

February 12, 2015

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

**Re: Notice of Exempt Modification – Facility Modification  
405 Brushy Plain Road, Branford, Connecticut**

Dear Ms. Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains twelve (12) antennas at the 113-foot level on the existing 150-foot tower at 405 Brushy Plain Road in Branford, Connecticut (the “Property”). The tower is owned by American Tower Corporation. Cellco’s shared use of this tower was approved by the Council in 2000. Cellco now intends to modify its facility by replacing six (6) of its existing antennas with two (2) model BXA-171085-8CF, 1900 MHz antennas; one (1) model BXA-171063-8CF, 1900 MHz antennas; and three (3) model SBNHH-1D65B, dual band 700 MHz/2100 MHz antennas, all at the same 113-foot level on the tower. Cellco also intends to install three (3) remote radio heads (“RRHs”) behind its dual band 700 MHz/2100 MHz antennas. Included in Attachment 1 are specifications for Cellco’s replacement antennas and RRHs.

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 James B. Cosgrove, First Selectman of the Town of Branford. A copy of this letter is also being sent to Kristin L. and Edward F. Jaconette, Jr., the owners of the Property.

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

# Robinson+Cole

Melanie A. Bachman  
February 12, 2015  
Page 2

1. The proposed modifications will not result in an increase in the height of the existing tower. Cellco's replacement antennas and RRHs will be installed on its existing antenna platform at the 113-foot level of 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 replacement antennas will not increase radio frequency (RF) emissions at the facility to a level at or above the Federal Communications Commission (FCC) safety standard. A cumulative General Power Density table for Cellco's modified facility is included in Attachment 2.
5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.
6. The tower and its foundation can support Cellco's proposed modifications. (*See Structural Analysis Report included in Attachment 3*).

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

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

James B. Cosgrove, Branford First Selectman  
Kristin L. and Edward F. Jaconette, Jr.  
Sandy M. Carter

# **ATTACHMENT 1**

## BXA-171085-8CF-EDIN-X

X-Pol | FET Panel | 85° | 16.4 dBi

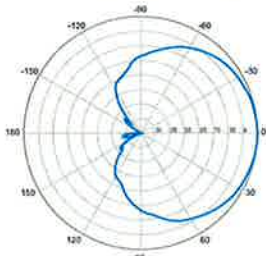
Replace "X" with desired electrical downtilt.

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

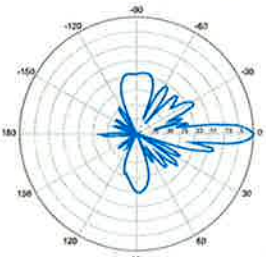


Electrical Characteristics	1710-2170 MHz		
Frequency bands	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Polarization	±45°	±45°	±45°
Horizontal beamwidth	88°	85°	80°
Vertical beamwidth	7°	7°	7°
Gain	13.5 dBd / 15.6 dBi	13.9 dBd / 16.0 dBi	14.3 dBd / 16.4 dBi
Electrical downtilt (X)	0, 2, 4		
Impedance	50Ω		
VSWR	≤1.5:1		
First upper sidelobe	< -17 dB		
Front-to-back ratio	> 30 dB		
In-band isolation	< -25 dB		
IM3 (2x20W carrier)	< -150 dBc		
Input power	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)		
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	>201 km/hr		125 mph
Wind area	Front: 0.19 m <sup>2</sup> Side: 0.14 m <sup>2</sup>	Front: 2.0 ft <sup>2</sup> Side: 1.5 ft <sup>2</sup>	
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**

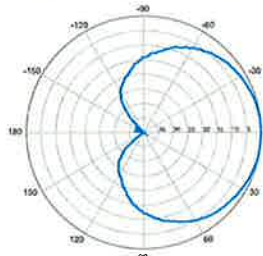


Horizontal | 1710-1880 MHz  
**BXA-171085-8CF-EDIN-0**

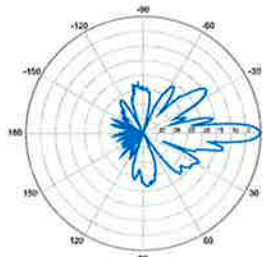


0° | Vertical | 1710-1880 MHz

**BXA-171085-8CF-EDIN-X**

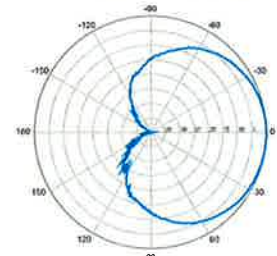


Horizontal | 1850-1990 MHz  
**BXA-171085-8CF-EDIN-0**

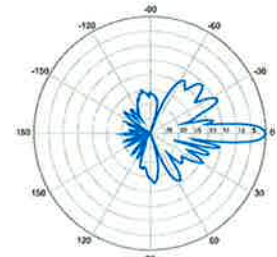


0° | Vertical | 1850-1990 MHz

**BXA-171085-8CF-EDIN-X**



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



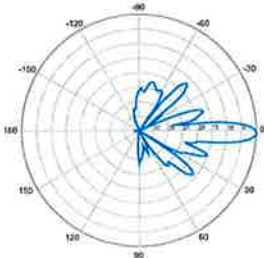
0° | Vertical | 1920-2170 MHz

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

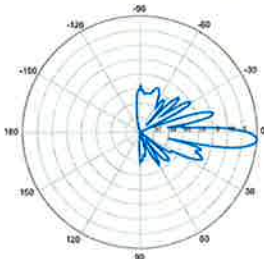
X-Pol | FET Panel | 85° | 16.4 dBi

**BXA-171085-8CF-EDIN-2**



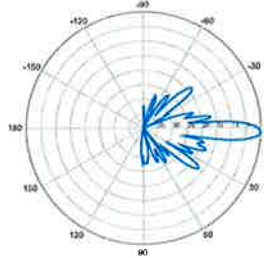
2° | Vertical | 1710-1880 MHz

**BXA-171085-8CF-EDIN-4**



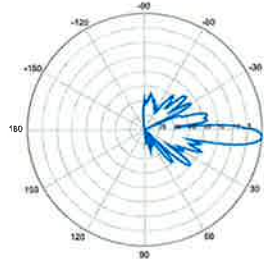
4° | Vertical | 1710-1880 MHz

**BXA-171085-8CF-EDIN-2**



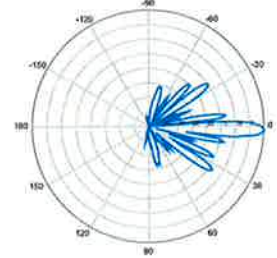
2° | Vertical | 1850-1990 MHz

**BXA-171085-8CF-EDIN-4**



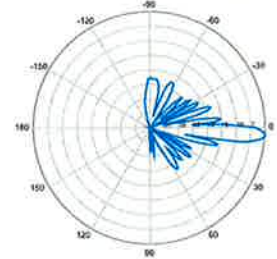
4° | Vertical | 1850-1990 MHz

**BXA-171085-8CF-EDIN-2**



2° | Vertical | 1920-2170 MHz

**BXA-171085-8CF-EDIN-4**



4° | Vertical | 1920-2170 MHz

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

## BXA-171063-8CF-EDIN-X

X-Pol | FET Panel | 63° | 17.4 dBi

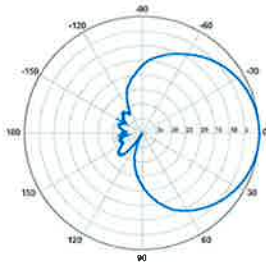
Replace 'X' with desired electrical downtilt.

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

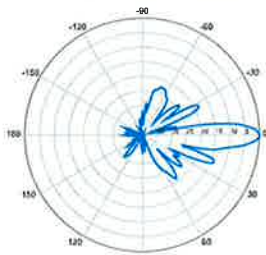
Electrical Characteristics	1710-2170 MHz		
	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Frequency bands	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Polarization	±45°	±45°	±45°
Horizontal beamwidth	68°	65°	60°
Vertical beamwidth	7°	7°	7°
Gain	14.5 dBd / 16.6 dBi	14.9 dBd / 17.0 dBi	15.3 dBd / 17.4 dBi
Electrical 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 or NE / Female / Center (Back)		
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 <sup>2</sup> Side: 0.14 m <sup>2</sup>	Front: 2.0 ft <sup>2</sup> Side: 1.5 ft <sup>2</sup>	
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-171063-8CF-EDIN-X-FP		



