	2.00	4.292	5.15	231.6	0.0	255.0
89.44	Reinf. Top	1.00	0.95	25.666	28.23	217.05	1.200	* 0.000	1.44	3.057	3.67	165.7	0.0	195.3
90.00		1.00	0.95	25.711	28.28	216.46	1.200	* 0.000	0.56	1.181	1.42	64.1	0.0	33.4
92.00		1.00	0.96	25.873	28.46	214.35	1.200	* 0.000	2.00	4.183	5.02	228.6	0.0	118.3
94.00		1.00	0.97	26.033	28.63	212.22	1.200	* 0.000	2.00	4.129	4.96	227.0	0.0	116.8
96.00		1.00	0.97	26.190	28.80	210.05	1.000	0.000	2.00	4.075	4.08	187.9	0.0	115.2
98.00		1.00	0.98	26.345	28.97	207.85	1.000	0.000	2.00	4.021	4.02	186.5	0.0	113.7
100.0		1.00	0.98	26.497	29.14	205.63	1.000	0.000	2.00	3.967	3.97	185.0	0.0	112.1
102.0		1.00	0.99	26.648	29.31	203.38	1.000	0.000	2.00	3.913	3.91	183.5	0.0	110.6
104.0		1.00	0.99	26.796	29.47	201.11	1.000	0.000	2.00	3.859	3.86	182.0	0.0	109.0
106.0		1.00	1.00	26.942	29.63	198.81	1.000	0.000	2.00	3.805	3.80	180.4	0.0	107.5
108.0		1.00	1.01	27.086	29.79	196.49	1.000	0.000	2.00	3.751	3.75	178.8	0.0	106.0
110.0		1.00	1.01	27.229	29.95	194.15	1.000	0.000	2.00	3.697	3.70	177.2	0.0	104.4
110.0	Top - Section 3	1.00	1.01	27.229	29.95	194.14	1.000	0.000	0.00	0.006	0.01	0.3	0.0	0.2
112.0		1.00	1.02	27.369	30.10	191.78	1.000	0.000	2.00	3.637	3.64	175.2	0.0	77.5
114.0		1.00	1.02	27.508	30.25	189.39	1.000	0.000	2.00	3.589	3.59	173.7	0.0	76.4
116.0		1.00	1.03	27.645	30.41	186.98	1.000	0.000	2.00	3.535	3.53	172.0	0.0	75.3
118.0		1.00	1.03	27.780	30.55	184.54	1.000	0.000	2.00	3.480	3.48	170.2	0.0	74.1
119.0	Appertunance(s)	1.00	1.03	27.847	30.63	183.32	1.000	0.000	1.00	1.720	1.72	84.3	0.0	36.6
120.0		1.00	1.04	27.914	30.70	182.09	1.000	0.000	1.00	1.706	1.71	83.8	0.0	36.3
122.0		1.00	1.04	28.046	30.85	179.62	1.000	0.000	2.00	3.372	3.37	166.5	0.0	71.8
124.0		1.00	1.05	28.177	30.99	177.12	1.000	0.000	2.00	3.318	3.32	164.6	0.0	70.6
126.0		1.00	1.05	28.306	31.13	174.61	1.000	0.000	2.00	3.264	3.26	162.6	0.0	69.4
128.0		1.00	1.06	28.434	31.27	172.08	1.000	0.000	2.00	3.210	3.21	160.6	0.0	68.3
130.0	Appertunance(s)	1.00	1.06	28.560	31.41	169.53	1.000	0.000	2.00	3.156	3.16	158.6	0.0	67.1
132.0		1.00	1.07	28.685	31.55	166.97	1.000	0.000	2.00	3.102	3.10	156.6	0.0	66.0
134.0		1.00	1.07	28.808	31.68	164.38	1.000	0.000	2.00	3.048	3.05	154.5	0.0	64.8
136.0		1.00	1.07	28.930	31.82	161.78	1.000	0.000	2.00	2.994	2.99	152.4	0.0	63.6
138.0		1.00	1.08	29.051	31.95	159.17	1.000	0.000	2.00	2.940	2.94	150.3	0.0	62.5
140.0		1.00	1.08	29.171	32.08	156.53	1.000	0.000	2.00	2.886	2.89	148.2	0.0	61.3
142.0		1.00	1.09	29.289	32.21	153.88	1.000	0.000	2.00	2.832	2.83	146.0	0.0	60.1
144.0		1.00	1.09	29.407	32.34	151.22	1.000	0.000	2.00	2.777	2.78	143.8	0.0	59.0
146.0		1.00	1.10	29.523	32.47	148.54	1.000	0.000	2.00	2.723	2.72	141.5	0.0	57.8
148.0	Appertunance(s)	1.00	1.10	29.638	32.60	145.84	1.000	0.000	2.00	2.669	2.67	139.2	0.0	56.7
150.0	Appertunance(s)	1.00	1.11	29.752	32.72	143.13	1.000	0.000	2.00	2.615	2.62	136.9	0.0	55.5
* = Cf Adjusted By Linear Load Ra Effect									Totals:	150.00		15,596.9	0.0	20,455.0

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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 105.00 mph with No Ice (Reduced DL) 31 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

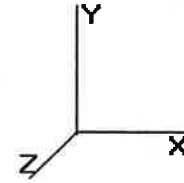
Discrete Appurtenance Segment Forces (Factored)

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)
39.00	Stand-off	1	20.247	22.272	1.00	1.00	5.20	0.000	0.000	185.30	0.00	0.00	135.00
39.00	GPS	1	20.247	22.272	0.50	1.00	0.50	0.000	0.000	17.82	0.00	0.00	9.00
119.0	Antel BXA-80063/4CF	3	27.847	30.632	0.76	0.80	8.59	0.000	0.000	421.06	0.00	0.00	26.73
119.0	Round T-Arm	3	27.847	30.632	0.67	0.75	14.62	0.000	0.000	716.68	0.00	0.00	675.00
119.0	RFS FD9R6004/1C-3L	6	27.847	30.632	0.50	0.80	0.89	0.000	0.000	43.52	0.00	0.00	16.74
119.0	PCS1900 Dual Duplex	6	27.847	30.632	0.50	0.80	2.18	0.000	0.000	107.04	0.00	0.00	108.00
119.0	Alcatel-Lucent RRH2x	3	27.847	30.632	0.50	0.80	2.59	0.000	0.000	127.04	0.00	0.00	118.80
119.0	Antel BXA-171063-8BF	3	27.847	30.632	0.87	0.80	6.14	0.000	0.000	300.87	0.00	0.00	28.35
119.0	Antel BXA-171085-8CF	3	27.847	30.632	0.87	0.80	6.14	0.000	0.000	300.87	0.00	0.00	28.35
119.0	RFS DB-T1-6Z-8AB-0Z	1	27.847	30.632	1.00	0.80	3.84	0.000	0.000	188.20	0.00	0.00	39.60
119.0	Antel BXA-70063/6CF	3	27.847	30.632	0.75	0.80	13.63	0.000	0.000	667.83	0.00	0.00	45.90
130.0	RFS APXV18-206517S-	3	28.560	31.416	0.80	0.80	9.93	0.000	0.000	498.95	0.00	0.00	71.28
148.0	Ericsson RRUS 11 (Ba	6	29.921	32.913	0.50	0.75	5.67	0.000	5.000	298.58	0.00	1,492.92	297.00
148.0	Powerwave LGP13519	6	29.921	32.913	0.50	0.75	0.76	0.000	5.000	40.29	0.00	201.43	28.62
148.0	Allgon 7770.00	6	29.921	32.913	0.77	0.75	19.09	0.000	5.000	1,005.40	0.00	5,026.98	189.00
148.0	7' Omni	1	29.921	32.913	1.00	0.75	1.57	0.000	5.000	82.94	0.00	414.70	22.50
148.0	Flat Platform w/ Han	1	29.638	32.602	1.00	1.00	45.00	0.000	0.000	2,347.32	0.00	0.00	1,800.00
148.0	TMA-DD1900	6	29.921	32.913	0.50	0.75	1.33	0.000	5.000	69.91	0.00	349.53	56.16
148.0	Raycap DC6-48-60-18-	1	29.921	32.913	1.00	0.75	1.10	0.000	5.000	58.06	0.00	290.29	28.62
148.0	KMW AM-X-CD-16-65-	3	29.921	32.913	0.79	0.75	14.26	0.000	5.000	750.70	0.00	3,753.50	130.95
157.0	15' Omni	1	30.626	33.688	1.00	1.00	4.50	0.000	9.000	242.56	0.00	3,880.91	36.00
154.0	8' Dipole	1	30.305	33.336	1.00	1.00	3.01	0.000	6.000	160.55	0.00	1,605.46	22.50
										8,631.47			3,914.10

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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	105.00 mph with No Ice (Reduced DL)	31 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)

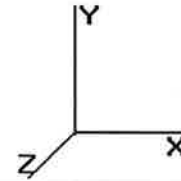
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
2.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	18.769	0.195	1.284	0.00	0.00
4.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	18.769	0.196	1.289	0.00	0.00
6.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	18.769	0.198	1.294	0.00	0.00
8.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	18.769	0.200	1.299	0.00	0.00
9.00	(4) #20 Reinforcement	Yes	1.00	0.699	7.50	0.63	0.44	18.769	0.201	0.000	14.44	0.00
10.00	(4) #20 Reinforcement	Yes	1.00	0.699	7.50	0.63	0.44	18.769	0.202	0.000	14.44	0.00
12.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.203	0.000	28.88	0.00
14.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.205	0.000	28.88	0.00
16.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.207	0.000	28.88	0.00
18.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.209	0.000	28.88	0.00
20.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.211	0.000	28.88	0.00
22.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.213	0.000	28.88	0.00
24.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.214	0.000	28.88	0.00
26.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.216	0.000	28.88	0.00
28.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.769	0.219	0.000	28.88	0.00
30.00	(4) #20 Reinforcement	Yes	2.00	0.699	7.50	1.25	0.87	18.785	0.221	0.000	28.89	0.00
31.50	(4) #20 Reinforcement	Yes	1.50	0.694	7.50	0.94	0.65	19.049	0.222	0.000	21.87	0.00
32.00	(4) #20 Reinforcement	Yes	0.50	0.693	7.50	0.31	0.22	19.134	0.224	0.000	7.24	0.00
34.00	(4) #20 Reinforcement	Yes	2.00	0.687	7.50	1.25	0.86	19.469	0.255	0.000	29.41	0.00
34.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	19.469	0.255	0.000	11.42	0.00
35.13	(4) #20 Reinforcement	Yes	1.13	0.684	7.50	0.70	0.48	19.651	0.287	0.000	16.62	0.00
35.13	(4) Reinf.	Yes	1.13	2.000	2.00	0.19	0.38	19.651	0.287	0.000	12.97	0.00
35.67	(4) #20 Reinforcement	Yes	0.54	0.682	7.50	0.34	0.23	19.737	0.288	0.000	8.07	0.00
35.67	(4) Reinf.	Yes	0.54	2.000	2.00	0.09	0.18	19.737	0.288	0.000	6.31	0.00
36.00	(4) #20 Reinforcement	Yes	0.33	0.681	7.50	0.21	0.14	19.789	0.283	0.000	4.89	0.00
36.00	(4) Reinf.	Yes	0.33	2.000	2.00	0.06	0.11	19.789	0.283	0.000	3.83	0.00
38.00	(4) #20 Reinforcement	Yes	2.00	0.676	7.50	1.25	0.84	20.097	0.285	0.000	29.88	0.00
38.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	20.097	0.285	0.000	23.58	0.00
39.00	(4) #20 Reinforcement	Yes	1.00	0.673	7.50	0.63	0.42	20.247	0.287	0.000	15.00	0.00
39.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	20.247	0.287	0.000	11.88	0.00
40.00	(4) #20 Reinforcement	Yes	1.00	0.671	7.50	0.63	0.42	20.394	0.288	0.000	15.05	0.00
40.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	20.394	0.288	0.000	11.96	0.00
42.00	(4) #20 Reinforcement	Yes	2.00	0.666	7.50	1.25	0.83	20.680	0.291	0.000	30.31	0.00
42.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	20.680	0.291	0.000	24.26	0.00
44.00	(4) #20 Reinforcement	Yes	2.00	0.662	7.50	1.25	0.83	20.957	0.293	0.000	30.52	0.00
44.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	20.957	0.293	0.000	24.59	0.00
46.00	(4) #20 Reinforcement	Yes	2.00	0.658	7.50	1.25	0.82	21.225	0.296	0.000	30.71	0.00
46.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	21.225	0.296	0.000	24.90	0.00
48.00	(4) #20 Reinforcement	Yes	2.00	0.654	7.50	1.25	0.82	21.485	0.299	0.000	30.90	0.00
48.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	21.485	0.299	0.000	25.21	0.00
49.38	(4) #20 Reinforcement	Yes	1.38	0.651	7.50	0.86	0.56	21.659	0.302	0.000	21.33	0.00
49.38	(4) Reinf.	Yes	1.38	2.000	2.00	0.23	0.46	21.659	0.302	0.000	17.47	0.00
50.00	(4) #20 Reinforcement	Yes	0.63	0.650	7.50	0.39	0.25	21.737	0.304	0.000	9.71	0.00
50.00	(4) Reinf.	Yes	0.63	2.000	2.00	0.10	0.21	21.737	0.304	0.000	7.97	0.00
52.00	(4) #20 Reinforcement	Yes	2.00	0.646	7.50	1.25	0.81	21.982	0.306	0.000	31.25	0.00
52.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	21.982	0.306	0.000	25.79	0.00
53.13	(4) #20 Reinforcement	Yes	1.13	0.644	7.50	0.71	0.46	22.117	0.308	0.000	17.71	0.00
53.13	(4) Reinf.	Yes	1.13	2.000	2.00	0.19	0.38	22.117	0.308	0.000	14.66	0.00
54.00	(4) #20 Reinforcement	Yes	0.87	0.643	7.50	0.54	0.35	22.220	0.310	0.000	13.67	0.00
54.00	(4) Reinf.	Yes	0.87	2.000	2.00	0.14	0.29	22.220	0.310	0.000	11.34	0.00
56.00	(4) #20 Reinforcement	Yes	2.00	0.639	7.50	1.25	0.80	22.452	0.312	0.000	31.59	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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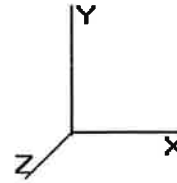
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Load Case: 0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

56.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	22.452	0.312	0.000	26.34	0.00
58.00	(4) #20 Reinforcement	Yes	2.00	0.636	7.50	1.25	0.80	22.678	0.316	0.000	31.74	0.00
58.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	22.678	0.316	0.000	26.61	0.00
60.00	(4) #20 Reinforcement	Yes	2.00	0.633	7.50	1.25	0.79	22.899	0.319	0.000	31.90	0.00
60.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	22.899	0.319	0.000	26.87	0.00
62.00	(4) #20 Reinforcement	Yes	2.00	0.630	7.50	1.25	0.79	23.114	0.323	0.000	32.05	0.00
62.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	23.114	0.323	0.000	27.12	0.00
64.00	(4) #20 Reinforcement	Yes	2.00	0.627	7.50	1.25	0.78	23.325	0.326	0.000	32.19	0.00
64.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	23.325	0.326	0.000	27.37	0.00
66.00	(4) #20 Reinforcement	Yes	2.00	0.625	7.50	1.25	0.78	23.531	0.330	0.000	32.34	0.00
66.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	23.531	0.330	0.000	27.61	0.00
68.00	(4) #20 Reinforcement	Yes	2.00	0.622	7.50	1.25	0.78	23.733	0.334	0.000	32.47	0.00
68.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	23.733	0.334	0.000	27.85	0.00
68.13	(4) #20 Reinforcement	Yes	0.13	0.622	7.50	0.08	0.05	23.746	0.336	0.000	2.11	0.00
68.13	(4) Reinf.	Yes	0.13	2.000	2.00	0.02	0.04	23.746	0.336	0.000	1.81	0.00
70.00	(4) #20 Reinforcement	Yes	1.87	0.619	7.50	1.17	0.72	23.930	0.338	0.000	30.49	0.00
70.00	(4) Reinf.	Yes	1.87	2.000	2.00	0.31	0.62	23.930	0.338	0.000	26.25	0.00
70.00	(4) #20 Reinforcement	Yes	0.00	0.619	7.50	0.00	0.00	23.930	0.339	0.000	0.05	0.00
70.00	(4) Reinf.	Yes	0.00	2.000	2.00	0.00	0.00	23.930	0.339	0.000	0.05	0.00
71.88	(4) #20 Reinforcement	Yes	1.88	0.617	7.50	1.17	0.72	24.112	0.341	0.000	30.71	0.00
71.88	(4) Reinf.	Yes	1.88	2.000	2.00	0.31	0.63	24.112	0.341	0.000	26.55	0.00
72.00	(4) #20 Reinforcement	Yes	0.12	0.617	7.50	0.08	0.05	24.123	0.343	0.000	1.96	0.00
72.00	(4) Reinf.	Yes	0.12	2.000	2.00	0.02	0.04	24.123	0.343	0.000	1.70	0.00
73.50	(4) #20 Reinforcement	Yes	1.50	0.615	7.50	0.94	0.58	24.266	0.345	0.000	24.68	0.00
73.50	(4) Reinf.	Yes	1.50	2.000	2.00	0.25	0.50	24.266	0.345	0.000	21.40	0.00
74.00	(4) #20 Reinforcement	Yes	0.50	0.614	7.50	0.31	0.19	24.313	0.341	0.000	8.16	0.00
74.00	(4) Reinf.	Yes	0.50	2.000	2.00	0.08	0.17	24.313	0.341	0.000	7.08	0.00
76.00	(4) #20 Reinforcement	Yes	2.00	0.612	7.50	1.25	0.77	24.499	0.343	0.000	32.99	0.00
76.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	24.499	0.343	0.000	28.75	0.00
78.00	(4) #20 Reinforcement	Yes	2.00	0.610	7.50	1.25	0.76	24.681	0.347	0.000	33.12	0.00
78.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	24.681	0.347	0.000	28.96	0.00
79.63	(4) #20 Reinforcement	Yes	1.63	0.608	7.50	1.02	0.62	24.828	0.351	0.000	27.07	0.00
79.63	(4) Reinf.	Yes	1.63	2.000	2.00	0.27	0.54	24.828	0.351	0.000	23.74	0.00
80.00	(4) #20 Reinforcement	Yes	0.37	0.608	7.50	0.23	0.14	24.861	0.353	0.000	6.15	0.00
80.00	(4) Reinf.	Yes	0.37	2.000	2.00	0.06	0.12	24.861	0.353	0.000	5.40	0.00
82.00	(4) #20 Reinforcement	Yes	2.00	0.606	7.50	1.25	0.76	25.037	0.318	0.000	33.35	0.00
82.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	25.037	0.318	0.000	14.69	0.00
84.00	(4) #20 Reinforcement	Yes	2.00	0.603	7.50	1.25	0.75	25.210	0.284	0.000	33.47	0.00
86.00	(4) #20 Reinforcement	Yes	2.00	0.601	7.50	1.25	0.75	25.380	0.288	0.000	33.58	0.00
88.00	(4) #20 Reinforcement	Yes	2.00	0.600	7.50	1.25	0.75	25.547	0.291	0.000	33.72	0.00
89.44	(4) #20 Reinforcement	Yes	1.44	0.600	7.50	0.90	0.54	25.666	0.294	0.000	24.39	0.00
90.00	(4) #20 Reinforcement	Yes	0.56	0.600	7.50	0.35	0.21	25.711	0.296	0.000	9.50	0.00
92.00	(4) #20 Reinforcement	Yes	2.00	0.600	7.50	1.25	0.75	25.873	0.299	0.000	34.15	0.00
94.00	(4) #20 Reinforcement	Yes	2.00	0.600	7.50	1.25	0.75	26.033	0.303	0.000	34.36	0.00
Totals:											1,974.44	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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 105.00 mph with No Ice (Reduced DL) 31 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