**BXA-171063-8CF-EDIN-X**

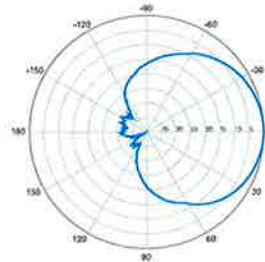


Horizontal | 1710-1880 MHz  
**BXA-171063-8CF-EDIN-0**

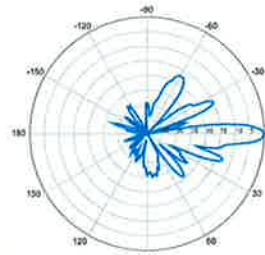


0° | Vertical | 1710-1880 MHz

**BXA-171063-8CF-EDIN-X**

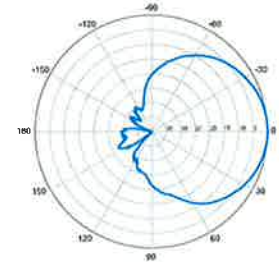


Horizontal | 1850-1990 MHz  
**BXA-171063-8CF-EDIN-0**

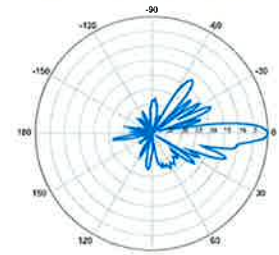


0° | Vertical | 1850-1990 MHz

**BXA-171063-8CF-EDIN-X**



Horizontal | 1920-2170 MHz  
**BXA-171063-8CF-EDIN-0**



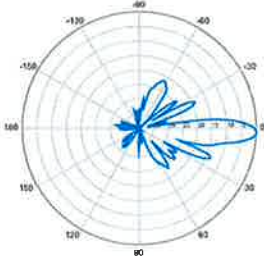
0° | Vertical | 1920-2170 MHz

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-171063-8CF-EDIN-X

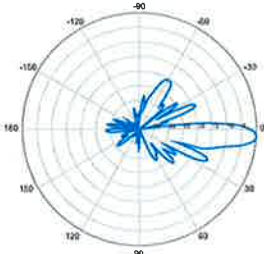
X-Pol | FET Panel | 63° | 17.4 dBi

**BXA-171063-8CF-EDIN-2**



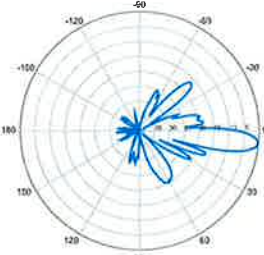
2° | Vertical | 1710-1880 MHz

**BXA-171063-8CF-EDIN-4**



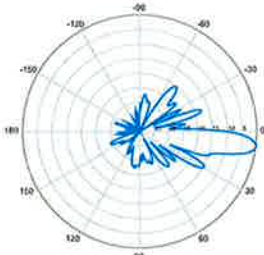
4° | Vertical | 1710-1880 MHz

**BXA-171063-8CF-EDIN-6**



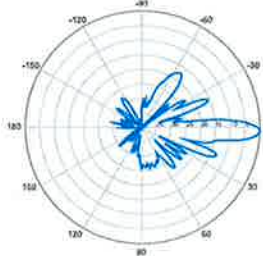
6° | Vertical | 1710-1880 MHz

**BXA-171063-8CF-EDIN-8**



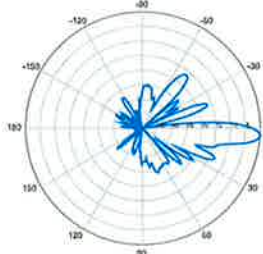
8° | Vertical | 1710-1880 MHz

**BXA-171063-8CF-EDIN-2**



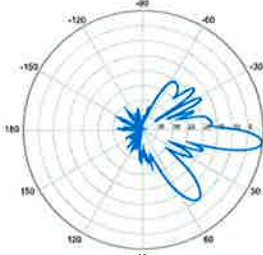
2° | Vertical | 1850-1990 MHz

**BXA-171063-8CF-EDIN-4**



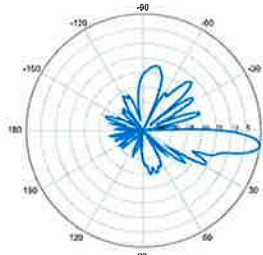
4° | Vertical | 1850-1990 MHz

**BXA-171063-8CF-EDIN-6**



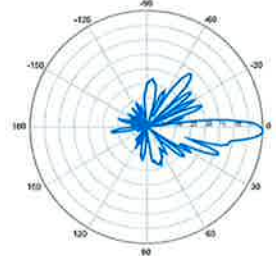
6° | Vertical | 1850-1990 MHz

**BXA-171063-8CF-EDIN-8**



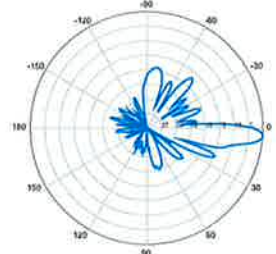
8° | Vertical | 1850-1990 MHz

**BXA-171063-8CF-EDIN-2**



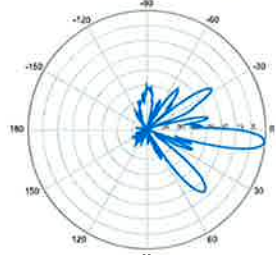
2° | Vertical | 1920-2170 MHz

**BXA-171063-8CF-EDIN-4**



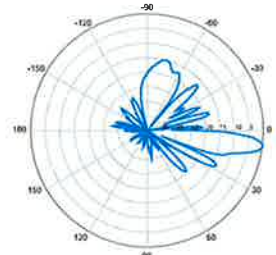
4° | Vertical | 1920-2170 MHz

**BXA-171063-8CF-EDIN-6**



6° | Vertical | 1920-2170 MHz

**BXA-171063-8CF-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.

# Product Specifications



SBNHH-1D65B

**Andrew® Tri-band Antenna, 698–896 and 2 x 1710–2360 MHz, 65° horizontal beamwidth, internal RET. Both high bands share the same electrical tilt.**

POWERED BY



## Electrical Specifications

Frequency Band, MHz	698–806	806–896	1710–1880	1850–1990	1920–2180	2300–2360
Gain, dBi	14.9	14.7	17.7	18.2	18.6	18.6
Beamwidth, Horizontal, degrees	68	66	69	66	63	58
Beamwidth, Vertical, degrees	12.1	10.7	5.6	5.2	5.0	4.5
Beam Tilt, degrees	0–14	0–14	0–7	0–7	0–7	0–7
USLS, dB	14	13	15	15	15	13
Front-to-Back Ratio at 180°, dB	27	29	28	28	28	27
CPR at Boresight, dB	20	23	20	20	17	21
CPR at Sector, dB	14	10	12	10	9	1
Isolation, dB	25	25	25	25	25	25
Isolation, Intersystem, dB	30	30	30	30	30	30
VSWR   Return Loss, dB	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0	1.5   14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	350	350	350	350	350	300
Polarization	±45°	±45°	±45°	±45°	±45°	±45°

## Electrical Specifications, BASTA\*

Frequency Band, MHz	698–806	806–896	1710–1880	1850–1990	1920–2180	2300–2360
Gain by all Beam Tilts, average, dBi	14.5	14.3	17.4	17.9	18.2	18.3
Gain by all Beam Tilts Tolerance, dB	±0.5	±0.8	±0.4	±0.3	±0.5	±0.3
Gain by Beam Tilt, average, dBi	0 °   14.6	0 °   14.5	0 °   17.4	0 °   17.8	0 °   18.1	0 °   18.2
	7 °   14.6	7 °   14.4	3 °   17.5	3 °   17.9	3 °   18.3	3 °   18.4
	14 °   14.2	14 °   13.6	7 °   17.4	7 °   17.9	7 °   18.2	7 °   18.4
Beamwidth, Horizontal Tolerance, degrees	±2.2	±3.4	±2	±4.6	±5.7	±4.3
Beamwidth, Vertical Tolerance, degrees	±0.8	±1	±0.3	±0.2	±0.3	±0.2
USLS, dB	16	14	16	16	16	15
Front-to-Back Total Power at 180° ± 30°, dB	25	26	27	26	26	26
CPR at Boresight, dB	22	23	21	20	20	22
CPR at Sector, dB	13	11	16	12	11	4

\* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs.](#)

## Mechanical Specifications

Color   Radome Material	Light gray   Fiberglass, UV resistant
Connector Interface   Location   Quantity	7-16 DIN Female   Bottom   6
Wind Loading, maximum	617.7 N @ 150 km/h 138.9 lbf @ 150 km/h
Wind Speed, maximum	241.4 km/h   150.0 mph
Antenna Dimensions, L x W x D	1828.0 mm x 301.0 mm x 181.0 mm   72.0 in x 11.9 in x 7.1 in
Net Weight	18.4 kg   40.6 lb



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

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



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

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

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

## SUPERIOR RF PERFORMANCE

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

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

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

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

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

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

## OPTIMIZED TCO

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

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

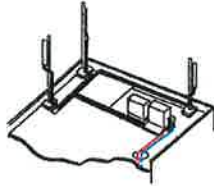
## EASY INSTALLATION

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

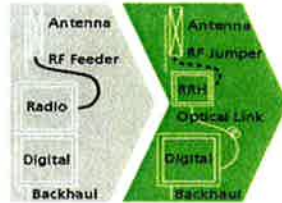
The limited space available in some sites may prevent the installation of traditional single-cabinet BTS equipment. However, many of these sites can host an Alcatel-Lucent RRH2x60-AWS installation, providing more flexible site selection and improved network quality along with greatly reduced installation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

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

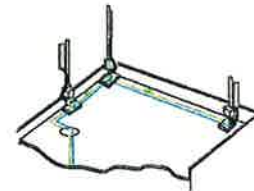
Installation can easily be done by a single person as the Alcatel-Lucent RRH2x60-AWS is compact and weighs about 20 kg, eliminating the need for a crane to hoist the BTS cabinet to the rooftop. A site can be in operation in less than one day.



Macro



RRH for space-constrained cell sites



Distributed

## FEATURES

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

## BENEFITS

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

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

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

## TECHNICAL SPECIFICATIONS

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

### Dimensions and weights

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

### Electrical Data

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

### RF Characteristics

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

### Connectivity

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

### Environmental specifications

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

### Safety and Regulatory Data

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

www.alcatel-lucent.com Alcatel, Lucent, Alcatel-Lucent and the Alcatel-Lucent logo are trademarks of Alcatel-Lucent. All other trademarks are the property of their respective owners. The information presented is subject to change without notice. Alcatel-Lucent assumes no responsibility for inaccuracies contained herein.

Copyright © 2012 Alcatel-Lucent. All rights reserved. M2012XXXXXX (March)

AT THE SPEED OF IDEAS™

Alcatel-Lucent 

# **ATTACHMENT 2**

Site Name: Branford 2 Tower Height: 150ft	General		Power	Density		CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total
	CARRIER	# OF CHAN.	WATTS ERP	HEIGHT						
*AT&T UMTS	2	565	153	0.0174	880	0.5867	2.96%			
*AT&T UMTS	2	875	153	0.0269	1900	1.0000	2.69%			
*AT&T GSM	1	283	153	0.0043	880	0.5867	0.74%			
*AT&T GSM	4	525	153	0.0323	1900	1.0000	3.23%			
*AT&T LTE	1	1313	153	0.0202	734	0.4893	4.12%			
*Clearwire	2	153	130	0.0065	2496	1.0000	0.65%			
*Clearwire	1	211	130	0.0045	11 GHz	1.0000	0.45%			
*Branf PD				0.0055		0.2000	2.75%			
*PageNet				0.0633		0.6210	10.19%			
*T-Mobile LTE	2	24	140	0.0009	2100	1.0000	0.09%			
*T-Mobile GSM/UMTS	2	12	140	0.0004	1950	1.0000	0.04%			
*T-Mobile UMTS	2	12	140	0.0004	2100	1.0000	0.04%			
<b>Verizon PCS</b>	<b>7</b>	<b>299</b>	<b>113</b>	<b>0.0589</b>	<b>1970</b>	<b>1.0000</b>	<b>5.89%</b>			
<b>Verizon Cellular</b>	<b>9</b>	<b>297</b>	<b>113</b>	<b>0.0753</b>	<b>869</b>	<b>0.5793</b>	<b>12.99%</b>			
<b>Verizon AWS</b>	<b>1</b>	<b>2494</b>	<b>113</b>	<b>0.0702</b>	<b>2145</b>	<b>1.0000</b>	<b>7.02%</b>			
<b>Verizon 700</b>	<b>1</b>	<b>548</b>	<b>113</b>	<b>0.0154</b>	<b>746</b>	<b>0.4973</b>	<b>3.10%</b>		<b>56.97%</b>	
* Source: Siting Council										

# **ATTACHMENT 3**



**AMERICAN TOWER®**  
CORPORATION

---

## Structural Analysis Report

**Structure** : 150 ft Monopole  
**ATC Site Name** : Branford CT 6, CT  
**ATC Site Number** : 302484  
**Engineering Number** : 58378927  
**Proposed Carrier** : Verizon Wireless  
**Carrier Site Name** : Branford 2, CT  
**Carrier Site Number** : NA  
**Site Location** : 405 Brushy Plain Rd  
Branford, CT 06405-2308  
41.316806,-72.819700  
**County** : New Haven  
**Date** : January 26, 2015  
**Max Usage** : 99%  
**Result** : Pass

Prepared By:  
William Maynard, E.I.

Reviewed by:  
William Garrett, PE  
Chief Engineer



Jan 26 2015 4:40 PM



Eng. Number 58378927  
January 26, 2015

**Table of Contents**

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



## Introduction

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

## Supporting Documents

<b>Tower Drawings</b>	PJF Job # 29297-629, dated October 2, 1997
<b>Foundation Drawing</b>	Mapped by ATC Tower ID #302484, dated February 13, 2009
<b>Geotechnical Report</b>	Clarence Welti Geotechnical Engineering ID #CT-0020, dated October 8, 1996
<b>Modifications</b>	SpectraSite Drawing CT-0020 M1 dated March 26, 2004 ATC Job # 26487334 dated September 15, 2006 ATC Job # 53055832 dated June 2, 2013

## Analysis

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

<b>Basic Wind Speed:</b>	110 mph (3-Second Gust)
<b>Basic Wind Speed w/ Ice:</b>	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
<b>Code:</b>	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
<b>Structure Class:</b>	II
<b>Exposure Category:</b>	B
<b>Topographic Category:</b>	1
<b>Crest Height:</b>	0 ft
<b>Spectral Response:</b>	$S_s = 0.243$ , $S_1 = 0.062$
<b>Site Class:</b>	D - Stiff Soil

## Conclusion

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

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



**Existing and Reserved Equipment**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
150.0	153.0	3	Diplexer / Coupler	Platform w/ Handrails	(6) 1 5/8" Coax (2) 0.78" 8 AWG 6 (1) 0.39" Cable (1) 3" Conduit	AT&T Mobility
		6	KMW AWS Twin Dual 700 Bypass			
		1	Raycap DC6-48-60-18-8F			
		6	Ericsson RRUS 11 (Band 12)			
		3	Powerwave 7770			
		3	KMW AM-X-CD-16-65-00T-RET			
	154.7	2	Decibel DB408		(2) 7/8" Coax	Town Of Branford
	159.0	1	4' Omni		(1) 1 5/8" Coax	USA Mobility
150.0	1	GPS	(1) 1/2" Coax	Verizon Wireless		
140.0	140.0	3	Ericsson KRY 112 144/1	T-Arms	(12) 1 5/8" Coax (1) 1 1/4" Hybriflex	T-Mobile
		3	Ericsson AIR 21, 1.3M, B2A B4P			
		3	Ericsson AIR 21, 1.3M, B4A B2P			
130.0	130.0	2	DragonWave Horizon Compact	Clearwire Mount	(6) 5/16" Coax (2) 2" Conduit (2) 1/2" Coax	Clearwire
		1	12" x 12" Junction Box			
		1	DragonWave A-ANT-23G-1-C			
		3	NextNet BTS-2500			
		3	Argus LLPX310R			
1	DragonWave A-ANT-18G-2.5-C					
113.0	113.0	6	RFS FD9R6004/2C-3L	T-Arms	(12) 1 1/4" Coax (1) 1 5/8" Hybriflex	Verizon Wireless
		4	RFS APL868013-42T0			
103.0	103.0	2	Decibel DB408	Standoff	(2) 7/8" Coax	Town Of Branford
93.0	93.0	1	Decibel DB408	Standoff	(1) 7/8" Coax	
69.0	70.0	1	Channel Master Type 120	Leg	(1) 0.28" RG6	USA Mobility