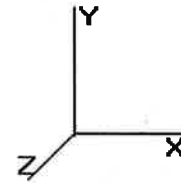
Applied Segment Forces Summary

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
2.00	212.16	474.81	0.00	0.00
4.00	210.38	472.49	0.00	0.00
6.00	208.59	470.17	0.00	0.00
8.00	206.81	467.86	0.00	0.00
9.00	137.72	233.06	0.00	0.00
10.00	137.18	232.48	0.00	0.00
12.00	272.76	463.22	0.00	0.00
14.00	270.61	460.90	0.00	0.00
16.00	268.47	458.58	0.00	0.00
18.00	266.33	456.27	0.00	0.00
20.00	264.18	453.95	0.00	0.00
22.00	262.04	451.63	0.00	0.00
24.00	259.90	449.31	0.00	0.00
26.00	257.75	446.99	0.00	0.00
28.00	255.61	444.68	0.00	0.00
30.00	253.47	442.36	0.00	0.00
31.50	191.77	330.98	0.00	0.00
32.00	64.44	159.22	0.00	0.00
34.00	273.79	638.48	0.00	0.00
35.13	160.87	357.28	0.00	0.00
35.67	78.00	202.27	0.00	0.00
36.00	47.27	84.02	0.00	0.00
38.00	289.35	508.06	0.00	0.00
39.00	347.95	397.31	0.00	0.00
40.00	145.24	252.69	0.00	0.00
42.00	292.58	503.92	0.00	0.00
44.00	293.90	501.99	0.00	0.00
46.00	295.04	500.05	0.00	0.00
48.00	296.00	498.12	0.00	0.00
49.38	203.63	341.33	0.00	0.00
50.00	92.49	154.85	0.00	0.00
52.00	297.47	494.25	0.00	0.00
53.13	167.93	278.40	0.00	0.00
54.00	129.31	213.92	0.00	0.00
56.00	298.37	490.38	0.00	0.00
58.00	298.63	488.44	0.00	0.00
60.00	298.76	486.51	0.00	0.00
62.00	298.79	484.58	0.00	0.00
64.00	298.70	482.64	0.00	0.00
66.00	298.51	480.71	0.00	0.00
68.00	298.21	478.77	0.00	0.00
68.13	19.30	31.05	0.00	0.00
70.00	278.38	445.78	0.00	0.00
70.00	0.49	0.79	0.00	0.00
71.88	283.08	571.23	0.00	0.00
72.00	18.03	36.42	0.00	0.00
73.50	226.25	455.23	0.00	0.00
74.00	74.54	109.90	0.00	0.00
76.00	300.59	441.58	0.00	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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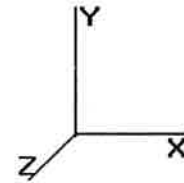
Load Case: 0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

78.00	299.88	440.03	0.00	0.00
79.63	243.67	357.48	0.00	0.00
80.00	55.12	60.86	0.00	0.00
82.00	283.55	328.05	0.00	0.00
84.00	267.73	326.51	0.00	0.00
86.00	266.52	324.96	0.00	0.00
88.00	265.28	323.42	0.00	0.00
89.44	190.07	244.60	0.00	0.00
90.00	73.64	52.56	0.00	0.00
92.00	262.76	186.73	0.00	0.00
94.00	261.41	185.18	0.00	0.00
96.00	187.85	183.64	0.00	0.00
98.00	186.45	182.09	0.00	0.00
100.0	185.01	180.55	0.00	0.00
102.0	183.52	179.00	0.00	0.00
104.0	181.99	177.45	0.00	0.00
106.0	180.42	175.91	0.00	0.00
108.0	178.81	174.36	0.00	0.00
110.0	177.16	172.82	0.00	0.00
110.0	0.29	0.29	0.00	0.00
112.0	175.17	145.75	0.00	0.00
114.0	173.74	144.83	0.00	0.00
116.0	171.97	143.67	0.00	0.00
118.0	170.17	142.51	0.00	0.00
119.0	2,957.41	1,158.29	0.00	0.00
120.0	83.84	60.50	0.00	0.00
122.0	166.46	120.13	0.00	0.00
124.0	164.56	118.97	0.00	0.00
126.0	162.62	117.81	0.00	0.00
128.0	160.64	116.65	0.00	0.00
130.0	657.59	186.77	0.00	0.00
132.0	156.60	105.47	0.00	0.00
134.0	154.53	104.31	0.00	0.00
136.0	152.44	103.14	0.00	0.00
138.0	150.31	101.98	0.00	0.00
140.0	148.15	100.82	0.00	0.00
142.0	145.96	99.66	0.00	0.00
144.0	143.75	98.49	0.00	0.00
146.0	141.51	97.33	0.00	0.00
148.0	4,792.43	2,649.02	0.00	11,529.34
150.0	540.04	114.00	0.00	5,486.37
Totals:	26,202.85	29,066.48	0.00	17,015.72

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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	105.00 mph with No Ice (Reduced DL)	31 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

Calculated Forces

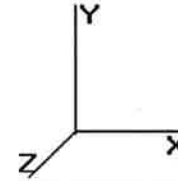
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-29.04	-26.23	0.00	-2,459.42	0.00	2,459.42	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.640
2.00	-28.52	-26.07	0.00	-2,406.95	0.00	2,406.95	3,140.17	1,570.08	4,745.43	2,343.59	0.02	-0.11	0.632
4.00	-28.00	-25.91	0.00	-2,354.81	0.00	2,354.81	3,123.00	1,561.50	4,678.76	2,310.67	0.09	-0.22	0.624
6.00	-27.48	-25.75	0.00	-2,302.98	0.00	2,302.98	3,105.67	1,552.83	4,612.30	2,277.84	0.21	-0.33	0.617
8.00	-26.98	-25.58	0.00	-2,251.48	0.00	2,251.48	3,088.17	1,544.08	4,546.05	2,245.12	0.37	-0.43	0.609
9.00	-26.72	-25.47	0.00	-2,225.89	0.00	2,225.89	3,079.35	1,539.68	4,513.00	2,228.80	0.46	-0.49	0.605
9.00	-26.72	-25.47	0.00	-2,225.89	0.00	2,225.89	3,079.35	1,539.68	4,513.00	2,228.80	0.46	-0.49	0.605
10.00	-26.45	-25.37	0.00	-2,200.42	0.00	2,200.42	3,070.50	1,535.25	4,480.00	2,212.51	0.57	-0.54	0.601
12.00	-25.94	-25.14	0.00	-2,149.69	0.00	2,149.69	3,052.67	1,526.33	4,414.18	2,180.00	0.82	-0.65	0.593
14.00	-25.44	-24.91	0.00	-2,099.42	0.00	2,099.42	3,034.67	1,517.33	4,348.59	2,147.60	1.12	-0.76	0.585
16.00	-24.94	-24.68	0.00	-2,049.60	0.00	2,049.60	3,016.50	1,508.25	4,283.23	2,115.32	1.46	-0.87	0.577
18.00	-24.44	-24.45	0.00	-2,000.23	0.00	2,000.23	2,998.17	1,499.09	4,218.10	2,083.16	1.85	-0.97	0.569
20.00	-23.95	-24.23	0.00	-1,951.33	0.00	1,951.33	2,979.67	1,489.84	4,153.23	2,051.12	2.28	-1.08	0.561
22.00	-23.46	-24.00	0.00	-1,902.87	0.00	1,902.87	2,961.01	1,480.51	4,088.60	2,019.21	2.75	-1.19	0.553
24.00	-22.97	-23.77	0.00	-1,854.88	0.00	1,854.88	2,942.18	1,471.09	4,024.24	1,987.42	3.27	-1.29	0.545
26.00	-22.48	-23.55	0.00	-1,807.33	0.00	1,807.33	2,923.18	1,461.59	3,960.14	1,955.77	3.84	-1.40	0.537
28.00	-22.00	-23.32	0.00	-1,760.24	0.00	1,760.24	2,903.09	1,451.54	3,895.07	1,923.63	4.45	-1.51	0.528
30.00	-21.53	-23.09	0.00	-1,713.60	0.00	1,713.60	2,875.19	1,437.60	3,820.15	1,886.63	5.10	-1.61	0.522
31.50	-21.18	-22.91	0.00	-1,678.89	0.00	1,678.89	2,854.23	1,427.11	3,764.32	1,859.06	5.62	-1.69	0.516
32.00	-21.00	-22.86	0.00	-1,667.52	0.00	1,667.52	2,847.30	1,423.65	3,745.97	1,849.99	5.80	-1.72	0.508
34.00	-20.34	-22.60	0.00	-1,621.79	0.00	1,621.79	2,819.40	1,409.70	3,672.50	1,813.71	6.54	-1.82	0.500
35.13	-19.97	-22.44	0.00	-1,596.37	0.00	1,596.37	2,803.71	1,401.86	3,631.50	1,793.46	6.98	-1.88	0.496
35.67	-19.76	-22.36	0.00	-1,584.14	0.00	1,584.14	2,253.05	1,126.52	2,980.43	1,471.92	7.19	-1.91	0.445
36.00	-19.66	-22.33	0.00	-1,576.76	0.00	1,576.76	2,250.52	1,125.41	2,972.64	1,468.08	7.33	-1.92	0.444
38.00	-19.14	-22.04	0.00	-1,532.10	0.00	1,532.10	2,237.24	1,118.62	2,925.53	1,444.81	8.15	-2.01	0.435
39.00	-18.74	-21.70	0.00	-1,510.06	0.00	1,510.06	2,230.38	1,115.19	2,902.02	1,433.20	8.57	-2.05	0.431
40.00	-18.47	-21.56	0.00	-1,488.36	0.00	1,488.36	2,223.49	1,111.74	2,878.55	1,421.61	9.01	-2.09	0.426
42.00	-17.94	-21.28	0.00	-1,445.24	0.00	1,445.24	2,209.57	1,104.78	2,831.72	1,398.48	9.90	-2.18	0.418
44.00	-17.42	-20.99	0.00	-1,402.68	0.00	1,402.68	2,195.48	1,097.74	2,785.05	1,375.43	10.83	-2.26	0.409
46.00	-16.90	-20.70	0.00	-1,360.70	0.00	1,360.70	2,181.23	1,090.62	2,738.53	1,352.46	11.80	-2.34	0.400
48.00	-16.39	-20.40	0.00	-1,319.30	0.00	1,319.30	2,166.82	1,083.41	2,692.17	1,329.56	12.80	-2.42	0.392
49.38	-16.05	-20.20	0.00	-1,291.25	0.00	1,291.25	2,156.81	1,078.40	2,660.41	1,313.87	13.50	-2.48	0.386
49.38	-16.05	-20.20	0.00	-1,291.25	0.00	1,291.25	2,156.81	1,078.40	2,660.41	1,313.87	13.50	-2.48	0.401
50.00	-15.88	-20.11	0.00	-1,278.63	0.00	1,278.63	2,152.23	1,076.12	2,645.99	1,306.76	13.83	-2.51	0.398
52.00	-15.37	-19.81	0.00	-1,238.40	0.00	1,238.40	2,137.48	1,068.74	2,599.99	1,284.04	14.90	-2.59	0.389
53.13	-15.09	-19.64	0.00	-1,216.02	0.00	1,216.02	2,129.08	1,064.54	2,574.08	1,271.24	15.52	-2.64	0.384
53.13	-15.09	-19.64	0.00	-1,216.02	0.00	1,216.02	2,129.08	1,064.54	2,574.08	1,271.24	15.52	-2.64	0.393
54.00	-14.86	-19.52	0.00	-1,198.93	0.00	1,198.93	2,122.57	1,061.28	2,554.17	1,261.41	16.00	-2.67	0.389
56.00	-14.36	-19.22	0.00	-1,159.89	0.00	1,159.89	2,107.48	1,053.74	2,508.54	1,238.87	17.14	-2.76	0.380
58.00	-13.86	-18.92	0.00	-1,121.46	0.00	1,121.46	2,092.24	1,046.12	2,463.11	1,216.44	18.32	-2.84	0.371
60.00	-13.36	-18.61	0.00	-1,083.63	0.00	1,083.63	2,076.82	1,038.41	2,417.88	1,194.10	19.52	-2.93	0.362
62.00	-12.86	-18.31	0.00	-1,046.40	0.00	1,046.40	2,061.24	1,030.62	2,372.86	1,171.87	20.77	-3.01	0.353
64.00	-12.37	-18.00	0.00	-1,009.79	0.00	1,009.79	2,045.49	1,022.75	2,328.07	1,149.74	22.05	-3.09	0.344
66.00	-11.88	-17.69	0.00	-973.78	0.00	973.78	2,029.58	1,014.79	2,283.49	1,127.73	23.36	-3.17	0.335
68.00	-11.41	-17.38	0.00	-938.40	0.00	938.40	2,008.56	1,004.28	2,233.65	1,103.12	24.70	-3.25	0.327
68.13	-11.37	-17.36	0.00	-936.14	0.00	936.14	2,007.04	1,003.52	2,230.27	1,101.45	24.79	-3.26	0.327
68.13	-11.37	-17.36	0.00	-936.14	0.00	936.14	2,007.04	1,003.52	2,230.27	1,101.45	24.79	-3.26	0.297
70.00	-10.93	-17.07	0.00	-903.67	0.00	903.67	1,985.27	992.64	2,181.87	1,077.55	26.08	-3.33	0.291
70.00	-10.92	-17.07	0.00	-903.61	0.00	903.61	1,985.24	992.62	2,181.79	1,077.50	26.08	-3.33	0.291
71.88	-10.35	-16.76	0.00	-871.57	0.00	871.57	1,963.39	981.69	2,133.76	1,053.78	27.40	-3.39	0.278
71.88	-10.35	-16.76	0.00	-871.57	0.00	871.57	1,963.39	981.69	2,133.76	1,053.78	27.40	-3.39	0.287

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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 105.00 mph with No Ice (Reduced DL) 31 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

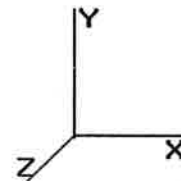
Wind Load Factor : 1.60

72.00	-10.31	-16.75	0.00	-869.56	0.00	869.56	1,961.99	981.00	2,130.70	1,052.27	27.49	-3.40	0.287
73.50	-9.86	-16.50	0.00	-844.38	0.00	844.38	1,473.96	736.98	1,624.57	802.31	28.57	-3.45	0.325
74.00	-9.74	-16.43	0.00	-836.19	0.00	836.19	1,471.43	735.72	1,617.01	798.58	28.93	-3.47	0.323
76.00	-9.30	-16.11	0.00	-803.33	0.00	803.33	1,461.13	730.56	1,586.64	783.58	30.40	-3.54	0.313
78.00	-8.86	-15.80	0.00	-771.11	0.00	771.11	1,450.65	725.33	1,556.35	768.62	31.90	-3.62	0.303
79.63	-8.51	-15.54	0.00	-745.36	0.00	745.36	1,442.00	721.00	1,531.74	756.47	33.14	-3.67	0.295
79.63	-8.51	-15.54	0.00	-745.36	0.00	745.36	1,442.00	721.00	1,531.74	756.47	33.14	-3.67	0.295
80.00	-8.44	-15.48	0.00	-739.61	0.00	739.61	1,440.02	720.01	1,526.16	753.71	33.43	-3.69	0.289
82.00	-8.10	-15.19	0.00	-708.64	0.00	708.64	1,429.21	714.61	1,496.08	738.86	34.99	-3.78	0.277
84.00	-7.77	-14.92	0.00	-678.25	0.00	678.25	1,418.24	709.12	1,466.10	724.05	36.59	-3.87	0.264
86.00	-7.44	-14.64	0.00	-648.42	0.00	648.42	1,407.10	703.55	1,436.24	709.30	38.23	-3.96	0.251
88.00	-7.12	-14.36	0.00	-619.14	0.00	619.14	1,395.80	697.90	1,406.50	694.62	39.91	-4.05	0.239
89.44	-6.88	-14.16	0.00	-598.46	0.00	598.46	1,387.56	693.78	1,385.17	684.08	41.14	-4.11	0.231
89.44	-6.88	-14.16	0.00	-598.46	0.00	598.46	1,387.56	693.78	1,385.17	684.08	41.14	-4.11	0.231
90.00	-6.80	-14.10	0.00	-590.53	0.00	590.53	1,384.33	692.17	1,376.89	680.00	41.62	-4.13	0.231
92.00	-6.58	-13.85	0.00	-562.34	0.00	562.34	1,372.70	686.35	1,347.42	665.44	43.40	-4.36	0.231
94.00	-6.36	-13.60	0.00	-534.64	0.00	534.64	1,360.89	680.45	1,318.09	650.96	45.27	-4.58	0.231
96.00	-6.14	-13.42	0.00	-507.45	0.00	507.45	1,348.92	674.46	1,288.91	636.54	47.24	-4.81	0.231
98.00	-5.93	-13.24	0.00	-480.61	0.00	480.61	1,336.79	668.39	1,259.89	622.21	49.30	-5.02	0.231
100.00	-5.72	-13.06	0.00	-454.13	0.00	454.13	1,324.49	662.24	1,231.02	607.96	51.45	-5.24	0.231
102.00	-5.51	-12.88	0.00	-428.00	0.00	428.00	1,312.02	656.01	1,202.33	593.78	53.68	-5.45	0.231
104.00	-5.30	-12.70	0.00	-402.24	0.00	402.24	1,299.39	649.69	1,173.81	579.70	56.01	-5.66	0.231
106.00	-5.10	-12.52	0.00	-376.83	0.00	376.83	1,284.34	642.17	1,143.47	564.72	58.42	-5.86	0.231
108.00	-4.91	-12.34	0.00	-351.79	0.00	351.79	1,265.75	632.87	1,110.41	548.39	60.91	-6.06	0.231
110.00	-4.73	-12.16	0.00	-327.10	0.00	327.10	1,247.15	623.58	1,077.84	532.30	63.49	-6.26	0.231
110.00	-4.71	-12.17	0.00	-327.05	0.00	327.05	1,247.12	623.56	1,077.78	532.28	63.49	-6.26	0.231
110.00	-4.71	-12.17	0.00	-327.05	0.00	327.05	856.50	428.25	744.58	367.72	63.49	-6.26	0.231
112.00	-4.54	-11.99	0.00	-302.76	0.00	302.76	849.29	424.65	727.25	359.16	66.15	-6.44	0.231
114.00	-4.37	-11.82	0.00	-278.78	0.00	278.78	841.90	420.95	709.95	350.62	68.89	-6.68	0.231
116.00	-4.20	-11.65	0.00	-255.14	0.00	255.14	834.35	417.17	692.70	342.10	71.73	-6.91	0.231
118.00	-4.05	-11.48	0.00	-231.84	0.00	231.84	826.63	413.31	675.51	333.61	74.67	-7.13	0.231
119.00	-3.25	-8.40	0.00	-220.36	0.00	220.36	822.70	411.35	666.94	329.38	76.17	-7.24	0.231
120.00	-3.18	-8.32	0.00	-211.96	0.00	211.96	818.74	409.37	658.39	325.15	77.70	-7.34	0.231
122.00	-3.06	-8.15	0.00	-195.32	0.00	195.32	810.68	405.34	641.34	316.73	80.81	-7.55	0.231
124.00	-2.93	-7.98	0.00	-179.02	0.00	179.02	802.46	401.23	624.37	308.35	84.00	-7.74	0.231
126.00	-2.82	-7.81	0.00	-163.06	0.00	163.06	794.08	397.04	607.49	300.02	87.27	-7.93	0.231
128.00	-2.70	-7.65	0.00	-147.43	0.00	147.43	785.52	392.76	590.71	291.73	90.62	-8.11	0.231
130.00	-2.59	-6.98	0.00	-132.14	0.00	132.14	776.80	388.40	574.02	283.49	94.04	-8.27	0.231
132.00	-2.49	-6.81	0.00	-118.19	0.00	118.19	767.92	383.96	557.44	275.30	97.53	-8.43	0.231
134.00	-2.39	-6.65	0.00	-104.56	0.00	104.56	758.87	379.43	540.98	267.17	101.08	-8.58	0.231
136.00	-2.30	-6.49	0.00	-91.26	0.00	91.26	749.65	374.82	524.63	259.10	104.70	-8.72	0.231
138.00	-2.21	-6.33	0.00	-78.29	0.00	78.29	740.26	370.13	508.41	251.09	108.36	-8.85	0.231
140.00	-2.12	-6.17	0.00	-65.63	0.00	65.63	730.85	365.43	492.42	243.19	112.08	-8.96	0.231
142.00	-2.03	-6.02	0.00	-53.28	0.00	53.28	716.87	358.43	473.65	233.92	115.84	-9.06	0.231
144.00	-1.95	-5.86	0.00	-41.25	0.00	41.25	702.88	351.44	455.24	224.83	119.64	-9.15	0.187
146.00	-1.87	-5.71	0.00	-29.53	0.00	29.53	688.90	344.45	437.20	215.92	123.47	-9.21	0.140
148.00	-0.03	-0.55	0.00	-6.59	0.00	6.59	674.91	337.46	419.53	207.19	127.33	-9.26	0.032
150.00	0.00	-0.54	0.00	-5.49	0.00	5.49	660.93	330.46	402.22	198.64	131.19	-9.27	0.028

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	29 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		

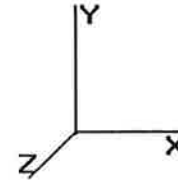
Shaft Segment Forces (Factored)

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
2.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.133	2.00	6.800	8.16	38.2	112.1	609.1
4.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.215	2.00	6.774	8.13	38.1	119.4	613.3
6.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.265	2.00	6.736	8.08	37.8	123.5	614.3
8.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.302	2.00	6.694	8.03	37.6	126.2	613.9
9.00	Reinf. Top Reinf Bottom	1.00	0.70	4.256	4.682	0.000	1.200	* 1.317	1.00	3.330	4.00	18.7	63.6	306.3
10.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.331	1.00	3.318	3.98	18.6	64.0	305.9
12.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.356	2.00	6.604	7.93	37.1	129.4	610.9
14.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.377	2.00	6.557	7.87	36.8	130.3	608.8
16.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.395	2.00	6.509	7.81	36.6	131.0	606.4
18.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.412	2.00	6.461	7.75	36.3	131.5	603.7
20.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.427	2.00	6.412	7.69	36.0	131.8	600.9
22.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.440	2.00	6.362	7.63	35.7	131.9	598.0
24.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.453	2.00	6.312	7.57	35.5	131.9	594.9
26.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.465	2.00	6.262	7.51	35.2	131.9	591.7
28.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.476	2.00	6.212	7.45	34.9	131.7	588.5
30.00		1.00	0.70	4.260	4.686	0.000	1.200	* 1.486	2.00	6.161	7.39	34.6	131.4	585.1
31.50	Bot - Section 2	1.00	0.71	4.320	4.751	0.000	1.200	* 1.493	1.50	4.597	5.52	26.2	98.6	437.6
32.00		1.00	0.71	4.339	4.773	0.000	1.200	* 1.495	0.50	1.539	1.85	8.8	33.2	211.6
34.00		1.00	0.72	4.415	4.856	0.000	1.200	* 1.504	2.00	6.167	7.40	35.9	133.1	848.3
35.13	Reinf Bottom	1.00	0.73	4.456	4.902	0.000	1.200	* 1.509	1.13	3.446	4.14	20.3	74.8	474.6
35.67	Top - Section 1	1.00	0.73	4.476	4.923	0.000	1.200	* 1.512	0.54	1.663	2.00	9.8	36.2	258.9
36.00		1.00	0.73	4.487	4.936	0.000	1.200	* 1.513	0.33	1.005	1.21	6.0	21.9	105.5
38.00		1.00	0.75	4.557	5.013	0.000	1.200	* 1.521	2.00	6.064	7.28	36.5	132.2	637.2
39.00	Appertunance(s)	1.00	0.75	4.591	5.050	0.000	1.200	* 1.525	1.00	3.013	3.62	18.3	66.0	317.5
40.00		1.00	0.76	4.625	5.087	0.000	1.200	* 1.529	1.00	3.000	3.60	18.3	65.8	316.7
42.00		1.00	0.77	4.689	5.158	0.000	1.200	* 1.537	2.00	5.961	7.15	36.9	131.1	631.0
44.00		1.00	0.78	4.752	5.227	0.000	1.200	* 1.544	2.00	5.910	7.09	37.1	130.5	627.8
46.00		1.00	0.79	4.813	5.294	0.000	1.200	* 1.551	2.00	5.858	7.03	37.2	129.8	624.5
48.00		1.00	0.80	4.872	5.359	0.000	1.200	* 1.557	2.00	5.806	6.97	37.3	129.2	621.3
49.38	Reinf. Top Reinf Bottom	1.00	0.80	4.911	5.402	0.000	1.200	* 1.562	1.38	3.961	4.75	25.7	88.5	425.3
50.00		1.00	0.81	4.929	5.422	0.000	1.200	* 1.564	0.63	1.792	2.15	11.7	40.1	192.8
52.00		1.00	0.82	4.984	5.483	0.000	1.200	* 1.570	2.00	5.702	6.84	37.5	127.7	614.6
53.13	Reinf. Top Reinf Bottom	1.00	0.82	5.015	5.517	0.000	1.200	* 1.573	1.13	3.198	3.84	21.2	71.9	345.9
54.00		1.00	0.82	5.039	5.542	0.000	1.200	* 1.576	0.87	2.451	2.94	16.3	55.2	265.6
56.00		1.00	0.83	5.091	5.600	0.000	1.200	* 1.581	2.00	5.598	6.72	37.6	126.1	607.9
58.00		1.00	0.84	5.142	5.657	0.000	1.200	* 1.587	2.00	5.546	6.65	37.6	125.3	604.5
60.00		1.00	0.85	5.193	5.712	0.000	1.200	* 1.592	2.00	5.493	6.59	37.7	124.4	601.1
62.00		1.00	0.86	5.241	5.766	0.000	1.200	* 1.598	2.00	5.441	6.53	37.6	123.6	597.6
64.00		1.00	0.87	5.289	5.818	0.000	1.200	* 1.603	2.00	5.389	6.47	37.6	122.7	594.2
66.00		1.00	0.87	5.336	5.869	0.000	1.200	* 1.608	2.00	5.336	6.40	37.6	121.8	590.7
68.00		1.00	0.88	5.382	5.920	0.000	1.200	* 1.612	2.00	5.284	6.34	37.5	120.9	587.2
68.13	Reinf. Top Reinf Bottom	1.00	0.88	5.384	5.923	0.000	1.200	* 1.613	0.13	0.342	0.41	2.4	7.9	38.1
70.00		1.00	0.89	5.426	5.969	0.000	1.200	* 1.617	1.87	4.889	5.87	35.0	112.1	545.6
70.00	Bot - Section 3	1.00	0.89	5.426	5.969	0.000	1.200	* 1.617	0.00	0.009	0.01	0.1	0.2	1.0
71.88	Reinf. Top Reinf Bottom	1.00	0.89	5.468	6.014	0.000	1.200	* 1.621	1.88	4.942	5.93	35.7	113.6	713.8
72.00		1.00	0.90	5.470	6.017	0.000	1.200	* 1.622	0.12	0.314	0.38	2.3	7.3	45.5
73.50	Top - Section 2	1.00	0.90	5.503	6.053	0.000	1.200	* 1.625	1.50	3.923	4.71	28.5	90.4	568.1
74.00		1.00	0.90	5.513	6.064	0.000	1.200	* 1.626	0.50	1.289	1.55	9.4	29.8	133.6
76.00		1.00	0.91	5.555	6.111	0.000	1.200	* 1.631	2.00	5.160	6.19	37.8	119.1	535.8
78.00		1.00	0.92	5.597	6.156	0.000	1.200	* 1.635	2.00	5.107	6.13	37.7	118.1	532.8

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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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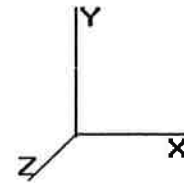
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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	29 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

79.63	Reinf. Top	1.00	0.92	5.630	6.193	0.000	1.200	*	1.638	1.63	4.123	4.95	30.6	95.6	432.0
80.00		1.00	0.92	5.637	6.201	0.000	1.200	*	1.639	0.37	0.931	1.12	6.9	21.7	77.7
82.00		1.00	0.93	5.677	6.245	0.000	1.200	*	1.643	2.00	5.002	6.00	37.5	116.0	417.7
84.00		1.00	0.94	5.716	6.288	0.000	1.200	*	1.647	2.00	4.949	5.94	37.3	115.0	414.6
86.00		1.00	0.94	5.755	6.331	0.000	1.200	*	1.651	2.00	4.896	5.88	37.2	114.0	411.5
88.00		1.00	0.95	5.793	6.372	0.000	1.200	*	1.655	2.00	4.843	5.81	37.0	112.9	408.4
89.44	Reinf. Top	1.00	0.95	5.820	6.402	0.000	1.200	*	1.657	1.44	3.454	4.15	26.5	80.7	304.9
90.00		1.00	0.95	5.830	6.413	0.000	1.200	*	1.658	0.56	1.336	1.60	10.3	31.3	75.8
92.00		1.00	0.96	5.867	6.454	0.000	1.200	*	1.662	2.00	4.737	5.68	36.7	110.7	268.5
94.00		1.00	0.97	5.903	6.493	0.000	1.200	*	1.666	2.00	4.685	5.62	36.5	109.6	265.3
96.00		1.00	0.97	5.939	6.533	0.000	1.200		1.669	2.00	4.632	5.56	36.3	108.5	262.1
98.00		1.00	0.98	5.974	6.571	0.000	1.200		1.672	2.00	4.579	5.49	36.1	107.4	259.0
100.0		1.00	0.98	6.008	6.609	0.000	1.200		1.676	2.00	4.526	5.43	35.9	106.3	255.8
102.0		1.00	0.99	6.043	6.647	0.000	1.200		1.679	2.00	4.473	5.37	35.7	105.1	252.6
104.0		1.00	0.99	6.076	6.684	0.000	1.200		1.682	2.00	4.420	5.30	35.4	104.0	249.4
106.0		1.00	1.00	6.109	6.720	0.000	1.200		1.686	2.00	4.367	5.24	35.2	102.8	246.1
108.0		1.00	1.01	6.142	6.756	0.000	1.200		1.689	2.00	4.314	5.18	35.0	101.6	242.9
110.0		1.00	1.01	6.174	6.792	0.000	1.200		1.692	2.00	4.261	5.11	34.7	100.5	239.7
110.0	Top - Section 3	1.00	1.01	6.174	6.792	0.000	1.200		1.692	0.00	0.007	0.01	0.1	0.2	0.4
112.0		1.00	1.02	6.206	6.827	0.000	1.200		1.695	2.00	4.201	5.04	34.4	99.1	202.4
114.0		1.00	1.02	6.238	6.861	0.000	1.200		1.698	2.00	4.155	4.99	34.2	98.1	200.0
116.0		1.00	1.03	6.269	6.896	0.000	1.200		1.701	2.00	4.102	4.92	33.9	96.9	197.2
118.0		1.00	1.03	6.299	6.929	0.000	1.200		1.704	2.00	4.048	4.86	33.7	95.7	194.5
119.0	Appertunance(s)	1.00	1.03	6.315	6.946	0.000	1.200		1.705	1.00	2.004	2.41	16.7	47.5	96.4
120.0		1.00	1.04	6.330	6.963	0.000	1.200		1.707	1.00	1.991	2.39	16.6	47.2	95.7
122.0		1.00	1.04	6.360	6.996	0.000	1.200		1.710	2.00	3.942	4.73	33.1	93.3	188.9
124.0		1.00	1.05	6.389	7.028	0.000	1.200		1.712	2.00	3.889	4.67	32.8	92.0	186.2
126.0		1.00	1.05	6.419	7.060	0.000	1.200		1.715	2.00	3.836	4.60	32.5	90.8	183.4
128.0		1.00	1.06	6.448	7.092	0.000	1.200		1.718	2.00	3.783	4.54	32.2	89.6	180.6
130.0	Appertunance(s)	1.00	1.06	6.476	7.124	0.000	1.200		1.720	2.00	3.729	4.48	31.9	88.3	177.8
132.0		1.00	1.07	6.504	7.155	0.000	1.200		1.723	2.00	3.676	4.41	31.6	87.0	175.0
134.0		1.00	1.07	6.532	7.186	0.000	1.200		1.726	2.00	3.623	4.35	31.2	85.8	172.2
136.0		1.00	1.07	6.560	7.216	0.000	1.200		1.728	2.00	3.570	4.28	30.9	84.5	169.4
138.0		1.00	1.08	6.588	7.246	0.000	1.200		1.731	2.00	3.517	4.22	30.6	83.3	166.5
140.0		1.00	1.08	6.615	7.276	0.000	1.200		1.733	2.00	3.463	4.16	30.2	82.0	163.7
142.0		1.00	1.09	6.642	7.306	0.000	1.200		1.736	2.00	3.410	4.09	29.9	80.7	160.9
144.0		1.00	1.09	6.668	7.335	0.000	1.200		1.738	2.00	3.357	4.03	29.5	79.4	158.1
146.0		1.00	1.10	6.695	7.364	0.000	1.200		1.741	2.00	3.304	3.96	29.2	78.1	155.2
148.0	Appertunance(s)	1.00	1.10	6.721	7.393	0.000	1.200		1.743	2.00	3.250	3.90	28.8	76.8	152.4
150.0	Appertunance(s)	1.00	1.11	6.746	7.421	0.000	1.200		1.745	2.00	3.197	3.84	28.5	75.5	149.5
* = Cf Adjusted By Linear Load Ra Effect										Totals:	150.00		2,654.4	8,446.3	32,916.1

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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



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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 29 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

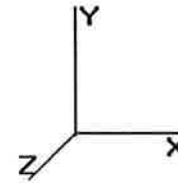
Discrete Appurtenance Segment Forces (Factored)