**Equipment to be Removed**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
113.0	113.0	3	Antel BXA-171085-8BF-EDIN-X	-	-	Verizon Wireless
		3	Antel BXA-70063/6CF_4			
		2	RFS APL866513-42T0			

**Proposed Equipment**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
113.0	113.0	3	Alcatel-Lucent RRH2x60-AWS	T-Arms	-	Verizon Wireless
		2	Antel BXA-171063-8CF-EDIN-X			
		1	Antel BXA-171085-8CF-EDIN-X			
		2	RFS APL868013-42T0			
		1	RFS DB-T1-6Z-8AB-0Z			
		3	Commscope SBNHH-1D65B			

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



**Structure Usages**

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	72%	Pass
Shaft	87%	Pass
Base Plate	87%	Pass
Flanges	32%	Pass
Reinforcement	99%	Pass

**Foundations**

Reaction Component	Analysis Reactions	% of Usage
Moment (Kips-Ft)	3,443.4	34%

The structure foundation was found to be adequate 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) (°)
113.0	1.133	1.130

\*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:

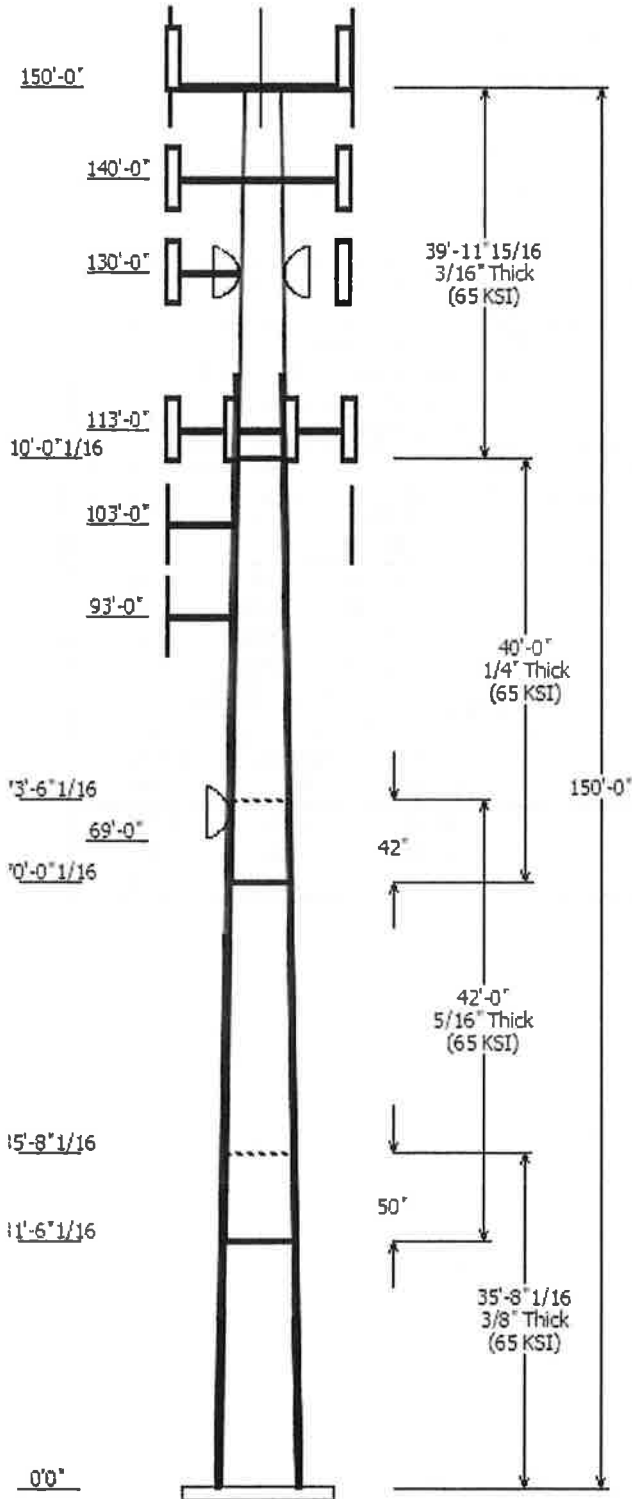
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

© 2007 - 2015 by ATC IP LLC. All rights reserved.

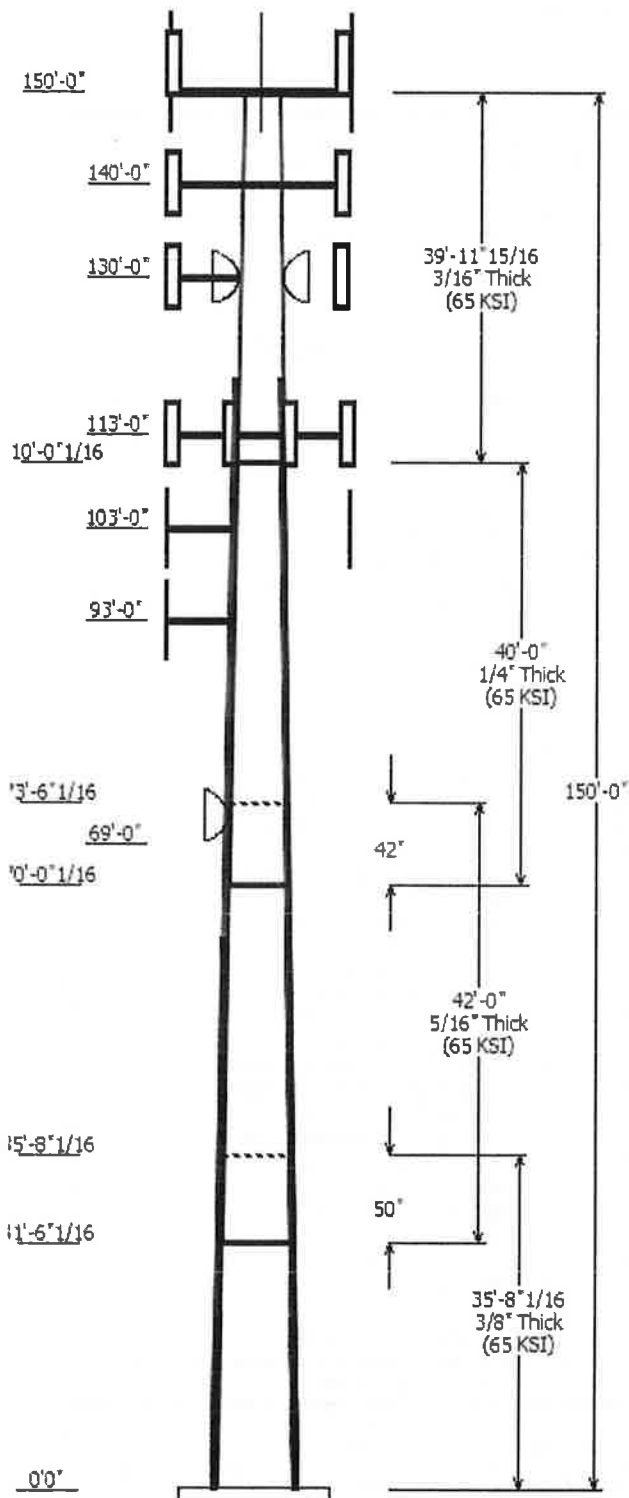


Job Information	
Pole : 302484	Code: ANSI/TIA-222 Rev G
Description : 150 ft. ITT Meyer - Model verified 10/25/11	
Client : Verizon Wireless	Struct Class : II
Location : Branford CT 6, CT	
Shape : 12 Sides	Exposure : B
Height : 150.00 (ft)	Topo : 1
Base Elev (ft): 0.00	
Taper: 0.15670(in/ft)	

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Across Top	Flats Bottom					
1	35.670	31.79	37.38	0.375		0.000	0.156700	65
2	42.000	26.48	33.06	0.313	Slip Joint	50.000	0.156700	65
3	40.000	21.26	27.53	0.250	Slip Joint	42.000	0.156700	65
4	39.997	15.00	21.26	0.188	Butt Joint	0.000	0.156700	65

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
150.000	150.000	3	Round Side Arm
150.000	153.000	1	Raycap DC6-48-60-18-8F
150.000	153.000	3	Powerwave 7770
150.000	150.000	1	Round Platform w/ Handrails
150.000	153.000	6	KMW AWS Twin Dual 700
150.000	153.000	3	KMW AM-X-CD-16-65-00T-RET
150.000	150.000	1	GPS
150.000	153.000	6	Ericsson RRUS 11 (Band 12)
150.000	153.000	3	Diplexer / Coupler
150.000	154.700	2	Decibel DB408
150.000	159.000	1	4' Omni
140.000	140.000	3	Round T-Arm
140.000	140.000	3	Ericsson KRY 112 144/1
140.000	140.000	3	Ericsson AIR 21, 1.3M, B4A B2P
140.000	140.000	3	Ericsson AIR 21, 1.3M, B2A B4P
130.000	130.000	3	NextNet BTS-2500
130.000	130.000	2	DragonWave Horizon Compact
130.000	130.000	1	DragonWave A-ANT-23G-1-C
130.000	130.000	1	DragonWave A-ANT-18G-2.5-C
130.000	130.000	1	Clearwire Mount
130.000	130.000	3	Argus LLPX310R
130.000	130.000	1	12" x 12" Junction Box
113.000	113.000	2	RFS APL868013-42T0
113.000	113.000	4	RFS APL868013-42T0
113.000	113.000	3	Commscope SBNHH-1D65B
113.000	113.000	2	Antel BXA-171063-8CF-EDIN-X
113.000	113.000	1	RFS DB-T1-6Z-8AB-0Z
113.000	113.000	1	Antel BXA-171085-8CF-EDIN-X
113.000	113.000	3	Alcatel-Lucent RRH2x60-AWS
113.000	113.000	3	Round T-Arm
113.000	113.000	6	RFS FD9R6004/2C-3L
103.000	103.000	1	Standoff
103.000	103.000	2	Decibel DB408
93.000	93.000	1	Standoff
93.000	93.000	1	Decibel DB408
69.000	70.000	1	Channel Master Type 120

Linear Appurtenance			
Elev (ft) From	Elev (ft) To	Description	Exposed To Wind
123.0	140.0	1 5/8" Coax	Yes
0.000	150.0	0.39" Cable	No