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)
39.00	Stand-off	1	4.591	5.050	1.00	1.00	7.58	0.000	0.000	38.28	0.00	0.00	219.06
39.00	GPS	1	4.591	5.050	0.50	1.00	0.44	0.000	0.000	2.23	0.00	0.00	44.20
119.0	Antel BXA-80063/4CF	3	6.315	6.946	0.76	0.80	11.47	0.000	0.000	79.70	0.00	0.00	88.84
119.0	Round T-Arm	3	6.315	6.946	0.67	0.75	26.79	0.000	0.000	186.09	0.00	0.00	1,321.90
119.0	RFS FD9R6004/1C-3L	6	6.315	6.946	0.50	0.80	1.38	0.000	0.000	9.57	0.00	0.00	98.45
119.0	PCS1900 Dual Duplex	6	6.315	6.946	0.50	0.80	3.23	0.000	0.000	22.41	0.00	0.00	325.92
119.0	Alcatel-Lucent RRH2x	3	6.315	6.946	0.50	0.80	3.35	0.000	0.000	23.24	0.00	0.00	372.66
119.0	Antel BXA-171063-8BF	3	6.315	6.946	0.87	0.80	7.90	0.000	0.000	54.91	0.00	0.00	280.28
119.0	Antel BXA-171085-8CF	3	6.315	6.946	0.87	0.80	7.90	0.000	0.000	54.91	0.00	0.00	280.28
119.0	RFS DB-T1-6Z-8AB-0Z	1	6.315	6.946	1.00	0.80	4.52	0.000	0.000	31.41	0.00	0.00	192.67
119.0	Antel BXA-70063/6CF	3	6.315	6.946	0.75	0.80	15.82	0.000	0.000	109.88	0.00	0.00	548.92
130.0	RFS APXV18-206517S-	3	6.476	7.124	0.82	0.80	12.57	0.000	0.000	89.58	0.00	0.00	441.52
148.0	Ericsson RRUS 11 (Ba	6	6.785	7.463	0.50	0.75	7.12	0.000	5.000	53.13	0.00	265.66	877.64
148.0	Powerwave LGP13519	6	6.785	7.463	0.50	0.75	1.26	0.000	5.000	9.41	0.00	47.06	128.29
148.0	Allgon 7770.00	6	6.785	7.463	0.77	0.75	25.75	0.000	5.000	192.16	0.00	960.78	229.68
148.0	7' Omni	1	6.785	7.463	1.00	0.75	2.79	0.000	5.000	20.82	0.00	104.12	124.76
148.0	Flat Platform w/ Han	1	6.721	7.393	1.00	1.00	67.27	0.000	0.000	497.33	0.00	0.00	3,372.17
148.0	TMA-DD1900	6	6.785	7.463	0.50	0.75	1.86	0.000	5.000	13.90	0.00	69.49	202.69
148.0	Raycap DC6-48-60-18-	1	6.785	7.463	1.00	0.75	2.14	0.000	5.000	15.96	0.00	79.82	130.96
148.0	KMW AM-X-CD-16-65-	3	6.785	7.463	0.79	0.75	16.55	0.000	5.000	123.54	0.00	617.71	740.16
157.0	15' Omni	1	6.945	7.639	1.00	1.00	9.92	0.000	9.000	75.81	0.00	1,213.02	246.00
154.0	8' Dipole	1	6.872	7.559	1.00	1.00	7.68	0.000	6.000	58.05	0.00	580.46	93.95
										1,762.33			10,360.97

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
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 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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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	29 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		

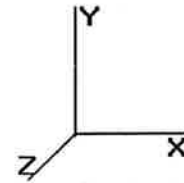
Linear Appurtenance Segment Forces (Factored)

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)
2.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.63	0.00	4.256	0.195	1.284	0.00	24.94
4.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.65	0.00	4.256	0.196	1.289	0.00	26.67
6.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.67	0.00	4.256	0.198	1.294	0.00	27.76
8.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.68	0.00	4.256	0.200	1.299	0.00	28.56
9.00	(4) #20 Reinforcement	Yes	1.00	1.200	7.50	0.84	1.01	4.256	0.201	0.000	4.74	14.45
10.00	(4) #20 Reinforcement	Yes	1.00	1.200	7.50	0.85	1.02	4.256	0.202	0.000	4.76	14.61
12.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.70	2.04	4.256	0.203	0.000	9.56	29.75
14.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.71	2.05	4.256	0.205	0.000	9.60	30.22
16.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.72	2.06	4.256	0.207	0.000	9.64	30.63
18.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.72	2.06	4.256	0.209	0.000	9.67	31.00
20.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.73	2.07	4.256	0.211	0.000	9.69	31.34
22.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.73	2.08	4.256	0.213	0.000	9.72	31.65
24.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.73	2.08	4.256	0.214	0.000	9.74	31.93
26.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.74	2.09	4.256	0.216	0.000	9.77	32.20
28.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.74	2.09	4.256	0.219	0.000	9.79	32.45
30.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.75	2.09	4.260	0.221	0.000	9.81	32.68
31.50	(4) #20 Reinforcement	Yes	1.50	1.200	7.50	1.31	1.58	4.320	0.222	0.000	7.49	24.69
32.00	(4) #20 Reinforcement	Yes	0.50	1.200	7.50	0.43	0.52	4.339	0.224	0.000	2.49	8.17
34.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.75	2.10	4.415	0.255	0.000	10.21	33.11
34.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.42	0.83	4.415	0.255	0.000	4.05	7.78
35.13	(4) #20 Reinforcement	Yes	1.13	1.200	7.50	0.99	1.18	4.456	0.287	0.000	5.80	18.69
35.13	(4) Reinf.	Yes	1.13	2.000	2.00	0.47	0.94	4.456	0.287	0.000	4.61	8.79
35.67	(4) #20 Reinforcement	Yes	0.54	1.200	7.50	0.48	0.57	4.476	0.288	0.000	2.82	9.07
35.67	(4) Reinf.	Yes	0.54	2.000	2.00	0.23	0.46	4.476	0.288	0.000	2.25	4.27
36.00	(4) #20 Reinforcement	Yes	0.33	1.200	7.50	0.29	0.35	4.487	0.283	0.000	1.71	5.50
36.00	(4) Reinf.	Yes	0.33	2.000	2.00	0.14	0.28	4.487	0.283	0.000	1.36	2.59
38.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.76	2.11	4.557	0.285	0.000	10.57	33.49
38.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.84	1.68	4.557	0.285	0.000	8.43	15.79
39.00	(4) #20 Reinforcement	Yes	1.00	1.200	7.50	0.88	1.06	4.591	0.287	0.000	5.33	16.79
39.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.42	0.84	4.591	0.287	0.000	4.25	7.92
40.00	(4) #20 Reinforcement	Yes	1.00	1.200	7.50	0.88	1.06	4.625	0.288	0.000	5.37	16.84
40.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.42	0.84	4.625	0.288	0.000	4.29	7.95
42.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.76	2.11	4.689	0.291	0.000	10.91	33.85
42.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.85	1.69	4.689	0.291	0.000	8.72	16.00
44.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.76	2.12	4.752	0.293	0.000	11.07	34.01
44.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.85	1.70	4.752	0.293	0.000	8.86	16.10
46.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.77	2.12	4.813	0.296	0.000	11.23	34.17
46.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.85	1.70	4.813	0.296	0.000	9.00	16.19
48.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.77	2.12	4.872	0.299	0.000	11.38	34.32
48.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.85	1.70	4.872	0.299	0.000	9.14	16.28
49.38	(4) #20 Reinforcement	Yes	1.38	1.200	7.50	1.22	1.46	4.911	0.302	0.000	7.89	23.67
49.38	(4) Reinf.	Yes	1.38	2.000	2.00	0.59	1.17	4.911	0.302	0.000	6.34	11.24
50.00	(4) #20 Reinforcement	Yes	0.63	1.200	7.50	0.55	0.66	4.929	0.304	0.000	3.60	10.77
50.00	(4) Reinf.	Yes	0.63	2.000	2.00	0.27	0.53	4.929	0.304	0.000	2.90	5.12
52.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.77	2.13	4.984	0.306	0.000	11.67	34.61
52.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.86	1.71	4.984	0.306	0.000	9.39	16.46
53.13	(4) #20 Reinforcement	Yes	1.13	1.200	7.50	1.00	1.20	5.015	0.308	0.000	6.64	19.60
53.13	(4) Reinf.	Yes	1.13	2.000	2.00	0.48	0.97	5.015	0.308	0.000	5.35	9.32
54.00	(4) #20 Reinforcement	Yes	0.87	1.200	7.50	0.77	0.93	5.039	0.310	0.000	5.14	15.12
54.00	(4) Reinf.	Yes	0.87	2.000	2.00	0.37	0.75	5.039	0.310	0.000	4.14	7.19
56.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.78	2.13	5.091	0.312	0.000	11.94	34.88

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	29 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		

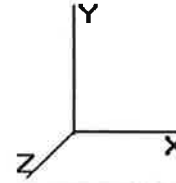
56.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.86	1.72	5.091	0.312	0.000	9.64	16.62
58.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.78	2.13	5.142	0.316	0.000	12.08	35.01
58.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.86	1.72	5.142	0.316	0.000	9.76	16.70
60.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.78	2.14	5.193	0.319	0.000	12.21	35.14
60.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.86	1.73	5.193	0.319	0.000	9.87	16.77
62.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.78	2.14	5.241	0.323	0.000	12.33	35.26
62.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.87	1.73	5.241	0.323	0.000	9.98	16.85
64.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.78	2.14	5.289	0.326	0.000	12.46	35.38
64.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.87	1.74	5.289	0.326	0.000	10.10	16.92
66.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.79	2.14	5.336	0.330	0.000	12.58	35.50
66.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.87	1.74	5.336	0.330	0.000	10.20	16.99
68.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.79	2.14	5.382	0.334	0.000	12.70	35.61
68.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.87	1.74	5.382	0.334	0.000	10.31	17.05
68.13	(4) #20 Reinforcement	Yes	0.13	1.200	7.50	0.12	0.14	5.384	0.336	0.000	0.83	2.31
68.13	(4) Reinf.	Yes	0.13	2.000	2.00	0.06	0.11	5.384	0.336	0.000	0.67	1.11
70.00	(4) #20 Reinforcement	Yes	1.87	1.200	7.50	1.67	2.01	5.426	0.338	0.000	11.98	33.40
70.00	(4) Reinf.	Yes	1.87	2.000	2.00	0.82	1.63	5.426	0.338	0.000	9.74	16.01
70.00	(4) #20 Reinforcement	Yes	0.00	1.200	7.50	0.00	0.00	5.426	0.339	0.000	0.02	0.06
70.00	(4) Reinf.	Yes	0.00	2.000	2.00	0.00	0.00	5.426	0.339	0.000	0.02	0.03
71.88	(4) #20 Reinforcement	Yes	1.88	1.200	7.50	1.68	2.02	5.468	0.341	0.000	12.13	33.61
71.88	(4) Reinf.	Yes	1.88	2.000	2.00	0.82	1.64	5.468	0.341	0.000	9.86	16.12
72.00	(4) #20 Reinforcement	Yes	0.12	1.200	7.50	0.11	0.13	5.470	0.343	0.000	0.78	2.15
72.00	(4) Reinf.	Yes	0.12	2.000	2.00	0.05	0.10	5.470	0.343	0.000	0.63	1.03
73.50	(4) #20 Reinforcement	Yes	1.50	1.200	7.50	1.35	1.62	5.503	0.345	0.000	9.78	26.99
73.50	(4) Reinf.	Yes	1.50	2.000	2.00	0.66	1.32	5.503	0.345	0.000	7.96	12.95
74.00	(4) #20 Reinforcement	Yes	0.50	1.200	7.50	0.45	0.53	5.513	0.341	0.000	3.24	8.92
74.00	(4) Reinf.	Yes	0.50	2.000	2.00	0.22	0.43	5.513	0.341	0.000	2.64	4.28
76.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.79	2.15	5.555	0.343	0.000	13.15	36.03
76.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.88	1.75	5.555	0.343	0.000	10.72	17.31
78.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.79	2.15	5.597	0.347	0.000	13.26	36.13
78.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.88	1.76	5.597	0.347	0.000	10.81	17.37
79.63	(4) #20 Reinforcement	Yes	1.63	1.200	7.50	1.46	1.76	5.630	0.351	0.000	10.88	29.51
79.63	(4) Reinf.	Yes	1.63	2.000	2.00	0.72	1.43	5.630	0.351	0.000	8.88	14.20
80.00	(4) #20 Reinforcement	Yes	0.37	1.200	7.50	0.33	0.40	5.637	0.353	0.000	2.47	6.70
80.00	(4) Reinf.	Yes	0.37	2.000	2.00	0.16	0.33	5.637	0.353	0.000	2.02	3.22
82.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.80	2.16	5.677	0.318	0.000	13.47	36.33
82.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.44	0.88	5.677	0.318	0.000	5.50	8.74
84.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.80	2.16	5.716	0.284	0.000	13.57	36.42
86.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.80	2.16	5.755	0.288	0.000	13.68	36.51
88.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.80	2.16	5.793	0.291	0.000	13.78	36.60
89.44	(4) #20 Reinforcement	Yes	1.44	1.200	7.50	1.30	1.56	5.820	0.294	0.000	9.97	26.40
90.00	(4) #20 Reinforcement	Yes	0.56	1.200	7.50	0.50	0.61	5.830	0.296	0.000	3.88	10.27
92.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.80	2.16	5.867	0.299	0.000	13.97	36.77
94.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.81	2.17	5.903	0.303	0.000	14.07	36.86
Totals:											731.37	1,975.30

00 5.00 5.20 Reinforcement Yes 2.00 1.200 7.50 1.80 2.16 5.716 0.284 0.000 13.57 36.42 50 00 5.00 5.20 Reinforcement Yes 2.00 1.200 7.50 1.80 2.16 5.755 0.288 0.000 13.68 36.51

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	29 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		

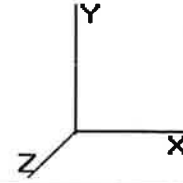
Applied Segment Forces Summary

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
2.00	38.20	725.62	0.00	0.00
4.00	38.05	731.57	0.00	0.00
6.00	37.84	733.64	0.00	0.00
8.00	37.61	734.02	0.00	0.00
9.00	23.45	366.53	0.00	0.00
10.00	23.40	366.33	0.00	0.00
12.00	46.66	732.23	0.00	0.00
14.00	46.44	730.57	0.00	0.00
16.00	46.20	728.58	0.00	0.00
18.00	45.96	726.32	0.00	0.00
20.00	45.71	723.85	0.00	0.00
22.00	45.46	721.21	0.00	0.00
24.00	45.20	718.42	0.00	0.00
26.00	44.94	715.51	0.00	0.00
28.00	44.68	712.49	0.00	0.00
30.00	44.45	709.37	0.00	0.00
31.50	33.70	531.12	0.00	0.00
32.00	11.30	242.55	0.00	0.00
34.00	50.20	980.80	0.00	0.00
35.13	30.68	553.55	0.00	0.00
35.67	14.90	297.18	0.00	0.00
36.00	9.03	128.66	0.00	0.00
38.00	55.48	778.09	0.00	0.00
39.00	68.34	651.28	0.00	0.00
40.00	27.97	387.13	0.00	0.00
42.00	56.53	772.02	0.00	0.00
44.00	57.00	769.09	0.00	0.00
46.00	57.44	766.11	0.00	0.00
48.00	57.85	763.09	0.00	0.00
49.38	39.91	522.91	0.00	0.00
50.00	18.16	237.23	0.00	0.00
52.00	58.58	756.93	0.00	0.00
53.13	33.16	426.35	0.00	0.00
54.00	25.58	327.59	0.00	0.00
56.00	59.20	750.63	0.00	0.00
58.00	59.48	747.44	0.00	0.00
60.00	59.73	744.21	0.00	0.00
62.00	59.96	740.96	0.00	0.00
64.00	60.17	737.68	0.00	0.00
66.00	60.37	734.38	0.00	0.00
68.00	60.54	731.05	0.00	0.00
68.13	3.92	47.42	0.00	0.00
70.00	56.74	680.32	0.00	0.00
70.00	0.10	1.21	0.00	0.00
71.88	57.65	849.17	0.00	0.00
72.00	3.68	54.16	0.00	0.00
73.50	46.24	676.59	0.00	0.00
74.00	15.26	169.48	0.00	0.00
76.00	61.70	680.38	0.00	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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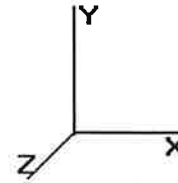
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	29 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

78.00	61.80	677.48	0.00	0.00
79.63	50.40	550.05	0.00	0.00
80.00	11.42	104.49	0.00	0.00
82.00	56.45	553.99	0.00	0.00
84.00	50.92	542.24	0.00	0.00
86.00	50.87	539.21	0.00	0.00
88.00	50.81	536.18	0.00	0.00
89.44	36.51	396.95	0.00	0.00
90.00	14.17	111.66	0.00	0.00
92.00	50.66	396.46	0.00	0.00
94.00	50.57	393.39	0.00	0.00
96.00	36.31	353.36	0.00	0.00
98.00	36.11	350.18	0.00	0.00
100.0	35.89	346.98	0.00	0.00
102.0	35.68	343.78	0.00	0.00
104.0	35.45	340.57	0.00	0.00
106.0	35.22	337.36	0.00	0.00
108.0	34.97	334.13	0.00	0.00
110.0	34.73	330.89	0.00	0.00
110.0	0.06	0.55	0.00	0.00
112.0	34.41	293.45	0.00	0.00
114.0	34.21	291.20	0.00	0.00
116.0	33.94	288.46	0.00	0.00
118.0	33.66	285.70	0.00	0.00
119.0	588.82	3,651.87	0.00	0.00
120.0	16.63	127.91	0.00	0.00
122.0	33.09	253.43	0.00	0.00
124.0	32.80	250.66	0.00	0.00
126.0	32.50	247.87	0.00	0.00
128.0	32.19	245.08	0.00	0.00
130.0	121.46	683.81	0.00	0.00
132.0	31.56	227.67	0.00	0.00
134.0	31.24	224.86	0.00	0.00
136.0	30.91	222.05	0.00	0.00
138.0	30.58	219.23	0.00	0.00
140.0	30.24	216.40	0.00	0.00
142.0	29.90	213.57	0.00	0.00
144.0	29.55	210.73	0.00	0.00
146.0	29.19	207.88	0.00	0.00
148.0	955.10	6,011.38	0.00	2,144.64
150.0	162.33	489.45	0.00	1,793.49
Totals:	5,148.15	51,515.60	0.00	3,938.13

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 29 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

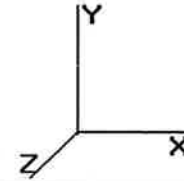
Calculated Forces

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	-51.51	-5.16	0.00	-518.46	0.00	518.46	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.145
2.00	-50.79	-5.14	0.00	-508.15	0.00	508.15	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.02	0.143
4.00	-50.05	-5.12	0.00	-497.87	0.00	497.87	3,123.00	1,561.50	4,678.76	2,310.67	0.02	-0.05	0.142
6.00	-49.32	-5.10	0.00	-487.63	0.00	487.63	3,105.67	1,552.83	4,612.30	2,277.84	0.04	-0.07	0.140
8.00	-48.58	-5.08	0.00	-477.43	0.00	477.43	3,088.17	1,544.08	4,546.05	2,245.12	0.08	-0.09	0.139
9.00	-48.21	-5.06	0.00	-472.35	0.00	472.35	3,079.35	1,539.68	4,513.00	2,228.80	0.10	-0.10	0.138
9.00	-48.21	-5.06	0.00	-472.35	0.00	472.35	3,079.35	1,539.68	4,513.00	2,228.80	0.10	-0.10	0.138
10.00	-47.85	-5.05	0.00	-467.29	0.00	467.29	3,070.50	1,535.25	4,480.00	2,212.51	0.12	-0.11	0.137
12.00	-47.11	-5.02	0.00	-457.18	0.00	457.18	3,052.67	1,526.33	4,414.18	2,180.00	0.17	-0.14	0.135
14.00	-46.38	-4.99	0.00	-447.13	0.00	447.13	3,034.67	1,517.33	4,348.59	2,147.60	0.24	-0.16	0.134
16.00	-45.65	-4.96	0.00	-437.14	0.00	437.14	3,016.50	1,508.25	4,283.23	2,115.32	0.31	-0.18	0.132
18.00	-44.92	-4.93	0.00	-427.21	0.00	427.21	2,998.17	1,499.09	4,218.10	2,083.16	0.39	-0.21	0.130
20.00	-44.20	-4.90	0.00	-417.34	0.00	417.34	2,979.67	1,489.84	4,153.23	2,051.12	0.48	-0.23	0.129
22.00	-43.47	-4.87	0.00	-407.54	0.00	407.54	2,961.01	1,480.51	4,088.60	2,019.21	0.58	-0.25	0.127
24.00	-42.75	-4.84	0.00	-397.79	0.00	397.79	2,942.18	1,471.09	4,024.24	1,987.42	0.69	-0.28	0.125
26.00	-42.04	-4.81	0.00	-388.11	0.00	388.11	2,923.18	1,461.59	3,960.14	1,955.77	0.81	-0.30	0.124
28.00	-41.32	-4.78	0.00	-378.50	0.00	378.50	2,903.09	1,451.54	3,895.07	1,923.63	0.94	-0.32	0.122
30.00	-40.61	-4.74	0.00	-368.94	0.00	368.94	2,875.19	1,437.60	3,820.15	1,886.63	1.08	-0.34	0.121
31.50	-40.08	-4.71	0.00	-361.81	0.00	361.81	2,854.23	1,427.11	3,764.32	1,859.06	1.19	-0.36	0.119
32.00	-39.84	-4.71	0.00	-359.47	0.00	359.47	2,847.30	1,423.65	3,745.97	1,849.99	1.23	-0.37	0.118
34.00	-38.85	-4.67	0.00	-350.05	0.00	350.05	2,819.40	1,409.70	3,672.50	1,813.71	1.39	-0.39	0.116
35.13	-38.30	-4.64	0.00	-344.80	0.00	344.80	2,803.71	1,401.86	3,631.50	1,793.46	1.48	-0.40	0.115
35.67	-38.00	-4.62	0.00	-342.28	0.00	342.28	2,253.05	1,126.52	2,980.43	1,471.92	1.53	-0.41	0.103
36.00	-37.87	-4.62	0.00	-340.75	0.00	340.75	2,250.82	1,125.41	2,972.64	1,468.08	1.56	-0.41	0.103
38.00	-37.09	-4.57	0.00	-331.51	0.00	331.51	2,237.24	1,118.62	2,925.53	1,444.81	1.73	-0.43	0.101
39.00	-36.44	-4.50	0.00	-326.94	0.00	326.94	2,230.38	1,115.19	2,902.02	1,433.20	1.82	-0.44	0.100
40.00	-36.05	-4.48	0.00	-322.44	0.00	322.44	2,223.49	1,111.74	2,878.55	1,421.61	1.92	-0.45	0.099
42.00	-35.28	-4.43	0.00	-313.49	0.00	313.49	2,209.57	1,104.78	2,831.72	1,398.48	2.11	-0.47	0.097
44.00	-34.51	-4.37	0.00	-304.63	0.00	304.63	2,195.48	1,097.74	2,785.05	1,375.43	2.31	-0.48	0.095
46.00	-33.74	-4.32	0.00	-295.88	0.00	295.88	2,181.23	1,090.62	2,738.53	1,352.46	2.51	-0.50	0.093
48.00	-32.98	-4.27	0.00	-287.24	0.00	287.24	2,166.82	1,083.41	2,692.17	1,329.56	2.73	-0.52	0.091
49.38	-32.46	-4.23	0.00	-281.38	0.00	281.38	2,156.81	1,078.40	2,660.41	1,313.87	2.88	-0.53	0.090
49.38	-32.46	-4.23	0.00	-281.38	0.00	281.38	2,156.81	1,078.40	2,660.41	1,313.87	2.88	-0.53	0.094
50.00	-32.22	-4.21	0.00	-278.74	0.00	278.74	2,152.23	1,076.12	2,645.99	1,306.76	2.95	-0.54	0.093
52.00	-31.46	-4.15	0.00	-270.31	0.00	270.31	2,137.48	1,068.74	2,599.99	1,284.04	3.18	-0.56	0.091
53.13	-31.04	-4.12	0.00	-265.62	0.00	265.62	2,129.08	1,064.54	2,574.08	1,271.24	3.31	-0.57	0.090
53.13	-31.04	-4.12	0.00	-265.62	0.00	265.62	2,129.08	1,064.54	2,574.08	1,271.24	3.31	-0.57	0.092
54.00	-30.71	-4.10	0.00	-262.03	0.00	262.03	2,122.57	1,061.28	2,554.17	1,261.41	3.42	-0.57	0.091
56.00	-29.96	-4.04	0.00	-253.84	0.00	253.84	2,107.48	1,053.74	2,508.54	1,238.87	3.66	-0.59	0.089
58.00	-29.21	-3.98	0.00	-245.75	0.00	245.75	2,092.24	1,046.12	2,463.11	1,216.44	3.91	-0.61	0.087
60.00	-28.46	-3.93	0.00	-237.78	0.00	237.78	2,076.82	1,038.41	2,417.88	1,194.10	4.17	-0.63	0.085
62.00	-27.72	-3.87	0.00	-229.93	0.00	229.93	2,061.24	1,030.62	2,372.86	1,171.87	4.44	-0.65	0.083
64.00	-26.98	-3.81	0.00	-222.20	0.00	222.20	2,045.49	1,022.75	2,328.07	1,149.74	4.71	-0.66	0.081
66.00	-26.25	-3.75	0.00	-214.59	0.00	214.59	2,029.58	1,014.79	2,283.49	1,127.73	5.00	-0.68	0.079
68.00	-25.52	-3.68	0.00	-207.10	0.00	207.10	2,008.56	1,004.28	2,233.65	1,103.12	5.29	-0.70	0.077
68.13	-25.47	-3.68	0.00	-206.62	0.00	206.62	2,007.04	1,003.52	2,230.27	1,101.45	5.31	-0.70	0.077
68.13	-25.47	-3.68	0.00	-206.62	0.00	206.62	2,007.04	1,003.52	2,230.27	1,101.45	5.31	-0.70	0.071
70.00	-24.79	-3.62	0.00	-199.74	0.00	199.74	1,985.27	992.64	2,181.87	1,077.55	5.58	-0.72	0.069
70.00	-24.79	-3.62	0.00	-199.72	0.00	199.72	1,985.24	992.62	2,181.79	1,077.50	5.58	-0.72	0.069
71.88	-23.94	-3.56	0.00	-192.93	0.00	192.93	1,963.39	981.69	2,133.76	1,053.78	5.87	-0.73	0.066
71.88	-23.94	-3.56	0.00	-192.93	0.00	192.93	1,963.39	981.69	2,133.76	1,053.78	5.87	-0.73	0.068

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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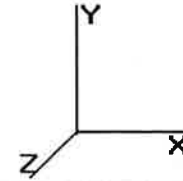
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	29 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

72.00	-23.89	-3.55	0.00	-192.50	0.00	192.50	1,961.99	981.00	2,130.70	1,052.27	5.89	-0.73	0.068
73.50	-23.21	-3.50	0.00	-187.16	0.00	187.16	1,473.96	736.98	1,624.57	802.31	6.12	-0.74	0.077
74.00	-23.04	-3.49	0.00	-185.42	0.00	185.42	1,471.43	735.72	1,617.01	798.58	6.20	-0.75	0.077
76.00	-22.36	-3.42	0.00	-178.44	0.00	178.44	1,461.13	730.56	1,586.64	783.58	6.52	-0.77	0.075
78.00	-21.68	-3.36	0.00	-171.60	0.00	171.60	1,450.65	725.33	1,556.35	768.62	6.84	-0.78	0.072
79.63	-21.13	-3.30	0.00	-166.12	0.00	166.12	1,442.00	721.00	1,531.74	756.47	7.11	-0.79	0.070
79.63	-21.13	-3.30	0.00	-166.12	0.00	166.12	1,442.00	721.00	1,531.74	756.47	7.11	-0.79	0.094
80.00	-21.03	-3.30	0.00	-164.90	0.00	164.90	1,440.02	720.01	1,526.16	753.71	7.17	-0.80	0.094
82.00	-20.47	-3.24	0.00	-158.31	0.00	158.31	1,429.21	714.61	1,496.08	738.86	7.51	-0.82	0.091
84.00	-19.93	-3.19	0.00	-151.83	0.00	151.83	1,418.24	709.12	1,466.10	724.05	7.86	-0.84	0.088
86.00	-19.39	-3.13	0.00	-145.46	0.00	145.46	1,407.10	703.55	1,436.24	709.30	8.21	-0.86	0.085
88.00	-18.85	-3.08	0.00	-139.19	0.00	139.19	1,395.80	697.90	1,406.50	694.62	8.58	-0.88	0.082
89.44	-18.46	-3.04	0.00	-134.75	0.00	134.75	1,387.56	693.78	1,385.17	684.08	8.84	-0.89	0.076
89.44	-18.46	-3.04	0.00	-134.75	0.00	134.75	1,387.56	693.78	1,385.17	684.08	8.84	-0.89	0.210
90.00	-18.34	-3.03	0.00	-133.05	0.00	133.05	1,384.33	692.17	1,376.89	680.00	8.95	-0.90	0.209
92.00	-17.95	-2.99	0.00	-126.98	0.00	126.98	1,372.70	686.35	1,347.42	665.44	9.34	-0.95	0.204
94.00	-17.55	-2.95	0.00	-120.99	0.00	120.99	1,360.89	680.45	1,318.09	650.96	9.74	-1.00	0.199
96.00	-17.20	-2.92	0.00	-115.09	0.00	115.09	1,348.92	674.46	1,288.91	636.54	10.17	-1.05	0.194
98.00	-16.84	-2.90	0.00	-109.24	0.00	109.24	1,336.79	668.39	1,259.89	622.21	10.62	-1.10	0.188
100.00	-16.49	-2.87	0.00	-103.45	0.00	103.45	1,324.49	662.24	1,231.02	607.96	11.09	-1.15	0.183
102.00	-16.15	-2.84	0.00	-97.71	0.00	97.71	1,312.02	656.01	1,202.33	593.78	11.58	-1.20	0.177
104.00	-15.81	-2.81	0.00	-92.04	0.00	92.04	1,299.39	649.69	1,173.81	579.70	12.10	-1.24	0.171
106.00	-15.47	-2.78	0.00	-86.42	0.00	86.42	1,284.34	642.17	1,143.47	564.72	12.63	-1.29	0.165
108.00	-15.13	-2.75	0.00	-80.86	0.00	80.86	1,265.75	632.87	1,110.41	548.39	13.18	-1.34	0.159
110.00	-14.80	-2.71	0.00	-75.37	0.00	75.37	1,247.15	623.58	1,077.84	532.30	13.75	-1.38	0.153
110.00	-14.80	-2.72	0.00	-75.36	0.00	75.36	1,247.12	623.56	1,077.78	532.28	13.75	-1.38	0.153
110.00	-14.80	-2.72	0.00	-75.36	0.00	75.36	856.50	428.25	744.58	367.72	13.75	-1.38	0.222
112.00	-14.51	-2.69	0.00	-69.93	0.00	69.93	849.29	424.65	727.25	359.16	14.33	-1.42	0.212
114.00	-14.21	-2.66	0.00	-64.56	0.00	64.56	841.90	420.95	709.95	350.62	14.94	-1.48	0.201
116.00	-13.92	-2.63	0.00	-59.24	0.00	59.24	834.35	417.17	692.70	342.10	15.57	-1.53	0.190
118.00	-13.64	-2.60	0.00	-53.98	0.00	53.98	826.63	413.31	675.51	333.61	16.23	-1.58	0.178
119.00	-10.00	-1.91	0.00	-51.38	0.00	51.38	822.70	411.35	666.94	329.38	16.56	-1.61	0.168
120.00	-9.87	-1.90	0.00	-49.47	0.00	49.47	818.74	409.37	658.39	325.15	16.90	-1.63	0.164
122.00	-9.62	-1.87	0.00	-45.67	0.00	45.67	810.68	405.34	641.34	316.73	17.59	-1.68	0.156
124.00	-9.37	-1.83	0.00	-41.94	0.00	41.94	802.46	401.23	624.37	308.35	18.31	-1.73	0.148
126.00	-9.12	-1.80	0.00	-38.27	0.00	38.27	794.08	397.04	607.49	300.02	19.04	-1.77	0.139
128.00	-8.88	-1.77	0.00	-34.67	0.00	34.67	785.52	392.76	590.71	291.73	19.79	-1.81	0.130
130.00	-8.19	-1.63	0.00	-31.14	0.00	31.14	776.80	388.40	574.02	283.49	20.56	-1.85	0.120
132.00	-7.97	-1.59	0.00	-27.88	0.00	27.88	767.92	383.96	557.44	275.30	21.34	-1.89	0.112
134.00	-7.74	-1.56	0.00	-24.69	0.00	24.69	758.87	379.43	540.98	267.17	22.14	-1.92	0.103
136.00	-7.52	-1.53	0.00	-21.57	0.00	21.57	749.65	374.82	524.63	259.10	22.95	-1.96	0.093
138.00	-7.30	-1.49	0.00	-18.52	0.00	18.52	740.26	370.13	508.41	251.09	23.78	-1.99	0.084
140.00	-7.09	-1.46	0.00	-15.54	0.00	15.54	730.85	365.43	492.42	243.19	24.62	-2.01	0.074
142.00	-6.87	-1.42	0.00	-12.62	0.00	12.62	716.87	358.43	473.65	233.92	25.47	-2.04	0.064
144.00	-6.66	-1.39	0.00	-9.78	0.00	9.78	702.88	351.44	455.24	224.83	26.32	-2.06	0.053
146.00	-6.46	-1.35	0.00	-7.00	0.00	7.00	688.90	344.45	437.20	215.92	27.19	-2.07	0.042
148.00	-0.48	-0.18	0.00	-2.15	0.00	2.15	674.91	337.46	419.53	207.19	28.06	-2.08	0.011
150.00	0.00	-0.16	0.00	-1.79	0.00	1.79	660.93	330.46	402.22	198.64	28.93	-2.09	0.009

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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

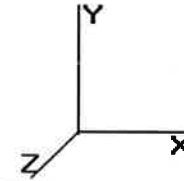
Shaft Segment Forces (Factored)