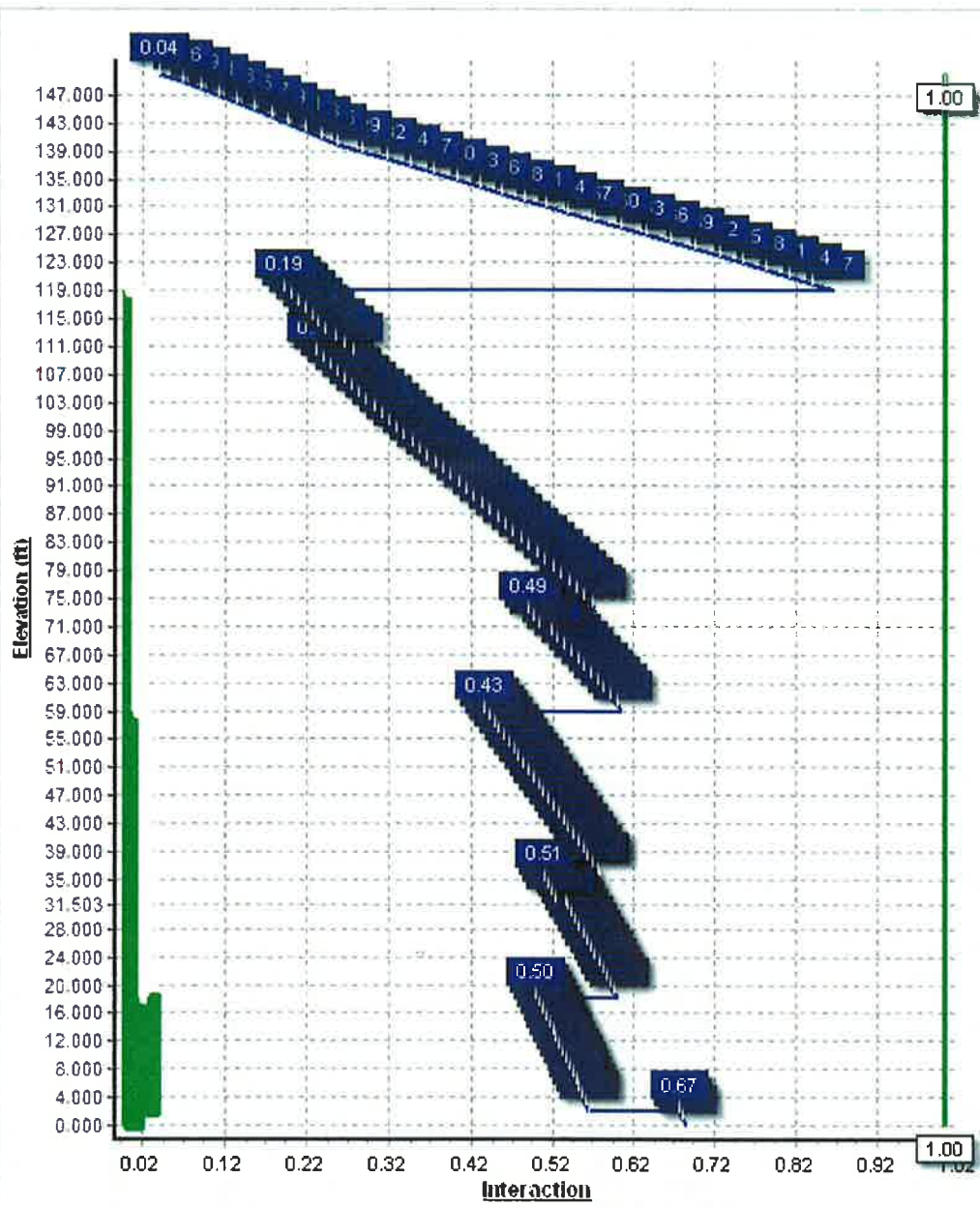


0.000	150.0	0.78" 8 AWG 6	No
0.000	150.0	1 5/8" Coax	No
0.000	150.0	1 5/8" Coax	No
0.000	150.0	1/2" Coax	No
0.000	150.0	3" Conduit	No
0.000	150.0	7/8" Coax	No
0.000	69.000	0.28" RG6	Yes
0.000	93.000	7/8" Coax	No
0.000	103.0	7/8" Coax	No
0.000	113.0	1 1/4" Coax	No
0.000	113.0	1 5/8" Hybriflex	No
0.000	123.0	#18 Dywidag bars	Yes
0.000	123.0	1 5/8" Coax	Yes
0.000	130.0	1/2" Coax	Yes
0.000	130.0	2" Conduit	Yes
0.000	130.0	5/16" Coax	Yes
0.000	140.0	1 1/4" Hybriflex	Yes
0.000	140.0	1 5/8" Coax	Yes

Load Cases	
1.2D + 1.6W	110.00 mph with No Ice
0.9D + 1.6W	110.00 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	3413.32	35.60	42.96
0.9D + 1.6W	3378.99	35.59	34.88
1.2D + 1.0Di + 1.0Wi	682.16	6.68	71.80
1.0D + 1.0W	653.44	6.93	37.60

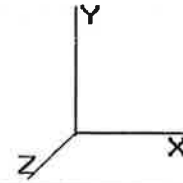
Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	69.00	4.943	0.704
1.0D + 1.0W	130.00	17.955	1.378
1.0D + 1.0W	130.00	17.955	1.378



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page : 1



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Shaft Section Properties**

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom						Top							
							Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)	
1-12	35.670	0.3750	65		0.00	5,014	37.38	0.00	44.68	7810.1	24.57	99.68	31.79	35.67	37.93	4778.7	20.57	84.77	0.156700	
2-12	42.000	0.3130	65	Slip	50.00	4,244	33.06	31.50	33.01	4521.4	26.17	105.65	26.48	73.50	26.38	2307.0	20.53	84.63	0.156700	
3-12	40.000	0.2500	65	Slip	42.00	2,646	27.53	70.00	21.97	2087.5	27.37	110.15	21.26	110.00	16.92	954.1	20.65	85.07	0.156700	
4-12	39.997	0.1880	65	Butt	0.00	1,479	21.26	110.00	12.76	723.8	28.17	113.13	15.00	150.00	8.97	251.1	19.24	79.79	0.156700	
Shaft Weight						13,383														

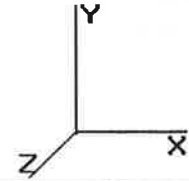
**Discrete Appurtenance Properties**

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		
150.00	4' Omni	1	10.00	1.000	1.00	16.98	1.698	1.00	0.000	9.000
150.00	Decibel DB408	2	17.00	2.900	1.00	28.87	4.924	1.00	0.000	4.700
150.00	Diplexer / Coupler	3	5.00	0.700	0.50	8.49	1.189	0.50	0.000	3.000
150.00	Ericsson RRUS 11 (Band 12)	6	55.00	2.520	0.67	135.41	3.165	0.67	0.000	3.000
150.00	GPS	1	10.00	1.000	1.00	16.98	1.698	1.00	0.000	0.000
150.00	KMW AM-X-CD-16-65-00T-	3	48.50	8.020	0.67	237.32	9.315	0.67	0.000	3.000
150.00	KMW AWS Twin Dual 700	6	17.40	0.990	0.50	50.87	0.709	0.50	0.000	3.000
150.00	Powerwave 7770	3	35.00	5.510	0.65	170.09	6.560	0.65	0.000	3.000
150.00	Raycap DC6-48-60-18-8F	1	31.80	1.280	1.00	124.75	2.853	1.00	0.000	3.000
150.00	Round Platform w/ Handrails	1	2000.00	27.200	1.00	3,298.44	51.694	1.00	0.000	0.000
150.00	Round Side Arm	3	150.00	5.200	0.67	223.30	7.923	0.67	0.000	0.000
140.00	Ericsson AIR 21, 1.3M, B2A	3	83.00	6.050	0.86	250.65	7.140	0.86	0.000	0.000
140.00	Ericsson AIR 21, 1.3M, B4A	3	81.50	6.090	0.85	249.11	7.185	0.85	0.000	0.000
140.00	Ericsson KRY 112 144/1	3	11.00	0.410	0.50	27.22	0.632	0.50	0.000	0.000
140.00	Round T-Arm	3	250.00	9.700	0.67	457.99	17.904	0.67	0.000	0.000
130.00	12" x 12" Junction Box	1	10.00	1.200	1.00	61.06	1.659	1.00	0.000	0.000
130.00	Argus LLPX310R	3	28.60	4.290	0.73	134.55	5.176	0.73	0.000	0.000
130.00	Clearwire Mount	1	560.00	8.500	1.00	1,022.45	15.519	1.00	0.000	0.000
130.00	DragonWave A-ANT-18G-2.5-	1	47.60	8.430	1.00	217.77	10.112	1.00	0.000	0.000
130.00	DragonWave A-ANT-23G-1-C	1	15.00	1.610	1.00	49.90	2.358	1.00	0.000	0.000
130.00	DragonWave Horizon	2	10.60	0.430	0.50	40.26	0.656	0.50	0.000	0.000
130.00	NextNet BTS-2500	3	35.00	1.820	0.50	91.78	2.389	0.50	0.000	0.000
113.00	Alcatel-Lucent RRH2x60-AWS	3	44.00	1.880	0.67	105.40	2.344	0.67	0.000	0.000
113.00	Antel BXA-171063-8CF-EDIN-X	2	9.20	2.920	0.71	89.07	3.744	0.71	0.000	0.000
113.00	Antel BXA-171085-8CF-EDIN-X	1	10.50	2.940	0.71	99.31	4.120	0.71	0.000	0.000
113.00	Commscope SBNHH-1D65B	3	50.70	8.170	0.69	247.40	9.439	0.69	0.000	0.000
113.00	RFS APL868013-42T0	4	6.30	3.610	0.90	109.87	4.481	0.90	0.000	0.000
113.00	RFS APL868013-42T0	2	6.30	3.610	0.90	109.87	4.481	0.90	0.000	0.000
113.00	RFS DB-T1-6Z-8AB-0Z	1	44.00	4.800	1.00	183.02	5.648	1.00	0.000	0.000
113.00	RFS FD9R6004/2C-3L	6	2.60	0.370	0.37	15.14	0.570	0.37	0.000	0.000
113.00	Round T-Arm	3	250.00	9.700	0.67	453.58	17.730	0.67	0.000	0.000
103.00	Decibel DB408	2	17.00	2.900	1.00	28.43	4.850	1.00	0.000	0.000
103.00	Standoff	1	200.00	2.500	1.00	334.47	4.181	1.00	0.000	0.000
93.00	Decibel DB408	1	17.00	2.900	1.00	28.31	4.830	1.00	0.000	0.000
93.00	Standoff	1	200.00	2.500	1.00	333.10	4.164	1.00	0.000	0.000
69.00	Channel Master Type 120	1	126.00	20.190	1.00	207.39	33.231	1.00	0.000	1.000
Totals		85	7094.20			16,205.50			Number of Loadings :	36

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page: 2



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Linear Appurtenance Properties**

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	150.00	(1) 0.39" Cable	0.00	N
0.00	150.00	(2) 0.78" 8 AWG 6	0.00	N
0.00	150.00	(1) 1 5/8" Coax	0.00	N
0.00	150.00	(6) 1 5/8" Coax	0.00	N
0.00	150.00	(1) 1/2" Coax	0.00	N
0.00	150.00	(1) 3" Conduit	0.00	N
0.00	150.00	(2) 7/8" Coax	0.00	N
0.00	140.00	(1) 1 1/4" Hybriflex	0.00	Y
0.00	140.00	(5) 1 5/8" Coax	1.98	Y
123.00	140.00	(7) 1 5/8" Coax	4.00	Y
0.00	130.00	(2) 1/2" Coax	0.00	Y
0.00	130.00	(2) 2" Conduit	0.00	Y
0.00	130.00	(6) 5/16" Coax	0.00	Y
0.00	123.00	(4) #18 Dywidag bars	7.00	Y
0.00	123.00	(12) 1 5/8" Coax	1.98	Y
0.00	113.00	(12) 1 1/4" Coax	0.00	N
0.00	113.00	(1) 1 5/8" Hybriflex	0.00	N
0.00	103.00	(2) 7/8" Coax	0.00	N
0.00	93.00	(1) 7/8" Coax	0.00	N
0.00	69.00	(1) 0.28" RG6	0.00	Y

**Additional Steel**

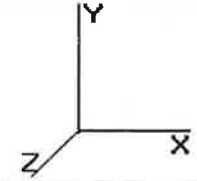
Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —		Connectors	Continuation?	
						Description	Spacing (in)			Len (in)
0.00	119.0	4	SOL #18 All Thread	75	5.15	6" T Bracket	30.0	3.50	5/8" A36 U-Bolt	No
0.00	59.00	4	SOL #18 All Thread	75	2.19	6" Angle Bracket	30.0	3.50	5/8" A36 U-Bolt	No
2.00	18.00	2	PL PL 4" x 1"	50	0.00	5/8" Hollo Bolt	12.0	3.00	5/8" Hollo Bolt	No
2.00	18.00	2	PL PL 5" x 1"	50	0.00	5/8" Hollo Bolt	12.0	3.00	5/8" Hollo Bolt	No



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page : 3



© 2007 - 2015 by ATC IP LLC. All rights reserved.