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	6.129	6.742	161.88	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	6.129	6.742	160.53	1.000	* 0.000	2.00	6.423	6.42	43.3	0.0	436.4
4.00		1.00	0.70	6.129	6.742	159.17	1.000	* 0.000	2.00	6.369	6.37	42.9	0.0	433.8
6.00		1.00	0.70	6.129	6.742	157.81	1.000	* 0.000	2.00	6.315	6.31	42.6	0.0	431.3
8.00		1.00	0.70	6.129	6.742	156.45	1.000	* 0.000	2.00	6.260	6.26	42.2	0.0	428.7
9.00	Reinf. Top Reinf Bottom	1.00	0.70	6.129	6.742	155.78	1.200	* 0.000	1.00	3.110	3.73	25.2	0.0	213.4
10.00		1.00	0.70	6.129	6.742	155.10	1.200	* 0.000	1.00	3.096	3.72	25.0	0.0	212.7
12.00		1.00	0.70	6.129	6.742	153.74	1.200	* 0.000	2.00	6.152	7.38	49.8	0.0	423.5
14.00		1.00	0.70	6.129	6.742	152.38	1.200	* 0.000	2.00	6.098	7.32	49.3	0.0	421.0
16.00		1.00	0.70	6.129	6.742	151.02	1.200	* 0.000	2.00	6.044	7.25	48.9	0.0	418.4
18.00		1.00	0.70	6.129	6.742	149.67	1.200	* 0.000	2.00	5.990	7.19	48.5	0.0	415.8
20.00		1.00	0.70	6.129	6.742	148.31	1.200	* 0.000	2.00	5.936	7.12	48.0	0.0	413.2
22.00		1.00	0.70	6.129	6.742	146.95	1.200	* 0.000	2.00	5.882	7.06	47.6	0.0	410.7
24.00		1.00	0.70	6.129	6.742	145.60	1.200	* 0.000	2.00	5.828	6.99	47.1	0.0	408.1
26.00		1.00	0.70	6.129	6.742	144.24	1.200	* 0.000	2.00	5.774	6.93	46.7	0.0	405.5
28.00		1.00	0.70	6.129	6.742	142.88	1.200	* 0.000	2.00	5.720	6.86	46.3	0.0	402.9
30.00		1.00	0.70	6.134	6.747	141.58	1.200	* 0.000	2.00	5.666	6.80	45.9	0.0	400.4
31.50	Bot - Section 2	1.00	0.71	6.220	6.842	141.55	1.200	* 0.000	1.50	4.223	5.07	34.7	0.0	299.2
32.00		1.00	0.71	6.248	6.873	141.52	1.200	* 0.000	0.50	1.415	1.70	11.7	0.0	154.3
34.00		1.00	0.72	6.357	6.993	141.37	1.200	* 0.000	2.00	5.665	6.80	47.5	0.0	618.3
35.13	Reinf Bottom	1.00	0.73	6.417	7.058	141.25	1.200	* 0.000	1.13	3.163	3.80	26.8	0.0	345.7
35.67	Top - Section 1	1.00	0.73	6.445	7.089	141.18	1.200	* 0.000	0.54	1.526	1.83	13.0	0.0	196.6
36.00		1.00	0.73	6.462	7.108	143.92	1.200	* 0.000	0.33	0.922	1.11	7.9	0.0	76.3
38.00		1.00	0.75	6.562	7.219	143.63	1.200	* 0.000	2.00	5.557	6.67	48.1	0.0	461.3
39.00	Appertunance(s)	1.00	0.75	6.611	7.272	143.46	1.200	* 0.000	1.00	2.758	3.31	24.1	0.0	229.8
40.00		1.00	0.76	6.659	7.325	143.27	1.200	* 0.000	1.00	2.745	3.29	24.1	0.0	229.3
42.00		1.00	0.77	6.753	7.428	142.85	1.200	* 0.000	2.00	5.449	6.54	48.6	0.0	457.0
44.00		1.00	0.78	6.843	7.527	142.37	1.200	* 0.000	2.00	5.395	6.47	48.7	0.0	454.8
46.00		1.00	0.79	6.931	7.624	141.83	1.200	* 0.000	2.00	5.341	6.41	48.9	0.0	452.7
48.00		1.00	0.80	7.015	7.717	141.25	1.200	* 0.000	2.00	5.287	6.34	49.0	0.0	450.5
49.38	Reinf. Top Reinf Bottom	1.00	0.80	7.072	7.779	140.82	1.200	* 0.000	1.38	3.603	4.32	33.6	0.0	308.5
50.00		1.00	0.81	7.098	7.807	140.61	1.200	* 0.000	0.63	1.629	1.96	15.3	0.0	139.9
52.00		1.00	0.82	7.178	7.895	139.93	1.200	* 0.000	2.00	5.179	6.21	49.1	0.0	446.2
53.13	Reinf. Top Reinf Bottom	1.00	0.82	7.222	7.944	139.53	1.200	* 0.000	1.13	2.902	3.48	27.7	0.0	251.2
54.00		1.00	0.82	7.255	7.981	139.21	1.200	* 0.000	0.87	2.223	2.67	21.3	0.0	192.9
56.00		1.00	0.83	7.331	8.064	138.45	1.200	* 0.000	2.00	5.071	6.08	49.1	0.0	441.9
58.00		1.00	0.84	7.405	8.146	137.66	1.200	* 0.000	2.00	5.017	6.02	49.0	0.0	439.8
60.00		1.00	0.85	7.477	8.225	136.83	1.200	* 0.000	2.00	4.962	5.95	49.0	0.0	437.6
62.00		1.00	0.86	7.548	8.302	135.96	1.200	* 0.000	2.00	4.908	5.89	48.9	0.0	435.5
64.00		1.00	0.87	7.616	8.378	135.07	1.200	* 0.000	2.00	4.854	5.83	48.8	0.0	433.3
66.00		1.00	0.87	7.684	8.452	134.14	1.200	* 0.000	2.00	4.800	5.76	48.7	0.0	431.2
68.00		1.00	0.88	7.749	8.524	133.19	1.200	* 0.000	2.00	4.746	5.70	48.5	0.0	429.0
68.13	Reinf. Top Reinf Bottom	1.00	0.88	7.754	8.529	133.13	1.200	* 0.000	0.13	0.307	0.37	3.1	0.0	27.8
70.00		1.00	0.89	7.814	8.595	132.21	1.200	* 0.000	1.87	4.385	5.26	45.2	0.0	399.1
70.00	Bot - Section 3	1.00	0.89	7.814	8.595	132.21	1.200	* 0.000	0.00	0.008	0.01	0.1	0.0	0.7
71.88	Reinf. Top Reinf Bottom	1.00	0.89	7.873	8.661	131.26	1.200	* 0.000	1.88	4.434	5.32	46.1	0.0	538.1
72.00		1.00	0.90	7.877	8.665	131.20	1.200	* 0.000	0.12	0.282	0.34	2.9	0.0	34.3
73.50	Top - Section 2	1.00	0.90	7.924	8.716	130.43	1.200	* 0.000	1.50	3.515	4.22	36.8	0.0	428.4
74.00		1.00	0.90	7.939	8.733	132.64	1.200	* 0.000	0.50	1.155	1.39	12.1	0.0	96.5
76.00		1.00	0.91	8.000	8.800	131.59	1.200	* 0.000	2.00	4.616	5.54	48.7	0.0	387.7
78.00		1.00	0.92	8.059	8.865	130.53	1.200	* 0.000	2.00	4.562	5.47	48.5	0.0	386.0

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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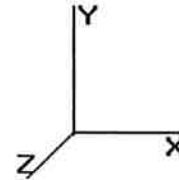
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

79.63	Reinf. Top	1.00	0.92	8.107	8.918	129.64	1.200	* 0.000	1.63	3.678	4.41	39.4	0.0	313.3
80.00		1.00	0.92	8.118	8.930	129.44	1.200	* 0.000	0.37	0.830	1.00	8.9	0.0	50.8
82.00		1.00	0.93	8.175	8.993	128.33	1.200	* 0.000	2.00	4.454	5.34	48.1	0.0	273.6
84.00		1.00	0.94	8.232	9.055	127.20	1.200	* 0.000	2.00	4.400	5.28	47.8	0.0	271.9
86.00		1.00	0.94	8.287	9.116	126.05	1.200	* 0.000	2.00	4.346	5.21	47.5	0.0	270.2
88.00		1.00	0.95	8.342	9.176	124.88	1.200	* 0.000	2.00	4.292	5.15	47.3	0.0	268.5
89.44	Reinf. Top	1.00	0.95	8.381	9.219	124.02	1.200	* 0.000	1.44	3.057	3.67	33.8	0.0	204.9
90.00		1.00	0.95	8.396	9.235	123.69	1.200	* 0.000	0.56	1.181	1.42	13.1	0.0	37.1
92.00		1.00	0.96	8.448	9.293	122.49	1.200	* 0.000	2.00	4.183	5.02	46.7	0.0	131.5
94.00		1.00	0.97	8.501	9.351	121.26	1.200	* 0.000	2.00	4.129	4.96	46.3	0.0	129.7
96.00		1.00	0.97	8.552	9.407	120.03	1.000	0.000	2.00	4.075	4.08	38.3	0.0	128.0
98.00		1.00	0.98	8.602	9.463	118.77	1.000	0.000	2.00	4.021	4.02	38.1	0.0	126.3
100.0		1.00	0.98	8.652	9.517	117.50	1.000	0.000	2.00	3.967	3.97	37.8	0.0	124.6
102.0		1.00	0.99	8.701	9.571	116.22	1.000	0.000	2.00	3.913	3.91	37.5	0.0	122.9
104.0		1.00	0.99	8.750	9.625	114.92	1.000	0.000	2.00	3.859	3.86	37.1	0.0	121.2
106.0		1.00	1.00	8.797	9.677	113.61	1.000	0.000	2.00	3.805	3.80	36.8	0.0	119.4
108.0		1.00	1.01	8.845	9.729	112.28	1.000	0.000	2.00	3.751	3.75	36.5	0.0	117.7
110.0		1.00	1.01	8.891	9.780	110.94	1.000	0.000	2.00	3.697	3.70	36.2	0.0	116.0
110.0	Top - Section 3	1.00	1.01	8.891	9.780	110.94	1.000	0.000	0.00	0.006	0.01	0.1	0.0	0.2
112.0		1.00	1.02	8.937	9.831	109.59	1.000	0.000	2.00	3.637	3.64	35.7	0.0	86.1
114.0		1.00	1.02	8.982	9.880	108.22	1.000	0.000	2.00	3.589	3.59	35.5	0.0	84.9
116.0		1.00	1.03	9.027	9.930	106.84	1.000	0.000	2.00	3.535	3.53	35.1	0.0	83.6
118.0		1.00	1.03	9.071	9.978	105.45	1.000	0.000	2.00	3.480	3.48	34.7	0.0	82.3
119.0	Appertunance(s)	1.00	1.03	9.093	10.00	104.75	1.000	0.000	1.00	1.720	1.72	17.2	0.0	40.7
120.0		1.00	1.04	9.115	10.02	104.05	1.000	0.000	1.00	1.706	1.71	17.1	0.0	40.4
122.0		1.00	1.04	9.158	10.07	102.64	1.000	0.000	2.00	3.372	3.37	34.0	0.0	79.7
124.0		1.00	1.05	9.201	10.12	101.21	1.000	0.000	2.00	3.318	3.32	33.6	0.0	78.5
126.0		1.00	1.05	9.243	10.16	99.781	1.000	0.000	2.00	3.264	3.26	33.2	0.0	77.2
128.0		1.00	1.06	9.284	10.21	98.335	1.000	0.000	2.00	3.210	3.21	32.8	0.0	75.9
130.0	Appertunance(s)	1.00	1.06	9.326	10.25	96.879	1.000	0.000	2.00	3.156	3.16	32.4	0.0	74.6
132.0		1.00	1.07	9.366	10.30	95.413	1.000	0.000	2.00	3.102	3.10	32.0	0.0	73.3
134.0		1.00	1.07	9.407	10.34	93.936	1.000	0.000	2.00	3.048	3.05	31.5	0.0	72.0
136.0		1.00	1.07	9.447	10.39	92.450	1.000	0.000	2.00	2.994	2.99	31.1	0.0	70.7
138.0		1.00	1.08	9.486	10.43	90.954	1.000	0.000	2.00	2.940	2.94	30.7	0.0	69.4
140.0		1.00	1.08	9.525	10.47	89.449	1.000	0.000	2.00	2.886	2.89	30.2	0.0	68.1
142.0		1.00	1.09	9.564	10.52	87.935	1.000	0.000	2.00	2.832	2.83	29.8	0.0	66.8
144.0		1.00	1.09	9.602	10.56	86.412	1.000	0.000	2.00	2.777	2.78	29.3	0.0	65.5
146.0		1.00	1.10	9.640	10.60	84.880	1.000	0.000	2.00	2.723	2.72	28.9	0.0	64.3
148.0	Appertunance(s)	1.00	1.10	9.678	10.64	83.339	1.000	0.000	2.00	2.669	2.67	28.4	0.0	63.0
150.0	Appertunance(s)	1.00	1.11	9.715	10.68	81.790	1.000	0.000	2.00	2.615	2.62	27.9	0.0	61.7
* = Cf Adjusted By Linear Load Ra Effect									Totals:	150.00		3,183.0	0.0	21,793.3

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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

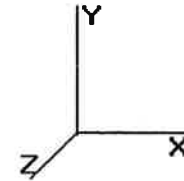
Discrete Appurtenance Segment Forces (Factored)

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)
39.00	Stand-off	1	6.611	7.272	1.00	1.00	5.20	0.000	0.000	37.82	0.00	0.00	150.00
39.00	GPS	1	6.611	7.272	0.50	1.00	0.50	0.000	0.000	3.64	0.00	0.00	10.00
119.0	Antel BXA-80063/4CF	3	9.093	10.002	0.76	0.80	8.59	0.000	0.000	85.93	0.00	0.00	29.70
119.0	Round T-Arm	3	9.093	10.002	0.67	0.75	14.62	0.000	0.000	146.26	0.00	0.00	750.00
119.0	RFS FD9R6004/1C-3L	6	9.093	10.002	0.50	0.80	0.89	0.000	0.000	8.88	0.00	0.00	18.60
119.0	PCS1900 Dual Duplex	6	9.093	10.002	0.50	0.80	2.18	0.000	0.000	21.85	0.00	0.00	120.00
119.0	Alcatel-Lucent RRH2x	3	9.093	10.002	0.50	0.80	2.59	0.000	0.000	25.93	0.00	0.00	132.00
119.0	Antel BXA-171063-8BF	3	9.093	10.002	0.87	0.80	6.14	0.000	0.000	61.40	0.00	0.00	31.50
119.0	Antel BXA-171085-8CF	3	9.093	10.002	0.87	0.80	6.14	0.000	0.000	61.40	0.00	0.00	31.50
119.0	RFS DB-T1-6Z-8AB-0Z	1	9.093	10.002	1.00	0.80	3.84	0.000	0.000	38.41	0.00	0.00	44.00
119.0	Antel BXA-70063/6CF	3	9.093	10.002	0.75	0.80	13.63	0.000	0.000	136.29	0.00	0.00	51.00
130.0	RFS APXV18-206517S-	3	9.326	10.258	0.80	0.80	9.93	0.000	0.000	101.83	0.00	0.00	79.20
148.0	Ericsson RRUS 11 (Ba	6	9.770	10.747	0.50	0.75	5.67	0.000	5.000	60.94	0.00	304.68	330.00
148.0	Powerwave LGP13519	6	9.770	10.747	0.50	0.75	0.76	0.000	5.000	8.22	0.00	41.11	31.80
148.0	Allgon 7770.00	6	9.770	10.747	0.77	0.75	19.09	0.000	5.000	205.18	0.00	1,025.91	210.00
148.0	7' Omni	1	9.770	10.747	1.00	0.75	1.57	0.000	5.000	16.93	0.00	84.63	25.00
148.0	Flat Platform w/ Han	1	9.678	10.645	1.00	1.00	45.00	0.000	0.000	479.04	0.00	0.00	2,000.00
148.0	TMA-DD1900	6	9.770	10.747	0.50	0.75	1.33	0.000	5.000	14.27	0.00	71.33	62.40
148.0	Raycap DC6-48-60-18-	1	9.770	10.747	1.00	0.75	1.10	0.000	5.000	11.85	0.00	59.24	31.80
148.0	KMW AM-X-CD-16-65-	3	9.770	10.747	0.79	0.75	14.26	0.000	5.000	153.20	0.00	766.02	145.50
157.0	15' Omni	1	10.000	11.000	1.00	1.00	4.50	0.000	9.000	49.50	0.00	792.02	40.00
154.0	8' Dipole	1	9.896	10.885	1.00	1.00	3.01	0.000	6.000	32.76	0.00	327.65	25.00
										1,761.52			4,349.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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

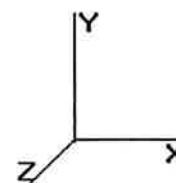
Linear Appurtenance Segment Forces (Factored)

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)
2.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	6.129	0.195	1.284	0.00	0.00
4.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	6.129	0.196	1.289	0.00	0.00
6.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	6.129	0.198	1.294	0.00	0.00
8.00	(4) #20 Reinforcement	Yes	2.00	0.000	7.50	1.25	0.00	6.129	0.200	1.299	0.00	0.00
9.00	(4) #20 Reinforcement	Yes	1.00	1.200	7.50	0.63	0.75	6.129	0.201	0.000	5.06	0.00
10.00	(4) #20 Reinforcement	Yes	1.00	1.200	7.50	0.63	0.75	6.129	0.202	0.000	5.06	0.00
12.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.203	0.000	10.11	0.00
14.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.205	0.000	10.11	0.00
16.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.207	0.000	10.11	0.00
18.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.209	0.000	10.11	0.00
20.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.211	0.000	10.11	0.00
22.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.213	0.000	10.11	0.00
24.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.214	0.000	10.11	0.00
26.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.216	0.000	10.11	0.00
28.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.129	0.219	0.000	10.11	0.00
30.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.134	0.221	0.000	10.12	0.00
31.50	(4) #20 Reinforcement	Yes	1.50	1.200	7.50	0.94	1.13	6.220	0.222	0.000	7.71	0.00
32.00	(4) #20 Reinforcement	Yes	0.50	1.200	7.50	0.31	0.37	6.248	0.224	0.000	2.56	0.00
34.00	(4) #20 Reinforcement	Yes	2.00	1.200	7.50	1.25	1.50	6.357	0.255	0.000	10.49	0.00
34.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	6.357	0.255	0.000	2.33	0.00
35.13	(4) #20 Reinforcement	Yes	1.13	1.196	7.50	0.70	0.84	6.417	0.287	0.000	5.94	0.00
35.13	(4) Reinf.	Yes	1.13	2.000	2.00	0.19	0.38	6.417	0.287	0.000	2.65	0.00
35.67	(4) #20 Reinforcement	Yes	0.54	1.194	7.50	0.34	0.41	6.445	0.288	0.000	2.88	0.00
35.67	(4) Reinf.	Yes	0.54	2.000	2.00	0.09	0.18	6.445	0.288	0.000	1.29	0.00
36.00	(4) #20 Reinforcement	Yes	0.33	1.192	7.50	0.21	0.25	6.462	0.283	0.000	1.75	0.00
36.00	(4) Reinf.	Yes	0.33	2.000	2.00	0.06	0.11	6.462	0.283	0.000	0.78	0.00
38.00	(4) #20 Reinforcement	Yes	2.00	1.183	7.50	1.25	1.48	6.562	0.285	0.000	10.67	0.00
38.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	6.562	0.285	0.000	4.81	0.00
39.00	(4) #20 Reinforcement	Yes	1.00	1.178	7.50	0.63	0.74	6.611	0.287	0.000	5.36	0.00
39.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	6.611	0.287	0.000	2.42	0.00
40.00	(4) #20 Reinforcement	Yes	1.00	1.174	7.50	0.63	0.73	6.659	0.288	0.000	5.38	0.00
40.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	6.659	0.288	0.000	2.44	0.00
42.00	(4) #20 Reinforcement	Yes	2.00	1.166	7.50	1.25	1.46	6.753	0.291	0.000	10.83	0.00
42.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	6.753	0.291	0.000	4.95	0.00
44.00	(4) #20 Reinforcement	Yes	2.00	1.158	7.50	1.25	1.45	6.843	0.293	0.000	10.90	0.00
44.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	6.843	0.293	0.000	5.02	0.00
46.00	(4) #20 Reinforcement	Yes	2.00	1.151	7.50	1.25	1.44	6.931	0.296	0.000	10.97	0.00
46.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	6.931	0.296	0.000	5.08	0.00
48.00	(4) #20 Reinforcement	Yes	2.00	1.144	7.50	1.25	1.43	7.015	0.299	0.000	11.03	0.00
48.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.015	0.299	0.000	5.14	0.00
49.38	(4) #20 Reinforcement	Yes	1.38	1.139	7.50	0.86	0.98	7.072	0.302	0.000	7.62	0.00
49.38	(4) Reinf.	Yes	1.38	2.000	2.00	0.23	0.46	7.072	0.302	0.000	3.57	0.00
50.00	(4) #20 Reinforcement	Yes	0.63	1.137	7.50	0.39	0.44	7.098	0.304	0.000	3.47	0.00
50.00	(4) Reinf.	Yes	0.63	2.000	2.00	0.10	0.21	7.098	0.304	0.000	1.63	0.00
52.00	(4) #20 Reinforcement	Yes	2.00	1.131	7.50	1.25	1.41	7.178	0.306	0.000	11.16	0.00
52.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.178	0.306	0.000	5.26	0.00
53.13	(4) #20 Reinforcement	Yes	1.13	1.127	7.50	0.71	0.80	7.222	0.308	0.000	6.33	0.00
53.13	(4) Reinf.	Yes	1.13	2.000	2.00	0.19	0.38	7.222	0.308	0.000	2.99	0.00
54.00	(4) #20 Reinforcement	Yes	0.87	1.125	7.50	0.54	0.61	7.255	0.310	0.000	4.88	0.00
54.00	(4) Reinf.	Yes	0.87	2.000	2.00	0.14	0.29	7.255	0.310	0.000	2.31	0.00
56.00	(4) #20 Reinforcement	Yes	2.00	1.119	7.50	1.25	1.40	7.331	0.312	0.000	11.28	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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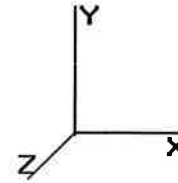
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