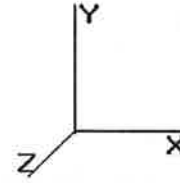
**Segment Properties** (Max Len : 1 ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	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	24.57	99.68	77.9	403.6	0.0	32.00	8,940	0.0
1.00		0.3750	37.223	44.494	7,711.3	24.45	99.26	78.0	400.2	151.7	32.00	8,881	108.8
2.00	Reinf Bottom Reinf	0.3750	37.067	44.305	7,613.3	24.34	98.84	78.2	396.8	151.1	32.00	8,822	108.8
3.00		0.3750	36.910	44.116	7,516.2	24.23	98.43	78.3	393.4	150.4	50.00	12.01	170.0
4.00		0.3750	36.753	43.927	7,419.9	24.12	98.01	78.4	390.0	149.8	50.00	11,92	170.0
5.00		0.3750	36.597	43.737	7,324.4	24.01	97.59	78.5	386.6	149.2	50.00	11,84	170.0
6.00		0.3750	36.440	43.548	7,229.8	23.89	97.17	78.7	383.3	148.5	50.00	11,75	170.0
7.00		0.3750	36.283	43.359	7,135.9	23.78	96.75	78.8	379.9	147.9	50.00	11,67	170.0
8.00		0.3750	36.126	43.170	7,042.9	23.67	96.34	78.9	376.6	147.2	50.00	11,59	170.0
9.00		0.3750	35.970	42.981	6,950.7	23.56	95.92	79.0	373.3	146.6	50.00	11,50	170.0
10.00		0.3750	35.813	42.791	6,859.3	23.45	95.50	79.1	370.0	145.9	50.00	11,42	170.0
11.00		0.3750	35.656	42.602	6,768.7	23.33	95.08	79.3	366.7	145.3	50.00	11,34	170.0
12.00		0.3750	35.500	42.413	6,678.9	23.22	94.67	79.4	363.5	144.6	50.00	11,25	170.0
13.00		0.3750	35.343	42.224	6,589.9	23.11	94.25	79.5	360.2	144.0	50.00	11,17	170.0
14.00		0.3750	35.186	42.035	6,501.7	23.00	93.83	79.6	357.0	143.4	50.00	11,09	170.0
15.00		0.3750	35.030	41.845	6,414.3	22.89	93.41	79.8	353.7	142.7	50.00	11,01	170.0
16.00		0.3750	34.873	41.656	6,327.7	22.77	92.99	79.9	350.5	142.1	50.00	10,93	170.0
17.00		0.3750	34.716	41.467	6,241.9	22.66	92.58	80.0	347.3	141.4	50.00	10,85	170.0
18.00	Reinf. Top Reinf.	0.3750	34.559	41.278	6,156.8	22.55	92.16	80.1	344.2	140.8	50.00	10,76	170.0
19.00		0.3750	34.403	41.088	6,072.5	22.44	91.74	80.2	341.0	140.1	32.00	7,852	108.8
20.00		0.3750	34.246	40.899	5,989.0	22.33	91.32	80.4	337.8	139.5	32.00	7,797	108.8
21.00		0.3750	34.089	40.710	5,906.3	22.21	90.90	80.5	334.7	138.8	32.00	7,742	108.8
22.00		0.3750	33.933	40.521	5,824.3	22.10	90.49	80.6	331.6	138.2	32.00	7,687	108.8
23.00		0.3750	33.776	40.332	5,743.1	21.99	90.07	80.7	328.5	137.6	32.00	7,632	108.8
24.00		0.3750	33.619	40.142	5,662.7	21.88	89.65	80.9	325.4	136.9	32.00	7,578	108.8
25.00		0.3750	33.463	39.953	5,583.0	21.77	89.23	81.0	322.3	136.3	32.00	7,524	108.8
26.00		0.3750	33.306	39.764	5,504.0	21.65	88.82	81.1	319.3	135.6	32.00	7,469	108.8
27.00		0.3750	33.149	39.575	5,425.8	21.54	88.40	81.2	316.2	135.0	32.00	7,416	108.8
28.00		0.3750	32.992	39.386	5,348.4	21.43	87.98	81.3	313.2	134.3	32.00	7,362	108.8
29.00		0.3750	32.836	39.196	5,271.7	21.32	87.56	81.5	310.2	133.7	32.00	7,308	108.8
30.00		0.3750	32.679	39.007	5,195.7	21.21	87.14	81.6	307.1	133.1	32.00	7,255	108.8
31.00		0.3750	32.522	38.818	5,120.4	21.09	86.73	81.7	304.2	132.4	32.00	7,202	108.8
31.50	Bot - Section 2	0.3750	32.443	38.723	5,082.8	21.04	86.52	81.8	302.7	66.4	32.00	7,175	54.8
32.00		0.3750	32.366	38.629	5,045.9	20.98	86.31	81.8	301.2	121.1	32.00	7,362	54.0
33.00		0.3750	32.209	38.439	4,972.1	20.87	85.89	81.9	298.2	242.9	32.00	7,308	108.8
34.00		0.3750	32.052	38.250	4,899.1	20.76	85.47	81.9	295.3	241.7	32.00	7,255	108.8
35.00		0.3750	31.896	38.061	4,826.7	20.65	85.05	81.9	292.3	240.6	32.00	7,202	108.8
35.67	Top - Section 1	0.3130	32.417	32.356	4,256.4	25.61	103.57	76.8	253.7	160.5	32.00	7,166	72.9
36.00		0.3130	32.365	32.304	4,235.9	25.56	103.40	76.8	252.8	36.3	32.00	7,149	35.9
37.00		0.3130	32.208	32.146	4,174.1	25.43	102.90	77.0	250.4	109.7	32.00	7,096	108.8
38.00		0.3130	32.051	31.988	4,112.8	25.29	102.40	77.1	247.9	109.1	32.00	7,043	108.8
39.00		0.3130	31.895	31.830	4,052.2	25.16	101.90	77.3	245.4	108.6	32.00	6,991	108.8
40.00		0.3130	31.738	31.672	3,992.2	25.03	101.40	77.4	243.0	108.0	32.00	6,939	108.8
41.00		0.3130	31.581	31.514	3,932.8	24.89	100.90	77.6	240.6	107.5	32.00	6,887	108.8
42.00		0.3130	31.425	31.356	3,873.9	24.76	100.40	77.7	238.2	107.0	32.00	6,835	108.8
43.00		0.3130	31.268	31.198	3,815.7	24.62	99.90	77.9	235.7	106.4	32.00	6,784	108.8
44.00		0.3130	31.111	31.040	3,758.0	24.49	99.40	78.0	233.4	105.9	32.00	6,732	108.8
45.00		0.3130	30.955	30.882	3,701.0	24.36	98.90	78.2	231.0	105.4	32.00	6,681	108.8
46.00		0.3130	30.798	30.724	3,644.5	24.22	98.40	78.3	228.6	104.8	32.00	6,630	108.8
47.00		0.3130	30.641	30.566	3,588.6	24.09	97.89	78.4	226.3	104.3	32.00	6,579	108.8
48.00		0.3130	30.484	30.409	3,533.2	23.95	97.39	78.6	223.9	103.7	32.00	6,529	108.8
49.00		0.3130	30.328	30.251	3,478.5	23.82	96.89	78.7	221.6	103.2	32.00	6,478	108.8
50.00		0.3130	30.171	30.093	3,424.3	23.68	96.39	78.9	219.3	102.7	32.00	6,428	108.8
51.00		0.3130	30.014	29.935	3,370.6	23.55	95.89	79.0	216.9	102.1	32.00	6,378	108.8
52.00		0.3130	29.858	29.777	3,317.6	23.42	95.39	79.2	214.7	101.6	32.00	6,329	108.8
53.00		0.3130	29.701	29.619	3,265.1	23.28	94.89	79.3	212.4	101.1	32.00	6,279	108.8
54.00		0.3130	29.544	29.461	3,213.1	23.15	94.39	79.5	210.1	100.5	32.00	6,230	108.8
55.00		0.3130	29.388	29.303	3,161.7	23.01	93.89	79.6	207.8	100.0	32.00	6,180	108.8

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page : 4



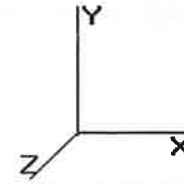
© 2007 - 2015 by ATC IP LLC. All rights reserved.

56.00		0.3130	29.231	29.145	3,110.9	22.88	93.39	79.8	205.6	99.4	32.00	6,131	108.8
57.00		0.3130	29.074	28.987	3,060.6	22.75	92.89	79.9	203.4	98.9	32.00	6,083	108.8
58.00		0.3130	28.917	28.829	3,010.8	22.61	92.39	80.1	201.1	98.4	32.00	6,034	108.8
59.00	Reinf. Top	0.3130	28.761	28.671	2,961.6	22.48	91.89	80.2	198.9	97.8	32.00	5,986	108.8
60.00		0.3130	28.604	28.513	2,912.9	22.34	91.39	80.3	196.7	97.3	16.00	3,423	54.4
61.00		0.3130	28.447	28.355	2,864.8	22.21	90.89	80.5	194.5	96.8	16.00	3,397	54.4
62.00		0.3130	28.291	28.198	2,817.2	22.08	90.39	80.6	192.4	96.2	16.00	3,371	54.4
63.00		0.3130	28.134	28.040	2,770.1	21.94	89.88	80.8	190.2	95.7	16.00	3,346	54.4
64.00		0.3130	27.977	27.882	2,723.6	21.81	89.38	80.9	188.1	95.1	16.00	3,320	54.4
65.00		0.3130	27.820	27.724	2,677.6	21.67	88.88	81.1	185.9	94.6	16.00	3,295	54.4
66.00		0.3130	27.664	27.566	2,632.1	21.54	88.38	81.2	183.8	94.1	16.00	3,269	54.4
67.00		0.3130	27.507	27.408	2,587.1	21.40	87.88	81.4	181.7	93.5	16.00	3,244	54.4
68.00		0.3130	27.350	27.250	2,542.6	21.27	87.38	81.5	179.6	93.0	16.00	3,219	54.4
69.00		0.3130	27.194	27.092	2,498.7	21.14	86.88	81.7	177.5	92.5	16.00	3,194	54.4
70.00		0.3130	27.037	26.934	2,455.2	21.00	86.38	81.8	175.4	91.9	16.00	3,169	54.4
70.00	Bot - Section 3	0.3130	27.036	26.934	2,455.1	21.00	86.38	81.8	175.4	0.3	16.00	3,169	0.2
71.00		0.3130	26.880	26.776	2,412.3	20.87	85.88	81.9	173.4	165.4	16.00	3,223	54.2
72.00		0.3130	26.724	26.618	2,369.9	20.73	85.38	81.9	171.3	164.9	16.00	3,198	54.4
73.00		0.3130	26.567	26.460	2,327.9	20.60	84.88	81.9	169.3	164.0	16.00	3,173	54.4
73.50	Top - Section 2	0.2500	26.988	21.524	1,964.1	26.78	107.95	75.5	140.6	82.2	16.00	3,161	27.4
74.00		0.2500	26.910	21.461	1,947.0	26.70	107.64	75.6	139.8	36.3	16.00	3,149	27.0
75.00		0.2500	26.753	21.335	1,912.9	26.53	107.01	75.8	138.1	72.8	16.00	3,124	54.4
76.00		0.2500	26.597	21.209	1,879.2	26.36	106.39	76.0	136.5	72.4	16.00	3,099	54.4
77.00		0.2500	26.440	21.083	1,845.8	26.19	105.76	76.1	134.9	72.0	16.00	3,074	54.4
78.00		0.2500	26.283	20.957	1,812.9	26.03	105.13	76.3	133.2	71.5	16.00	3,050	54.4
79.00		0.2500	26.127	20.831	1,780.4	25.86	104.51	76.5	131.6	71.1	16.00	3,025	54.4
80.00		0.2500	25.970	20.705	1,748.2	25.69	103.88	76.7	130.0	70.7	16.00	3,001	54.4
81.00		0.2500	25.813	20.578	1,716.5	25.52	103.25	76.9	128.5	70.2	16.00	2,977	54.4
82.00		0.2500	25.657	20.452	1,685.1	25.36	102.63	77.1	126.9	69.8	16.00	2,953	54.4
83.00		0.2500	25.500	20.326	1,654.1	25.19	102.00	77.2	125.3	69.4	16.00	2,929	54.4
84.00		0.2500	25.343	20.200	1,623.5	25.02	101.37	77.4	123.8	69.0	16.00	2,905	54.4
85.00		0.2500	25.187	20.074	1,593.3	24.85	100.75	77.6	122.2	68.5	16.00	2,881	54.4
86.00		0.2500	25.030	19.948	1,563.4	24.68	100.12	77.8	120.7	68.1	16.00	2,857	54.4
87.00		0.2500	24.873	19.822	1,533.9	24.52	99.49	78.0	119.1	67.7	16.00	2,834	54.4
88.00		0.2500	24.716	19.695	1,504.8	24.35	98.87	78.2	117.6	67.2	16.00	2,810	54.4
89.00		0.2500	24.560	19.569	1,476.1	24.18	98.24	78.3	116.1	66.8	16.00	2,787	54.4
90.00		0.2500	24.403	19.443	1,447.8	24.01	97.61	78.5	114.6	66.4	16.00	2,763	54.4
91.00		0.2500	24.246	19.317	1,419.8	23.84	96.99	78.7	113.1	65.9	16.00	2,740	54.4
92.00		0.2500	24.090	19.191	1,392.1	23.68	96.36	78.9	111.6	65.5	16.00	2,717	54.4
93.00		0.2500	23.933	19.065	1,364.9	23.51	95.73	79.1	110.2	65.1	16.00	2,694	54.4
94.00		0.2500	23.776	18.939	1,337.9	23.34	95.10	79.3	108.7	64.7	16.00	2,671	54.4
95.00		0.2500	23.620	18.812	1,311.4	23.17	94.48	79.4	107.3	64.2	16.00	2,648	54.4
96.00		0.2500	23.463	18.686	1,285.2	23.00	93.85	79.6	105.8	63.8	16.00	2,626	54.4
97.00		0.2500	23.306	18.560	1,259.3	22.84	93.22	79.8	104.4	63.4	16.00	2,603	54.4
98.00		0.2500	23.149	18.434	1,233.8	22.67	92.60	80.0	103.0	62.9	16.00	2,580	54.4
99.00		0.2500	22.993	18.308	1,208.7	22.50	91.97	80.2	101.6	62.5	16.00	2,558	54.4
100.00		0.2500	22.836	18.182	1,183.9	22.33	91.34	80.4	100.2	62.1	16.00	2,536	54.4
101.00		0.2500	22.679	18.056	1,159.4	22.16	90.72	80.5	98.8	61.7	16.00	2,513	54.4
102.00		0.2500	22.523	17.929	1,135.3	22.00	90.09	80.7	97.4	61.2	16.00	2,491	54.4
103.00		0.2500	22.366	17.803	1,111.5	21.83	89.46	80.9	96.0	60.8	16.00	2,469	54.4
104.00		0.2500	22.209	17.677	1,088.0	21.66	88.84	81.1	94.6	60.4	16.00	2,447	54.4
105.00		0.2500	22.052	17.551	1,064.9	21.49	88.21	81.3	93.3	59.9	16.00	2,425	54.4
106.00		0.2500	21.896	17.425	1,042.1	21.32	87.58	81.5	91.9	59.5	16.00	2,404	54.4
107.00		0.2500	21.739	17.299	1,019.6	21.16	86.96	81.6	90.6	59.1	16.00	2,382	54.4
108.00		0.2500	21.582	17.173	997.5	20.99	86.33	81.8	89.3	58.6	16.00	2,360	54.4
109.00		0.2500	21.426	17.046	975.7	20.82	85.70	81.9	88.0	58.2	16.00	2,339	54.4
110.00		0.2500	21.269	16.920	954.2	20.65	85.08	81.9	86.7	57.8	16.00	2,318	54.4
110.00	Top - Section 3	0.2500	21.268	16.920	954.1	20.65	85.07	81.9	86.7	0.2	16.00	2,317	0.2
110.00	Bot - Section 4	0.1880	21.268	12.761	723.8	28.17	113.13	74.0	65.7		16.00	2,317	
111.00		0.1880	21.112	12.667	707.9	27.95	112.30	74.2	64.8	43.1	16.00	2,296	54.2
112.00		0.1880	20.956	12.572	692.1	27.72	111.47	74.5	63.8	42.9	16.00	2,275	54.4
113.00		0.1880	20.799	12.477	676.5	27.50	110.63	74.7	62.8	42.6	16.00	2,254	54.4
114.00		0.1880	20.642	12.382	661.2	27.28	109.80	75.0	61.9	42.3	16.00	2,233	54.4
115.00		0.1880	20.486	12.287	646.1	27.05	108.97	75.2	60.9	42.0	16.00	2,212	54.4

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page: 5



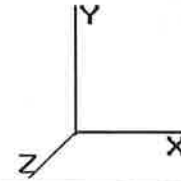
© 2007 - 2015 by ATC IP LLC. All rights reserved.

116.0	0.1880	20.329	12.192	631.3	26.83	108.13	75.5	60.0	41.6	16.00	2,191	54.4	
117.0	0.1880	20.172	12.098	616.7	26.61	107.30	75.7	59.1	41.3	16.00	2,171	54.4	
118.0	0.1880	20.015	12.003	602.3	26.38	106.46	75.9	58.1	41.0	16.00	2,150	54.4	
119.0	Reinf. Top	0.1880	19.859	11.908	588.1	26.16	105.63	76.2	57.2	40.7	16.00	2,130	54.4
120.0		0.1880	19.702	11.813	574.2	25.94	104.80	76.4	56.3	40.4			
121.0		0.1880	19.545	11.718	560.4	25.71	103.96	76.7	55.4	40.0			
122.0		0.1880	19.389	11.623	546.9	25.49	103.13	76.9	54.5	39.7			
123.0		0.1880	19.232	11.528	533.7	25.27	102.30	77.2	53.6	39.4			
124.0		0.1880	19.075	11.434	520.6	25.04	101.46	77.4	52.7	39.1			
125.0		0.1880	18.919	11.339	507.7	24.82	100.63	77.6	51.8	38.7			
126.0		0.1880	18.762	11.244	495.1	24.60	99.80	77.9	51.0	38.4			
127.0		0.1880	18.605	11.149	482.7	24.37	98.96	78.1	50.1	38.1			
128.0		0.1880	18.448	11.054	470.5	24.15	98.13	78.4	49.3	37.8			
129.0		0.1880	18.292	10.959	458.5	23.93	97.30	78.6	48.4	37.5			
130.0		0.1880	18.135	10.864	446.7	23.70	96.46	78.9	47.6	37.1			
131.0		0.1880	17.978	10.770	435.1	23.48	95.63	79.1	46.7	36.8			
132.0		0.1880	17.822	10.675	423.7	23.26	94.80	79.3	45.9	36.5			
133.0		0.1880	17.665	10.580	412.5	23.03	93.96	79.6	45.1	36.2			
134.0		0.1880	17.508	10.485	401.5	22.81	93.13	79.8	44.3	35.8			
135.0		0.1880	17.352	10.390	390.7	22.59	92.30	80.1	43.5	35.5			
136.0		0.1880	17.195	10.295	380.1	22.36	91.46	80.3	42.7	35.2			
137.0		0.1880	17.038	10.200	369.7	22.14	90.63	80.6	41.9	34.9			
138.0		0.1880	16.881	10.106	359.4	21.92	89.79	80.8	41.1	34.5			
139.0		0.1880	16.725	10.011	349.4	21.69	88.96	81.1	40.4	34.2			
140.0		0.1880	16.568	9.916	339.6	21.47	88.13	81.3	39.6	33.9			
141.0		0.1880	16.411	9.821	329.9	21.25	87.29	81.5	38.8	33.6			
142.0		0.1880	16.255	9.726	320.5	21.02	86.46	81.8	38.1	33.3			
143.0		0.1880	16.098	9.631	311.2	20.80	85.63	81.9	37.3	32.9			
144.0		0.1880	15.941	9.536	302.1	20.58	84.79	81.9	36.6	32.6			
145.0		0.1880	15.785	9.441	293.1	20.35	83.96	81.9	35.9	32.3			
146.0		0.1880	15.628	9.347	284.4	20.13	83.13	81.9	35.2	32.0			
147.0		0.1880	15.471	9.252	275.8	19.91	82.29	81.9	34.4	31.6			
148.0		0.1880	15.314	9.157	267.4	19.68	81.46	81.9	33.7	31.3			
149.0		0.1880	15.158	9.062	259.2	19.46	80.63	81.9	33.0	31.0			
150.0		0.1880	15.001	8.967	251.1	19.24	79.79	81.9	32.3	30.7			
									13,383.2				10,663.