56.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.331	0.312	0.000	5.38	0.00
58.00	(4) #20 Reinforcement	Yes	2.00	1.113	7.50	1.25	1.39	7.405	0.316	0.000	11.34	0.00
58.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.405	0.316	0.000	5.43	0.00
60.00	(4) #20 Reinforcement	Yes	2.00	1.108	7.50	1.25	1.39	7.477	0.319	0.000	11.39	0.00
60.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.477	0.319	0.000	5.48	0.00
62.00	(4) #20 Reinforcement	Yes	2.00	1.103	7.50	1.25	1.38	7.548	0.323	0.000	11.45	0.00
62.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.548	0.323	0.000	5.53	0.00
64.00	(4) #20 Reinforcement	Yes	2.00	1.098	7.50	1.25	1.37	7.616	0.326	0.000	11.50	0.00
64.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.616	0.326	0.000	5.59	0.00
66.00	(4) #20 Reinforcement	Yes	2.00	1.093	7.50	1.25	1.37	7.684	0.330	0.000	11.55	0.00
66.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.684	0.330	0.000	5.63	0.00
68.00	(4) #20 Reinforcement	Yes	2.00	1.088	7.50	1.25	1.36	7.749	0.334	0.000	11.60	0.00
68.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	7.749	0.334	0.000	5.68	0.00
68.13	(4) #20 Reinforcement	Yes	0.13	1.088	7.50	0.08	0.09	7.754	0.336	0.000	0.75	0.00
68.13	(4) Reinf.	Yes	0.13	2.000	2.00	0.02	0.04	7.754	0.336	0.000	0.37	0.00
70.00	(4) #20 Reinforcement	Yes	1.87	1.084	7.50	1.17	1.27	7.814	0.338	0.000	10.89	0.00
70.00	(4) Reinf.	Yes	1.87	2.000	2.00	0.31	0.62	7.814	0.338	0.000	5.36	0.00
70.00	(4) #20 Reinforcement	Yes	0.00	1.084	7.50	0.00	0.00	7.814	0.339	0.000	0.02	0.00
70.00	(4) Reinf.	Yes	0.00	2.000	2.00	0.00	0.00	7.814	0.339	0.000	0.01	0.00
71.88	(4) #20 Reinforcement	Yes	1.88	1.080	7.50	1.17	1.27	7.873	0.341	0.000	10.97	0.00
71.88	(4) Reinf.	Yes	1.88	2.000	2.00	0.31	0.63	7.873	0.341	0.000	5.42	0.00
72.00	(4) #20 Reinforcement	Yes	0.12	1.080	7.50	0.08	0.08	7.877	0.343	0.000	0.70	0.00
72.00	(4) Reinf.	Yes	0.12	2.000	2.00	0.02	0.04	7.877	0.343	0.000	0.35	0.00
73.50	(4) #20 Reinforcement	Yes	1.50	1.076	7.50	0.94	1.01	7.924	0.345	0.000	8.82	0.00
73.50	(4) Reinf.	Yes	1.50	2.000	2.00	0.25	0.50	7.924	0.345	0.000	4.37	0.00
74.00	(4) #20 Reinforcement	Yes	0.50	1.075	7.50	0.31	0.33	7.939	0.341	0.000	2.92	0.00
74.00	(4) Reinf.	Yes	0.50	2.000	2.00	0.08	0.17	7.939	0.341	0.000	1.45	0.00
76.00	(4) #20 Reinforcement	Yes	2.00	1.071	7.50	1.25	1.34	8.000	0.343	0.000	11.78	0.00
76.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	8.000	0.343	0.000	5.87	0.00
78.00	(4) #20 Reinforcement	Yes	2.00	1.067	7.50	1.25	1.33	8.059	0.347	0.000	11.83	0.00
78.00	(4) Reinf.	Yes	2.00	2.000	2.00	0.33	0.67	8.059	0.347	0.000	5.91	0.00
79.63	(4) #20 Reinforcement	Yes	1.63	1.064	7.50	1.02	1.08	8.107	0.351	0.000	9.67	0.00
79.63	(4) Reinf.	Yes	1.63	2.000	2.00	0.27	0.54	8.107	0.351	0.000	4.85	0.00
80.00	(4) #20 Reinforcement	Yes	0.37	1.063	7.50	0.23	0.25	8.118	0.353	0.000	2.20	0.00
80.00	(4) Reinf.	Yes	0.37	2.000	2.00	0.06	0.12	8.118	0.353	0.000	1.10	0.00
82.00	(4) #20 Reinforcement	Yes	2.00	1.060	7.50	1.25	1.32	8.175	0.318	0.000	11.91	0.00
82.00	(4) Reinf.	Yes	1.00	2.000	2.00	0.17	0.33	8.175	0.318	0.000	3.00	0.00
84.00	(4) #20 Reinforcement	Yes	2.00	1.056	7.50	1.25	1.32	8.232	0.284	0.000	11.95	0.00
86.00	(4) #20 Reinforcement	Yes	2.00	1.053	7.50	1.25	1.32	8.287	0.288	0.000	11.99	0.00
88.00	(4) #20 Reinforcement	Yes	2.00	1.049	7.50	1.25	1.31	8.342	0.291	0.000	12.03	0.00
89.44	(4) #20 Reinforcement	Yes	1.44	1.047	7.50	0.90	0.94	8.381	0.294	0.000	8.68	0.00
90.00	(4) #20 Reinforcement	Yes	0.56	1.046	7.50	0.35	0.37	8.396	0.296	0.000	3.38	0.00
92.00	(4) #20 Reinforcement	Yes	2.00	1.042	7.50	1.25	1.30	8.448	0.299	0.000	12.11	0.00
94.00	(4) #20 Reinforcement	Yes	2.00	1.039	7.50	1.25	1.30	8.501	0.303	0.000	12.15	0.00
Totals:											605.45	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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

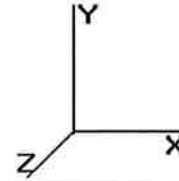
Applied Segment Forces Summary

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
2.00	43.30	512.72	0.00	0.00
4.00	42.93	510.15	0.00	0.00
6.00	42.57	507.57	0.00	0.00
8.00	42.21	505.00	0.00	0.00
9.00	30.22	251.53	0.00	0.00
10.00	30.11	250.89	0.00	0.00
12.00	59.88	499.84	0.00	0.00
14.00	59.45	497.27	0.00	0.00
16.00	59.01	494.69	0.00	0.00
18.00	58.57	492.12	0.00	0.00
20.00	58.13	489.54	0.00	0.00
22.00	57.70	486.97	0.00	0.00
24.00	57.26	484.39	0.00	0.00
26.00	56.82	481.82	0.00	0.00
28.00	56.38	479.24	0.00	0.00
30.00	55.99	476.66	0.00	0.00
31.50	42.39	356.60	0.00	0.00
32.00	14.23	173.22	0.00	0.00
34.00	60.36	694.58	0.00	0.00
35.13	35.37	388.63	0.00	0.00
35.67	17.15	217.40	0.00	0.00
36.00	10.39	88.91	0.00	0.00
38.00	63.62	537.57	0.00	0.00
39.00	73.31	427.98	0.00	0.00
40.00	31.95	267.29	0.00	0.00
42.00	64.35	532.97	0.00	0.00
44.00	64.65	530.82	0.00	0.00
46.00	64.91	528.67	0.00	0.00
48.00	65.14	526.52	0.00	0.00
49.38	44.82	360.74	0.00	0.00
50.00	20.36	163.64	0.00	0.00
52.00	65.49	522.22	0.00	0.00
53.13	36.98	294.11	0.00	0.00
54.00	28.48	225.97	0.00	0.00
56.00	65.73	517.92	0.00	0.00
58.00	65.80	515.77	0.00	0.00
60.00	65.85	513.62	0.00	0.00
62.00	65.88	511.47	0.00	0.00
64.00	65.89	509.32	0.00	0.00
66.00	65.87	507.17	0.00	0.00
68.00	65.83	505.02	0.00	0.00
68.13	4.26	32.75	0.00	0.00
70.00	61.48	470.12	0.00	0.00
70.00	0.11	0.84	0.00	0.00
71.88	62.47	609.42	0.00	0.00
72.00	3.98	38.85	0.00	0.00
73.50	49.95	485.55	0.00	0.00
74.00	16.46	115.42	0.00	0.00
76.00	66.39	463.70	0.00	0.00

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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

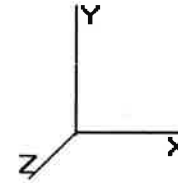
78.00	66.27	461.98	0.00	0.00
79.63	53.87	375.24	0.00	0.00
80.00	12.19	64.88	0.00	0.00
82.00	62.97	349.66	0.00	0.00
84.00	59.76	347.94	0.00	0.00
86.00	59.53	346.22	0.00	0.00
88.00	59.29	344.51	0.00	0.00
89.44	42.50	259.67	0.00	0.00
90.00	16.47	58.40	0.00	0.00
92.00	58.76	207.47	0.00	0.00
94.00	58.48	205.76	0.00	0.00
96.00	38.34	204.04	0.00	0.00
98.00	38.05	202.32	0.00	0.00
100.0	37.76	200.61	0.00	0.00
102.0	37.45	198.89	0.00	0.00
104.0	37.14	197.17	0.00	0.00
106.0	36.82	195.45	0.00	0.00
108.0	36.49	193.74	0.00	0.00
110.0	36.16	192.02	0.00	0.00
110.0	0.06	0.32	0.00	0.00
112.0	35.75	161.94	0.00	0.00
114.0	35.46	160.92	0.00	0.00
116.0	35.10	159.63	0.00	0.00
118.0	34.73	158.34	0.00	0.00
119.0	603.55	1,286.99	0.00	0.00
120.0	17.11	67.23	0.00	0.00
122.0	33.97	133.48	0.00	0.00
124.0	33.58	132.19	0.00	0.00
126.0	33.19	130.90	0.00	0.00
128.0	32.78	129.61	0.00	0.00
130.0	134.20	207.52	0.00	0.00
132.0	31.96	117.19	0.00	0.00
134.0	31.54	115.89	0.00	0.00
136.0	31.11	114.60	0.00	0.00
138.0	30.68	113.31	0.00	0.00
140.0	30.23	112.02	0.00	0.00
142.0	29.79	110.73	0.00	0.00
144.0	29.34	109.44	0.00	0.00
146.0	28.88	108.15	0.00	0.00
148.0	978.05	2,943.36	0.00	2,352.93
150.0	110.21	126.67	0.00	1,119.67
Totals:	5,550.03	31,361.61	0.00	3,472.60

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
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 Base Elev: 0.000 (ft)

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

28 Iterations

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

Wind Importance Factor : 1.00

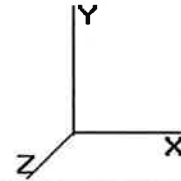
Calculated Forces

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	-31.36	-5.55	0.00	-515.66	0.00	515.66	3,157.17	1,578.58	4,812.28	2,376.61	0.00	0.00	0.140
2.00	-30.85	-5.52	0.00	-504.55	0.00	504.55	3,140.17	1,570.08	4,745.43	2,343.59	0.00	-0.02	0.138
4.00	-30.33	-5.49	0.00	-493.50	0.00	493.50	3,123.00	1,561.50	4,678.76	2,310.67	0.02	-0.05	0.136
6.00	-29.82	-5.46	0.00	-482.52	0.00	482.52	3,105.67	1,552.83	4,612.30	2,277.84	0.04	-0.07	0.135
8.00	-29.32	-5.43	0.00	-471.60	0.00	471.60	3,088.17	1,544.08	4,546.05	2,245.12	0.08	-0.09	0.133
9.00	-29.06	-5.40	0.00	-466.17	0.00	466.17	3,079.35	1,539.68	4,513.00	2,228.80	0.10	-0.10	0.132
9.00	-29.06	-5.40	0.00	-466.17	0.00	466.17	3,079.35	1,539.68	4,513.00	2,228.80	0.10	-0.10	0.132
10.00	-28.81	-5.38	0.00	-460.77	0.00	460.77	3,070.50	1,535.25	4,480.00	2,212.51	0.12	-0.11	0.131
12.00	-28.31	-5.33	0.00	-450.02	0.00	450.02	3,052.67	1,526.33	4,414.18	2,180.00	0.17	-0.14	0.129
14.00	-27.81	-5.28	0.00	-439.36	0.00	439.36	3,034.67	1,517.33	4,348.59	2,147.60	0.23	-0.16	0.127
16.00	-27.31	-5.23	0.00	-428.80	0.00	428.80	3,016.50	1,508.25	4,283.23	2,115.32	0.31	-0.18	0.126
18.00	-26.82	-5.18	0.00	-418.34	0.00	418.34	2,998.17	1,499.09	4,218.10	2,083.16	0.39	-0.20	0.124
20.00	-26.33	-5.13	0.00	-407.98	0.00	407.98	2,979.67	1,489.84	4,153.23	2,051.12	0.48	-0.23	0.122
22.00	-25.84	-5.08	0.00	-397.72	0.00	397.72	2,961.01	1,480.51	4,088.60	2,019.21	0.58	-0.25	0.120
24.00	-25.35	-5.03	0.00	-387.56	0.00	387.56	2,942.18	1,471.09	4,024.24	1,987.42	0.69	-0.27	0.118
26.00	-24.87	-4.98	0.00	-377.50	0.00	377.50	2,923.18	1,461.59	3,960.14	1,955.77	0.80	-0.29	0.117
28.00	-24.39	-4.93	0.00	-367.53	0.00	367.53	2,903.09	1,451.54	3,895.07	1,923.63	0.93	-0.32	0.115
30.00	-23.91	-4.88	0.00	-357.67	0.00	357.67	2,875.19	1,437.60	3,820.15	1,886.63	1.07	-0.34	0.113
31.50	-23.55	-4.84	0.00	-350.33	0.00	350.33	2,854.23	1,427.11	3,764.32	1,859.06	1.18	-0.35	0.112
32.00	-23.38	-4.83	0.00	-347.93	0.00	347.93	2,847.30	1,423.65	3,745.97	1,849.99	1.21	-0.36	0.110
34.00	-22.68	-4.77	0.00	-338.26	0.00	338.26	2,819.40	1,409.70	3,672.50	1,813.71	1.37	-0.38	0.109
35.13	-22.30	-4.74	0.00	-332.89	0.00	332.89	2,803.71	1,401.86	3,631.50	1,793.46	1.46	-0.39	0.108
35.67	-22.08	-4.72	0.00	-330.31	0.00	330.31	2,253.05	1,126.52	2,980.43	1,471.92	1.51	-0.40	0.097
36.00	-21.99	-4.71	0.00	-328.75	0.00	328.75	2,250.82	1,125.41	2,972.64	1,468.08	1.53	-0.40	0.096
38.00	-21.45	-4.65	0.00	-319.32	0.00	319.32	2,237.24	1,118.62	2,925.53	1,444.81	1.71	-0.42	0.094
39.00	-21.02	-4.58	0.00	-314.67	0.00	314.67	2,230.38	1,115.19	2,902.02	1,433.20	1.79	-0.43	0.093
40.00	-20.75	-4.55	0.00	-310.09	0.00	310.09	2,223.49	1,111.74	2,878.55	1,421.61	1.89	-0.44	0.092
42.00	-20.22	-4.49	0.00	-300.99	0.00	300.99	2,209.57	1,104.78	2,831.72	1,398.48	2.07	-0.45	0.090
44.00	-19.69	-4.42	0.00	-292.02	0.00	292.02	2,195.48	1,097.74	2,785.05	1,375.43	2.27	-0.47	0.089
46.00	-19.16	-4.36	0.00	-283.17	0.00	283.17	2,181.23	1,090.62	2,738.53	1,352.46	2.47	-0.49	0.087
48.00	-18.63	-4.30	0.00	-274.45	0.00	274.45	2,166.82	1,083.41	2,692.17	1,329.56	2.68	-0.51	0.085
49.38	-18.27	-4.25	0.00	-268.54	0.00	268.54	2,156.81	1,078.40	2,660.41	1,313.87	2.83	-0.52	0.083
49.38	-18.27	-4.25	0.00	-268.54	0.00	268.54	2,156.81	1,078.40	2,660.41	1,313.87	2.83	-0.52	0.087
50.00	-18.11	-4.23	0.00	-265.88	0.00	265.88	2,152.23	1,076.12	2,645.99	1,306.76	2.89	-0.52	0.086
52.00	-17.58	-4.17	0.00	-257.42	0.00	257.42	2,137.48	1,068.74	2,599.99	1,284.04	3.12	-0.54	0.084
53.13	-17.29	-4.13	0.00	-252.71	0.00	252.71	2,129.08	1,064.54	2,574.08	1,271.24	3.25	-0.55	0.083
53.13	-17.29	-4.13	0.00	-252.71	0.00	252.71	2,129.08	1,064.54	2,574.08	1,271.24	3.25	-0.55	0.085
54.00	-17.06	-4.10	0.00	-249.12	0.00	249.12	2,122.57	1,061.28	2,554.17	1,261.41	3.35	-0.56	0.084
56.00	-16.54	-4.04	0.00	-240.91	0.00	240.91	2,107.48	1,053.74	2,508.54	1,238.87	3.59	-0.58	0.082
58.00	-16.03	-3.97	0.00	-232.84	0.00	232.84	2,092.24	1,046.12	2,463.11	1,216.44	3.83	-0.59	0.080
60.00	-15.51	-3.90	0.00	-224.90	0.00	224.90	2,076.82	1,038.41	2,417.88	1,194.10	4.08	-0.61	0.078
62.00	-15.00	-3.84	0.00	-217.09	0.00	217.09	2,061.24	1,030.62	2,372.86	1,171.87	4.34	-0.63	0.076
64.00	-14.49	-3.77	0.00	-209.42	0.00	209.42	2,045.49	1,022.75	2,328.07	1,149.74	4.61	-0.64	0.074
66.00	-13.99	-3.70	0.00	-201.88	0.00	201.88	2,029.58	1,014.79	2,283.49	1,127.73	4.88	-0.66	0.072
68.00	-13.48	-3.63	0.00	-194.47	0.00	194.47	2,008.56	1,004.28	2,233.65	1,103.12	5.16	-0.68	0.070
68.13	-13.45	-3.63	0.00	-194.00	0.00	194.00	2,007.04	1,003.52	2,230.27	1,101.45	5.18	-0.68	0.070
68.13	-13.45	-3.63	0.00	-194.00	0.00	194.00	2,007.04	1,003.52	2,230.27	1,101.45	5.18	-0.68	0.064
70.00	-12.98	-3.56	0.00	-187.21	0.00	187.21	1,985.27	992.64	2,181.87	1,077.55	5.45	-0.69	0.062
70.00	-12.98	-3.57	0.00	-187.20	0.00	187.20	1,985.24	992.62	2,181.79	1,077.50	5.45	-0.69	0.062
71.88	-12.37	-3.50	0.00	-180.51	0.00	180.51	1,963.39	981.69	2,133.76	1,053.78	5.73	-0.71	0.060
71.88	-12.37	-3.50	0.00	-180.51	0.00	180.51	1,963.39	981.69	2,133.76	1,053.78	5.73	-0.71	0.062