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page: 6



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

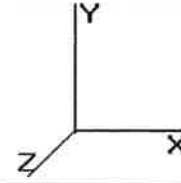
**Shaft Segment Forces (Factored)**

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	20.599	22.65	296.79	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	20.599	22.65	295.55	1.200	* 0.000	1.00	3.218	3.86	140.0	0.0	290.9
2.00	Reinf Bottom Reinf	1.00	0.70	20.599	22.65	294.30	1.200	* 0.000	1.00	3.205	3.85	139.4	0.0	290.1
3.00		1.00	0.70	20.599	22.65	293.06	1.200	* 0.000	1.00	3.191	3.83	138.8	0.0	350.6
4.00		1.00	0.70	20.599	22.65	291.81	1.200	* 0.000	1.00	3.178	3.81	138.2	0.0	349.8
5.00		1.00	0.70	20.599	22.65	290.57	1.200	* 0.000	1.00	3.164	3.80	137.7	0.0	349.0
6.00		1.00	0.70	20.599	22.65	289.32	1.200	* 0.000	1.00	3.151	3.78	137.1	0.0	348.3
7.00		1.00	0.70	20.599	22.65	288.08	1.200	* 0.000	1.00	3.137	3.76	136.5	0.0	347.5
8.00		1.00	0.70	20.599	22.65	286.84	1.200	* 0.000	1.00	3.123	3.75	135.9	0.0	346.7
9.00		1.00	0.70	20.599	22.65	285.59	1.200	* 0.000	1.00	3.110	3.73	135.3	0.0	345.9
10.00		1.00	0.70	20.599	22.65	284.35	1.200	* 0.000	1.00	3.096	3.72	134.7	0.0	345.2
11.00		1.00	0.70	20.599	22.65	283.10	1.200	* 0.000	1.00	3.083	3.70	134.1	0.0	344.4
12.00		1.00	0.70	20.599	22.65	281.86	1.200	* 0.000	1.00	3.069	3.68	133.5	0.0	343.6
13.00		1.00	0.70	20.599	22.65	280.62	1.200	* 0.000	1.00	3.056	3.67	132.9	0.0	342.8
14.00		1.00	0.70	20.599	22.65	279.37	1.200	* 0.000	1.00	3.042	3.65	132.4	0.0	342.1
15.00		1.00	0.70	20.599	22.65	278.13	1.200	* 0.000	1.00	3.029	3.63	131.8	0.0	341.3
16.00		1.00	0.70	20.599	22.65	276.88	1.200	* 0.000	1.00	3.015	3.62	131.2	0.0	340.5
17.00		1.00	0.70	20.599	22.65	275.64	1.200	* 0.000	1.00	3.002	3.60	130.6	0.0	339.8
18.00	Reinf. Top Reinf. Top	1.00	0.70	20.599	22.65	274.39	1.200	* 0.000	1.00	2.988	3.59	130.0	0.0	339.0
19.00		1.00	0.70	20.599	22.65	273.15	1.200	* 0.000	1.00	2.975	3.57	129.4	0.0	277.0
20.00		1.00	0.70	20.599	22.65	271.91	1.200	* 0.000	1.00	2.961	3.55	128.8	0.0	276.2
21.00		1.00	0.70	20.599	22.65	270.66	1.200	* 0.000	1.00	2.948	3.54	128.2	0.0	275.4
22.00		1.00	0.70	20.599	22.65	269.42	1.200	* 0.000	1.00	2.934	3.52	127.7	0.0	274.6
23.00		1.00	0.70	20.599	22.65	268.17	1.200	* 0.000	1.00	2.921	3.50	127.1	0.0	273.9
24.00		1.00	0.70	20.599	22.65	266.93	1.200	* 0.000	1.00	2.907	3.49	126.5	0.0	273.1
25.00		1.00	0.70	20.599	22.65	265.69	1.200	* 0.000	1.00	2.894	3.47	125.9	0.0	272.3
26.00		1.00	0.70	20.599	22.65	264.44	1.200	* 0.000	1.00	2.880	3.46	125.3	0.0	271.6
27.00		1.00	0.70	20.599	22.65	263.20	1.200	* 0.000	1.00	2.867	3.44	124.7	0.0	270.8
28.00		1.00	0.70	20.599	22.65	261.95	1.200	* 0.000	1.00	2.853	3.42	124.1	0.0	270.0
29.00		1.00	0.70	20.599	22.65	260.71	1.200	* 0.000	1.00	2.840	3.41	123.5	0.0	269.2
30.00		1.00	0.70	20.616	22.67	259.57	1.200	* 0.000	1.00	2.826	3.39	123.1	0.0	268.5
31.00		1.00	0.70	20.810	22.89	259.54	1.200	* 0.000	1.00	2.813	3.38	123.6	0.0	267.7
31.50	Bot - Section 2	1.00	0.71	20.906	22.99	259.51	1.200	* 0.000	0.50	1.411	1.69	62.3	0.0	134.4
32.00		1.00	0.71	21.000	23.10	259.47	1.200	* 0.000	0.50	1.415	1.70	62.8	0.0	199.3
33.00		1.00	0.72	21.186	23.30	259.35	1.200	* 0.000	1.00	2.840	3.41	127.1	0.0	400.3
34.00		1.00	0.72	21.367	23.50	259.19	1.200	* 0.000	1.00	2.826	3.39	127.5	0.0	398.9
35.00		1.00	0.73	21.545	23.69	258.99	1.200	* 0.000	1.00	2.812	3.37	128.0	0.0	397.5
35.67	Top - Section 1	1.00	0.73	21.662	23.82	258.84	1.200	* 0.000	0.67	1.877	2.25	85.9	0.0	265.5
36.00		1.00	0.73	21.719	23.89	263.86	1.200	* 0.000	0.33	0.922	1.11	42.3	0.0	79.5
37.00		1.00	0.74	21.890	24.07	263.61	1.200	* 0.000	1.00	2.785	3.34	128.8	0.0	240.4
38.00		1.00	0.75	22.057	24.26	263.33	1.200	* 0.000	1.00	2.772	3.33	129.1	0.0	239.7
39.00		1.00	0.75	22.221	24.44	263.02	1.200	* 0.000	1.00	2.758	3.31	129.5	0.0	239.1
40.00		1.00	0.76	22.383	24.62	262.68	1.200	* 0.000	1.00	2.745	3.29	129.8	0.0	238.4
41.00		1.00	0.76	22.541	24.79	262.30	1.200	* 0.000	1.00	2.731	3.28	130.0	0.0	237.8
42.00		1.00	0.77	22.697	24.96	261.90	1.200	* 0.000	1.00	2.718	3.26	130.3	0.0	237.2
43.00		1.00	0.77	22.850	25.13	261.47	1.200	* 0.000	1.00	2.704	3.25	130.5	0.0	236.5
44.00		1.00	0.78	23.000	25.30	261.02	1.200	* 0.000	1.00	2.691	3.23	130.7	0.0	235.9
45.00		1.00	0.78	23.149	25.46	260.54	1.200	* 0.000	1.00	2.677	3.21	130.9	0.0	235.2
46.00		1.00	0.79	23.294	25.62	260.03	1.200	* 0.000	1.00	2.664	3.20	131.1	0.0	234.6
47.00		1.00	0.79	23.438	25.78	259.51	1.200	* 0.000	1.00	2.650	3.18	131.2	0.0	233.9
48.00		1.00	0.80	23.579	25.93	258.96	1.200	* 0.000	1.00	2.637	3.16	131.3	0.0	233.3

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page : 7



© 2007 - 2015 by ATC IP LLC. All rights reserved.

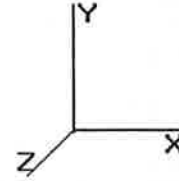
<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>33 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

49.00		1.00	0.80	23.719	26.09	258.39	1.200	* 0.000	1.00	2.623	3.15	131.4	0.0	232.6
50.00		1.00	0.81	23.856	26.24	257.80	1.200	* 0.000	1.00	2.610	3.13	131.5	0.0	232.0
51.00		1.00	0.81	23.991	26.39	257.18	1.200	* 0.000	1.00	2.596	3.12	131.5	0.0	231.4
52.00		1.00	0.82	24.125	26.53	256.55	1.200	* 0.000	1.00	2.583	3.10	131.6	0.0	230.7
53.00		1.00	0.82	24.257	26.68	255.90	1.200	* 0.000	1.00	2.569	3.08	131.6	0.0	230.1
54.00		1.00	0.82	24.386	26.82	255.23	1.200	* 0.000	1.00	2.556	3.07	131.6	0.0	229.4
55.00		1.00	0.83	24.515	26.96	254.54	1.200	* 0.000	1.00	2.542	3.05	131.6	0.0	228.8
56.00		1.00	0.83	24.641	27.10	253.84	1.200	* 0.000	1.00	2.529	3.03	131.6	0.0	228.1
57.00		1.00	0.84	24.766	27.24	253.12	1.200	* 0.000	1.00	2.515	3.02	131.6	0.0	227.5
58.00		1.00	0.84	24.889	27.37	252.38	1.200	* 0.000	1.00	2.502	3.00	131.5	0.0	226.8
59.00	Reinf. Top	1.00	0.85	25.011	27.51	251.62	1.200	* 0.000	1.00	2.488	2.99	131.4	0.0	226.2
60.00		1.00	0.85	25.132	27.64	250.86	1.200	* 0.000	1.00	2.475	2.97	131.3	0.0	171.2
61.00		1.00	0.85	25.251	27.77	250.07	1.200	* 0.000	1.00	2.461	2.95	131.2	0.0	170.5
62.00		1.00	0.86	25.368	27.90	249.27	1.200	* 0.000	1.00	2.447	2.94	131.1	0.0	169.9
63.00		1.00	0.86	25.485	28.03	248.46	1.200	* 0.000	1.00	2.434	2.92	131.0	0.0	169.2
64.00		1.00	0.87	25.599	28.15	247.63	1.200	* 0.000	1.00	2.420	2.90	130.9	0.0	168.6
65.00		1.00	0.87	25.713	28.28	246.79	1.200	* 0.000	1.00	2.407	2.89	130.7	0.0	167.9
66.00		1.00	0.87	25.825	28.40	245.94	1.200	* 0.000	1.00	2.393	2.87	130.5	0.0	167.3
67.00		1.00	0.88	25.937	28.53	245.07	1.200	* 0.000	1.00	2.380	2.86	130.4	0.0	166.6
68.00		1.00	0.88	26.047	28.65	244.19	1.200	* 0.000	1.00	2.366	2.84	130.2	0.0	166.0
69.00	Appertunance(s)	1.00	0.88	26.156	28.77	243.30	1.200	* 0.000	1.00	2.353	2.82	130.0	0.0	165.3
70.00		1.00	0.89	26.263	28.89	242.39	1.200	* 0.000	1.00	2.339	2.81	129.8	0.0	164.7
70.00	Bot - Section 3	1.00	0.89	26.264	28.89	242.39	1.200	* 0.000	0.00	0.008	0.01	0.4	0.0	0.5
71.00		1.00	0.89	26.370	29.00	241.48	1.200	* 0.000	1.00	2.361	2.83	131.5	0.0	252.6
72.00		1.00	0.90	26.476	29.12	240.55	1.200	* 0.000	1.00	2.355	2.83	131.7	0.0	252.3
73.00		1.00	0.90	26.580	29.23	239.61	1.200	* 0.000	1.00	2.342	2.81	131.5	0.0	251.2
73.50	Top - Section 2	1.00	0.90	26.632	29.29	239.13	1.200	* 0.000	0.50	1.174	1.41	66.0	0.0	126.0
74.00		1.00	0.90	26.684	29.35	243.18	1.200	* 0.000	0.50	1.155	1.39	65.1	0.0	70.6
75.00		1.00	0.91	26.786	29.46	242.23	1.200	* 0.000	1.00	2.315	2.78	131.0	0.0	141.8
76.00		1.00	0.91	26.888	29.57	241.26	1.200	* 0.000	1.00	2.301	2.76	130.7	0.0	141.3
77.00		1.00	0.91	26.988	29.68	240.29	1.200	* 0.000	1.00	2.288	2.75	130.4	0.0	140.7
78.00		1.00	0.92	27.088	29.79	239.31	1.200	* 0.000	1.00	2.274	2.73	130.1	0.0	140.2
79.00		1.00	0.92	27.187	29.90	238.31	1.200	* 0.000	1.00	2.261	2.71	129.8	0.0	139.7
80.00		1.00	0.92	27.285	30.01	237.31	1.200	* 0.000	1.00	2.247	2.70	129.5	0.0	139.2
81.00		1.00	0.93	27.382	30.12	236.30	1.200	* 0.000	1.00	2.234	2.68	129.2	0.0	138.7
82.00		1.00	0.93	27.478	30.22	235.27	1.200	* 0.000	1.00	2.220	2.66	128.8	0.0	138.2
83.00		1.00	0.93	27.573	30.33	234.24	1.200	* 0.000	1.00	2.207	2.65	128.5	0.0	137.7
84.00		1.00	0.94	27.668	30.43	233.20	1.200	* 0.000	1.00	2.193	2.63	128.2	0.0	137.1
85.00		1.00	0.94	27.761	30.53	232.15	1.200	* 0.000	1.00	2.180	2.62	127.8	0.0	136.6
86.00		1.00	0.94	27.854	30.64	231.09	1.200	* 0.000	1.00	2.166	2.60	127.4	0.0	136.1
87.00		1.00	0.95	27.946	30.74	230.03	1.200	* 0.000	1.00	2.153	2.58	127.1	0.0	135.6
88.00		1.00	0.95	28.038	30.84	228.95	1.200	* 0.000	1.00	2.139	2.57	126.7	0.0	135.1
89.00		1.00	0.95	28.129	30.94	227.87	1.200	* 0.000	1.00	2.126	2.55	126.3	0.0	134.6
90.00		1.00	0.95	28.219	31.04	226.77	1.200	* 0.000	1.00	2.112	2.53	125.9	0.0	134.1
91.00		1.00	0.96	28.308	31.13	225.67	1.200	* 0.000	1.00	2.099	2.52	125.5	0.0	133.5
92.00		1.00	0.96	28.396	31.23	224.57	1.200	* 0.000	1.00	2.085	2.50	125.0	0.0	133.0
93.00	Appertunance(s)	1.00	0.96	28.484	31.33	223.45	1.200	* 0.000	1.00	2.072	2.49	124.6	0.0	132.5
94.00		1.00	0.97	28.571	31.42	222.33	1.200	* 0.000	1.00	2.058	2.47	124.2	0.0	132.0
95.00		1.00	0.97	28.658	31.52	221.20	1.200	* 0.000	1.00	2.044	2.45	123.7	0.0	131.5
96.00		1.00	0.97	28.744	31.61	220.06	1.200	* 0.000	1.00	2.031	2.44	123.3	0.0	131.0
97.00		1.00	0.98	28.829	31.71	218.91	1.200	* 0.000	1.00	2.017	2.42	122.8	0.0	130.4
98.00		1.00	0.98	28.913	31.80	217.76	1.200	* 0.000	1.00	2.004	2.40	122.4	0.0	129.9
99.00		1.00	0.98	28.997	31.89	216.60	1.200	* 0.000	1.00	1.990	2.39	121.9	0.0	129.4
100.0		1.00	0.98	29.081	31.98	215.43	1.200	* 0.000	1.00	1.977	2.37	121.4	0.0	128.9
101.0		1.00	0.99	29.164	32.08	214.26	1.200	* 0.000	1.00	1.963	2.36	120.9	0.0	128.4
102.0		1.00	0.99	29.246	32.17	213.08	1.200	* 0.000	1.00	1.950	2.34	120.4	0.0	127.9
103.0	Appertunance(s)	1.00	0.99	29.328	32.26	211.89	1.200	* 0.000	1.00	1.936	2.32	119.9	0.0	127.4

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page: 8



© 2007 - 2015 by ATC IP LLC. All rights reserved.