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (in/ft)

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

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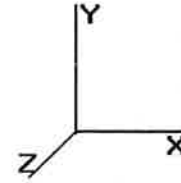
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	28 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

72.00	-12.33	-3.49	0.00	-180.09	0.00	180.09	1,961.99	981.00	2,130.70	1,052.27	5.75	-0.71	0.062
73.50	-11.84	-3.44	0.00	-174.84	0.00	174.84	1,473.96	736.98	1,624.57	802.31	5.97	-0.72	0.070
74.00	-11.73	-3.42	0.00	-173.13	0.00	173.13	1,471.43	735.72	1,617.01	798.58	6.05	-0.72	0.069
76.00	-11.26	-3.35	0.00	-166.28	0.00	166.28	1,461.13	730.56	1,586.64	783.58	6.35	-0.74	0.067
78.00	-10.80	-3.28	0.00	-159.57	0.00	159.57	1,450.65	725.33	1,556.35	768.62	6.67	-0.75	0.065
79.63	-10.43	-3.23	0.00	-154.22	0.00	154.22	1,442.00	721.00	1,531.74	756.47	6.93	-0.77	0.063
79.63	-10.43	-3.23	0.00	-154.22	0.00	154.22	1,442.00	721.00	1,531.74	756.47	6.93	-0.77	0.084
80.00	-10.36	-3.22	0.00	-153.03	0.00	153.03	1,440.02	720.01	1,526.16	753.71	6.98	-0.77	0.084
82.00	-10.01	-3.15	0.00	-146.59	0.00	146.59	1,429.21	714.61	1,496.08	738.86	7.31	-0.79	0.081
84.00	-9.66	-3.09	0.00	-140.29	0.00	140.29	1,418.24	709.12	1,466.10	724.05	7.64	-0.81	0.078
86.00	-9.32	-3.03	0.00	-134.11	0.00	134.11	1,407.10	703.55	1,436.24	709.30	7.99	-0.82	0.075
88.00	-8.97	-2.97	0.00	-128.05	0.00	128.05	1,395.80	697.90	1,406.50	694.62	8.34	-0.84	0.073
89.44	-8.71	-2.92	0.00	-123.78	0.00	123.78	1,387.56	693.78	1,385.17	684.08	8.59	-0.86	0.067
89.44	-8.71	-2.92	0.00	-123.78	0.00	123.78	1,387.56	693.78	1,385.17	684.08	8.59	-0.86	0.187
90.00	-8.65	-2.91	0.00	-122.14	0.00	122.14	1,384.33	692.17	1,376.89	680.00	8.69	-0.86	0.186
92.00	-8.45	-2.85	0.00	-116.32	0.00	116.32	1,372.70	686.35	1,347.42	665.44	9.06	-0.91	0.181
94.00	-8.24	-2.80	0.00	-110.62	0.00	110.62	1,360.89	680.45	1,318.09	650.96	9.45	-0.95	0.176
96.00	-8.03	-2.76	0.00	-105.02	0.00	105.02	1,348.92	674.46	1,288.91	636.54	9.86	-1.00	0.171
98.00	-7.83	-2.73	0.00	-99.49	0.00	99.49	1,336.79	668.39	1,259.89	622.21	10.29	-1.05	0.166
100.00	-7.63	-2.69	0.00	-94.04	0.00	94.04	1,324.49	662.24	1,231.02	607.96	10.74	-1.09	0.160
102.00	-7.43	-2.66	0.00	-88.65	0.00	88.65	1,312.02	656.01	1,202.33	593.78	11.21	-1.13	0.155
104.00	-7.23	-2.62	0.00	-83.34	0.00	83.34	1,299.39	649.69	1,173.81	579.70	11.69	-1.18	0.149
106.00	-7.03	-2.59	0.00	-78.10	0.00	78.10	1,284.34	642.17	1,143.47	564.72	12.19	-1.22	0.144
108.00	-6.84	-2.55	0.00	-72.93	0.00	72.93	1,265.75	632.87	1,110.41	548.39	12.71	-1.26	0.138
110.00	-6.65	-2.51	0.00	-67.83	0.00	67.83	1,247.15	623.58	1,077.84	532.30	13.25	-1.30	0.133
110.00	-6.64	-2.51	0.00	-67.82	0.00	67.82	1,247.12	623.56	1,077.78	532.28	13.25	-1.30	0.133
110.00	-6.64	-2.51	0.00	-67.82	0.00	67.82	856.50	428.25	744.58	367.72	13.25	-1.30	0.192
112.00	-6.48	-2.48	0.00	-62.80	0.00	62.80	849.29	424.65	727.25	359.16	13.80	-1.34	0.183
114.00	-6.32	-2.45	0.00	-57.85	0.00	57.85	841.90	420.95	709.95	350.62	14.37	-1.39	0.173
116.00	-6.16	-2.41	0.00	-52.96	0.00	52.96	834.35	417.17	692.70	342.10	14.96	-1.44	0.162
118.00	-6.00	-2.38	0.00	-48.13	0.00	48.13	826.63	413.31	675.51	333.61	15.58	-1.48	0.152
119.00	-4.73	-1.74	0.00	-45.76	0.00	45.76	822.70	411.35	666.94	329.38	15.89	-1.50	0.145
120.00	-4.66	-1.72	0.00	-44.02	0.00	44.02	818.74	409.37	658.39	325.15	16.21	-1.53	0.141
122.00	-4.53	-1.69	0.00	-40.57	0.00	40.57	810.68	405.34	641.34	316.73	16.86	-1.57	0.134
124.00	-4.39	-1.66	0.00	-37.19	0.00	37.19	802.46	401.23	624.37	308.35	17.52	-1.61	0.126
126.00	-4.26	-1.62	0.00	-33.87	0.00	33.87	794.08	397.04	607.49	300.02	18.20	-1.65	0.118
128.00	-4.13	-1.59	0.00	-30.63	0.00	30.63	785.52	392.76	590.71	291.73	18.90	-1.68	0.110
130.00	-3.93	-1.45	0.00	-27.45	0.00	27.45	776.80	388.40	574.02	283.49	19.61	-1.72	0.102
132.00	-3.81	-1.42	0.00	-24.55	0.00	24.55	767.92	383.96	557.44	275.30	20.34	-1.75	0.094
134.00	-3.70	-1.38	0.00	-21.72	0.00	21.72	758.87	379.43	540.98	267.17	21.08	-1.78	0.086
136.00	-3.58	-1.35	0.00	-18.95	0.00	18.95	749.65	374.82	524.63	259.10	21.84	-1.81	0.078
138.00	-3.47	-1.32	0.00	-16.24	0.00	16.24	740.26	370.13	508.41	251.09	22.60	-1.84	0.069
140.00	-3.36	-1.29	0.00	-13.61	0.00	13.61	730.85	365.43	492.42	243.19	23.38	-1.86	0.061
142.00	-3.25	-1.25	0.00	-11.03	0.00	11.03	716.87	358.43	473.65	233.92	24.16	-1.88	0.052
144.00	-3.14	-1.22	0.00	-8.53	0.00	8.53	702.88	351.44	455.24	224.83	24.95	-1.90	0.042
146.00	-3.03	-1.19	0.00	-6.08	0.00	6.08	688.90	344.45	437.20	215.92	25.75	-1.91	0.033
148.00	-0.12	-0.11	0.00	-1.35	0.00	1.35	674.91	337.46	419.53	207.19	26.56	-1.92	0.007
150.00	0.00	-0.11	0.00	-1.12	0.00	1.12	660.93	330.46	402.22	198.64	27.36	-1.93	0.006

Pole : 302480
 Location : Woodbridge CT 1, CT
 Height : 150.0 (ft)
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Shape : 12 Sides
 Taper : 0.156707 (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	26.48	0.00	35.93	0.00	0.00	2486.81	110.00	0.92
0.9D + 1.6W	26.23	0.00	29.04	0.00	0.00	2459.42	110.00	0.90
1.2D + 1.0Di + 1.0Wi	5.16	0.00	51.51	0.00	0.00	518.46	110.00	0.22
1.0D + 1.0W	5.55	0.00	31.36	0.00	0.00	515.66	110.00	0.19

Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Upper Termination Connectors				Lower Termination Connectors				Max Member		
			VQ/I (lb/in)	Shear Applied (kips)	Shear phiVn (kips)	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Pu (kip)	phiPn (kip)	Ratio
0.00	9.00	(4) SOL-#20 All Thre	234.9	9.2	16.8	0.0	12.0	0	0	0.0	12.0	0	0	260.4	315.5	0.825
9.00	89.4	(4) SOL-#20 All Thre	286.8	8.6	16.8	143.0	12.0	12	12	0.0	12.0	0	0	251.2	330.5	0.760
35.1	49.3	(4) PL-PL 4" x 1"	145.1	1.3	25.3	110.7	25.3	5	6	118.5	25.3	5	9	125.1	176.8	0.708
49.3	53.1	(4) PL-PL 4" x 1"	158.4	2.4	25.3	0.0	25.3	0	6	0.0	25.3	0	6	123.6	171.4	0.721
53.1	68.1	(4) PL-PL 4" x 1"	151.9	2.7	25.3	97.2	25.3	4	6	113.5	25.3	5	6	114.8	167.7	0.684
68.1	71.8	(4) PL-PL 4" x 1"	145.7	2.2	25.3	90.3	25.3	4	6	94.7	25.3	4	6	95.7	171.4	0.558
71.8	79.6	(4) PL-PL 4" x 1"	145.7	2.6	25.3	82.9	25.3	4	6	87.2	25.3	4	6	90.4	167.7	0.539

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	37.38 in
	Pole Thickness	0.375 in
	Plate Length	44 in
	Plate Thickness	2.5 in
	Plate Fy	60 ksi
	Weld Length	0.3125 in
	ϕ_s Resistance	1228.77 k-in
	Applied	588.55 k-in
	#	0
Stiffeners		

Code Rev. **G**

Date
 Engineer
 Site #
 Carrier

Moment **2486.8 k-ft**
 Axial **35.9 k**

Bolts	#	8
	Bolt Circle	44 in
	(R)adial / (S)quare	S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	A615-75
	Fy	75 ksi
	Fu	100 ksi
	ϕ_s Resistance	259.82 k
Applied	174.65 k	

Reinforcement	#	4
	DYW. Circle	44 in
	Offset Angle	0°
	Type	#20
	Diameter	2.5 in
Fu	100 ksi	

Extra Bolts O	#	4
	Bolt Circle	44 in
	(R)adial / (S)quare	R
	Offset Angle	20°
	Diameter	1.5 in
	Type	A354-BC
	Fy	109 ksi
	Fu	125 ksi
ϕ_s Resistance	140.53 k	
Applied	78.82 k	

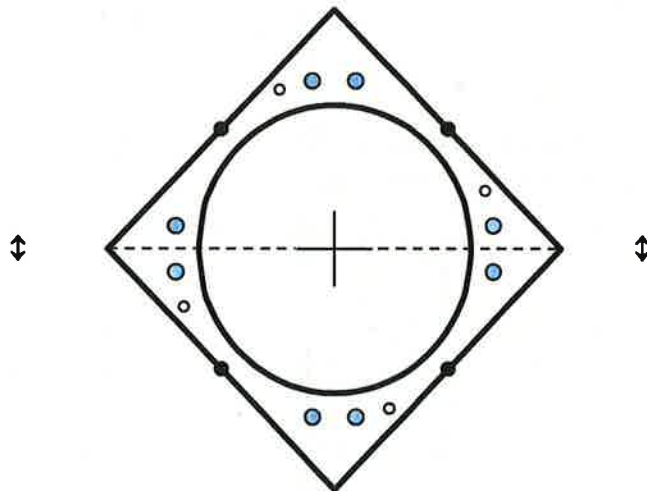


Plate Stress Ratio:
0.48 (Pass)

Bolt Stress Ratio:
0.67 (Pass)

Extra Bolt Stress Ratio:
0.56 (Pass)

Base/Flange Plate	Plate Type	Flange @ 110.0 ft
	Pole Diameter	21.268 in
	Pole Thickness	in
	Plate Diameter	28.5 in
	Plate Thickness	1 in
	Plate Fy	60 ksi
	Weld Length	0.1875 in
	ϕ_s Resistance Applied	144.29 k-in 76.58 k-in
Stiffeners	#	12 Show
	Thickness	0.5 in
	Length	3 in
	Height	4 in
	Chamfer	1 in
	Offset Angle	0°
	Fy	36 ksi

Code Rev. **G**

Date
 Engineer
 Site #
 Carrier

Moment **334.4 k-ft**
 Axial **6.7 k**

Bolts	#	12
	Bolt Circle (R)adial / (S)quare	25.75 in R
	Diameter	1 in
	Hole Diameter	1.125 in
	Type	A325
	Fy	92 ksi
	Fu	120 ksi
ϕ_s Resistance Applied	54.52 k 51.36 k	
Reinforcement	#	0
Extra Bolts	#	0

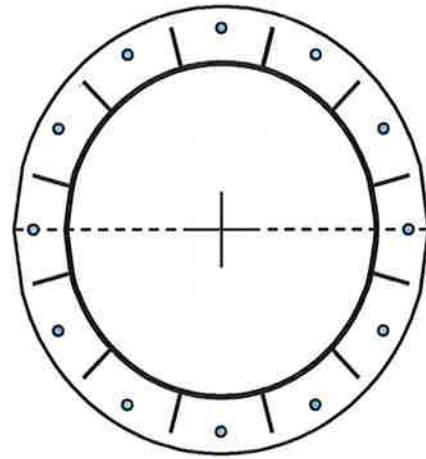


Plate Stress Ratio:
0.53 (Pass)

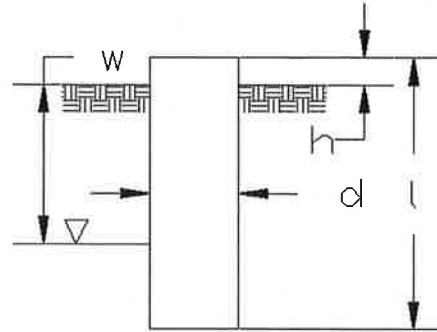
Bolt Stress Ratio:
0.94 (Pass)

Site Name: Woodbridge CT 1
 Site Number: 302480
 Engineer: D. Boulware
 Engineering Number: 54869521
 Date: 04/15/14

Program Last Updated: 4/28/2013
 American Tower Corporation

Design Base Loads (Factored) - Analysis per TIA-222-G Standards

Analyze or Design a Foundation? Analyze
 Foundation Mapped: Y
 Moment (M): 2486.8 k-ft
 Shear/Leg (V): 26.5 k
 Axial Load (P): 35.9 k
 Uplift/Leg (U): 0.0 k
 Tower Type (GT / SST / MP): MP
 Diameter of Caisson (d): 5.0 ft
 Caisson Embedment (L-h): 30.8 ft
 Caisson Height Above Ground (h): 0.3 ft
 Depth Below Ground Surface to Water Table (w): 2.0 ft
 Unit Weight of Concrete: 150.0 pcf
 Unit Weight of Water: 62.4 pcf
 Tension Skin Friction/Compression Skin Friction: 1.00
 Pullout Angle: 30.0 degrees



Engineer Notes

Soil Mechanical Properties

Depth (ft)		γ_{soil}	Cohesion	ϕ	Ultimate Skin	Ultimate Bearing
Top	Bottom	(pcf)	(psf)	(degree)	Friction (psf)	Pressure (psf)
0.0	2.0	100	0	0	0	0
2.0	7.0	100	0	20	0	0
7.0	20.0	100	0	20	0	0
20.0	31.8	110	0	35	0	12000

Required Embedment: 29.5 ft - OK, Caisson Embedment Satisfactory
 Volume of Concrete: 610.6 ft³ = 22.6 yd³
 Weight of Concrete (Buoyancy Effect Considered): 56.3 k
 Average Soil Unit Weight: 45.2 pcf
 Skin Friction Resistance: 0.0 k
 Compressive Bearing Resistance: 235.6 k
 Pullout Weight (Minus Concrete Weight): 654.8 k
 Nominal Uplift Capacity per Leg ($\phi_s T_n$): 42.2 k
 Nominal Compressive Capacity per Leg ($\phi_s P_n$): 176.7 k
 P_u : 69.7 k
 $T_u / \phi_s T_n$: 0.00 Result: OK
 $P_u / \phi_s P_n$: 0.39 Result: OK
 Total Lateral Resistance: 854.7 k
 Inflection Point (Below Ground Surface): 23.9 ft
 Design Overturning Moment At Inflection Point (M_D): 3126.3 k-ft
 Nominal Moment Capacity ($\phi_s M_n$): 3821.3 k-ft
 $M_D / \phi_s M_n$: 0.82 Result: OK
 ϕ_s : 0.75