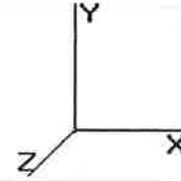
<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

104.0	1.00	0.99	29.409	32.34	210.69	1.200	* 0.000	1.00	1.923	2.31	119.4	0.0	126.8	
105.0	1.00	1.00	29.489	32.43	209.49	1.200	* 0.000	1.00	1.909	2.29	118.9	0.0	126.3	
106.0	1.00	1.00	29.569	32.52	208.29	1.200	* 0.000	1.00	1.896	2.27	118.4	0.0	125.8	
107.0	1.00	1.00	29.649	32.61	207.07	1.200	* 0.000	1.00	1.882	2.26	117.9	0.0	125.3	
108.0	1.00	1.01	29.727	32.70	205.86	1.200	* 0.000	1.00	1.869	2.24	117.3	0.0	124.8	
109.0	1.00	1.01	29.806	32.78	204.63	1.200	* 0.000	1.00	1.855	2.23	116.8	0.0	124.3	
110.0	1.00	1.01	29.884	32.87	203.40	1.200	* 0.000	1.00	1.842	2.21	116.2	0.0	123.7	
110.0	Top - Section 3	1.00	1.01	29.884	32.87	203.39	1.200	* 0.000	0.00	0.006	0.01	0.4	0.0	0.4
111.0		1.00	1.01	29.961	32.95	202.16	1.200	* 0.000	1.00	1.822	2.19	115.3	0.0	106.0
112.0		1.00	1.02	30.038	33.04	200.92	1.200	* 0.000	1.00	1.815	2.18	115.1	0.0	105.9
113.0	Appertunance(s)	1.00	1.02	30.114	33.12	199.67	1.200	* 0.000	1.00	1.801	2.16	114.6	0.0	105.5
114.0		1.00	1.02	30.190	33.20	198.41	1.200	* 0.000	1.00	1.788	2.15	114.0	0.0	105.2
115.0		1.00	1.02	30.266	33.29	197.15	1.200	* 0.000	1.00	1.774	2.13	113.4	0.0	104.8
116.0		1.00	1.03	30.341	33.37	195.89	1.200	* 0.000	1.00	1.761	2.11	112.8	0.0	104.4
117.0		1.00	1.03	30.415	33.45	194.62	1.200	* 0.000	1.00	1.747	2.10	112.2	0.0	104.0
118.0		1.00	1.03	30.489	33.53	193.34	1.200	* 0.000	1.00	1.734	2.08	111.6	0.0	103.6
119.0	Reinf. Top	1.00	1.03	30.563	33.61	192.06	1.200	* 0.000	1.00	1.720	2.06	111.0	0.0	103.2
120.0		1.00	1.04	30.636	33.69	190.77	1.200	* 0.000	1.00	1.707	2.05	110.4	0.0	48.4
121.0		1.00	1.04	30.709	33.77	189.48	1.200	* 0.000	1.00	1.693	2.03	109.8	0.0	48.0
122.0		1.00	1.04	30.781	33.85	188.18	1.200	* 0.000	1.00	1.679	2.02	109.2	0.0	47.7
123.0		1.00	1.04	30.853	33.93	186.88	1.200	* 0.000	1.00	1.666	2.00	108.6	0.0	47.3
124.0		1.00	1.05	30.924	34.01	185.57	1.200	* 0.000	1.00	1.652	1.98	107.9	0.0	46.9
125.0		1.00	1.05	30.995	34.09	184.25	1.200	* 0.000	1.00	1.639	1.97	107.3	0.0	46.5
126.0		1.00	1.05	31.066	34.17	182.94	1.200	* 0.000	1.00	1.625	1.95	106.6	0.0	46.1
127.0		1.00	1.05	31.136	34.25	181.61	1.200	* 0.000	1.00	1.612	1.93	106.0	0.0	45.7
128.0		1.00	1.06	31.206	34.32	180.29	1.200	* 0.000	1.00	1.598	1.92	105.3	0.0	45.3
129.0		1.00	1.06	31.276	34.40	178.95	1.200	* 0.000	1.00	1.585	1.90	104.7	0.0	44.9
130.0	Appertunance(s)	1.00	1.06	31.345	34.47	177.62	1.200	* 0.000	1.00	1.571	1.89	104.0	0.0	44.6
131.0		1.00	1.06	31.413	34.55	176.27	1.200	* 0.000	1.00	1.558	1.87	103.4	0.0	44.2
132.0		1.00	1.07	31.482	34.63	174.93	1.200	* 0.000	1.00	1.544	1.85	102.7	0.0	43.8
133.0		1.00	1.07	31.550	34.70	173.58	1.200	* 0.000	1.00	1.531	1.84	102.0	0.0	43.4
134.0		1.00	1.07	31.617	34.77	172.22	1.200	* 0.000	1.00	1.517	1.82	101.3	0.0	43.0
135.0		1.00	1.07	31.684	34.85	170.86	1.200	* 0.000	1.00	1.504	1.80	100.6	0.0	42.6
136.0		1.00	1.07	31.751	34.92	169.50	1.200	* 0.000	1.00	1.490	1.79	99.9	0.0	42.2
137.0		1.00	1.08	31.818	35.00	168.13	1.200	* 0.000	1.00	1.477	1.77	99.2	0.0	41.8
138.0		1.00	1.08	31.884	35.07	166.75	1.200	* 0.000	1.00	1.463	1.76	98.5	0.0	41.5
139.0		1.00	1.08	31.950	35.14	165.38	1.200	* 0.000	1.00	1.450	1.74	97.8	0.0	41.1
140.0	Appertunance(s)	1.00	1.08	32.015	35.21	163.99	1.200	* 0.000	1.00	1.436	1.72	97.1	0.0	40.7
141.0		1.00	1.09	32.081	35.28	162.61	1.000	0.000	1.00	1.423	1.42	80.3	0.0	40.3
142.0		1.00	1.09	32.145	35.36	161.22	1.000	0.000	1.00	1.409	1.41	79.7	0.0	39.9
143.0		1.00	1.09	32.210	35.43	159.83	1.000	0.000	1.00	1.396	1.40	79.1	0.0	39.5
144.0		1.00	1.09	32.274	35.50	158.43	1.000	0.000	1.00	1.382	1.38	78.5	0.0	39.1
145.0		1.00	1.09	32.338	35.57	157.02	1.000	0.000	1.00	1.369	1.37	77.9	0.0	38.7
146.0		1.00	1.10	32.402	35.64	155.62	1.000	0.000	1.00	1.355	1.36	77.3	0.0	38.4
147.0		1.00	1.10	32.465	35.71	154.21	1.000	0.000	1.00	1.341	1.34	76.7	0.0	38.0
148.0		1.00	1.10	32.528	35.78	152.79	1.000	0.000	1.00	1.328	1.33	76.0	0.0	37.6
149.0		1.00	1.10	32.590	35.84	151.38	1.000	0.000	1.00	1.314	1.31	75.4	0.0	37.2
150.0	Appertunance(s)	1.00	1.11	32.653	35.91	149.95	1.000	0.000	1.00	1.301	1.30	74.8	0.0	36.8
* = Cf Adjusted By Linear Load Ra Effect								Totals:	150.00		18,134.1	0.0	26,722.9	

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page: 9



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W      110.00 mph with No Ice      33 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

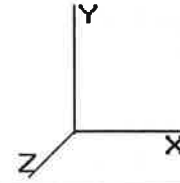
**Discrete Appurtenance Segment Forces (Factored)**

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)
69.00	Channel Master Type	1	26.263	28.890	1.00	1.00	20.19	0.000	1.000	933.25	0.00	933.25	151.20
93.00	Decibel DB408	1	28.484	31.333	1.00	1.00	2.90	0.000	0.000	145.38	0.00	0.00	20.40
93.00	Standoff	1	28.484	31.333	1.00	1.00	2.50	0.000	0.000	125.33	0.00	0.00	240.00
103.0	Decibel DB408	2	29.328	32.260	1.00	1.00	5.80	0.000	0.000	299.38	0.00	0.00	40.80
103.0	Standoff	1	29.328	32.260	1.00	1.00	2.50	0.000	0.000	129.04	0.00	0.00	240.00
113.0	Antel BXA-171063-8CF	2	30.114	33.126	0.71	0.80	3.32	0.000	0.000	175.81	0.00	0.00	22.08
113.0	Commscope SBNHH-	3	30.114	33.126	0.69	0.80	13.53	0.000	0.000	717.08	0.00	0.00	182.52
113.0	RFS APL868013-42T0	4	30.114	33.126	0.90	0.80	10.40	0.000	0.000	551.04	0.00	0.00	30.24
113.0	RFS APL868013-42T0	2	30.114	33.126	0.90	0.80	5.20	0.000	0.000	275.52	0.00	0.00	15.12
113.0	RFS FD9R6004/2C-3L	6	30.114	33.126	0.37	0.80	0.66	0.000	0.000	34.83	0.00	0.00	18.72
113.0	Round T-Arm	3	30.114	33.126	0.67	0.75	14.62	0.000	0.000	775.01	0.00	0.00	900.00
113.0	Alcatel-Lucent RRH2x	3	30.114	33.126	0.67	0.80	3.02	0.000	0.000	160.22	0.00	0.00	158.40
113.0	Antel BXA-171085-8CF	1	30.114	33.126	0.71	0.80	1.67	0.000	0.000	88.51	0.00	0.00	12.60
113.0	RFS DB-T1-6Z-8AB-0Z	1	30.114	33.126	1.00	0.80	3.84	0.000	0.000	203.52	0.00	0.00	52.80
130.0	12" x 12" Junction B	1	31.345	34.479	1.00	0.80	0.96	0.000	0.000	52.96	0.00	0.00	12.00
130.0	Argus LLPX310R	3	31.345	34.479	0.73	0.80	7.52	0.000	0.000	414.64	0.00	0.00	102.96
130.0	Clearwire Mount	1	31.345	34.479	1.00	1.00	8.50	0.000	0.000	468.92	0.00	0.00	672.00
130.0	DragonWave A-ANT-	1	31.345	34.479	1.00	0.80	6.74	0.000	0.000	372.04	0.00	0.00	57.12
130.0	DragonWave A-ANT-	1	31.345	34.479	1.00	0.80	1.29	0.000	0.000	71.05	0.00	0.00	18.00
130.0	DragonWave Horizon	2	31.345	34.479	0.50	0.80	0.34	0.000	0.000	18.98	0.00	0.00	25.44
130.0	NextNet BTS-2500	3	31.345	34.479	0.50	0.80	2.18	0.000	0.000	120.48	0.00	0.00	126.00
140.0	Ericsson AIR 21, 1.3	3	32.015	35.217	0.86	0.80	12.49	0.000	0.000	703.62	0.00	0.00	298.80
140.0	Ericsson AIR 21, 1.3	3	32.015	35.217	0.85	0.80	12.42	0.000	0.000	700.03	0.00	0.00	293.40
140.0	Ericsson KRY 112 144	3	32.015	35.217	0.50	0.80	0.49	0.000	0.000	27.72	0.00	0.00	39.60
140.0	Round T-Arm	3	32.015	35.217	0.67	0.75	14.62	0.000	0.000	823.94	0.00	0.00	900.00
150.0	4' Omni	1	33.201	36.521	1.00	0.75	0.75	0.000	9.000	43.83	0.00	394.43	12.00
150.0	Decibel DB408	2	32.942	36.236	1.00	0.75	4.35	0.000	4.700	252.20	0.00	1,185.35	40.80
150.0	Diplexer / Coupler	3	32.838	36.122	0.50	0.75	0.79	0.000	3.000	45.51	0.00	136.54	18.00
150.0	Ericsson RRUS 11 (Ba	6	32.838	36.122	0.67	0.75	7.60	0.000	3.000	439.11	0.00	1,317.34	396.00
150.0	GPS	1	32.653	35.918	1.00	0.75	0.75	0.000	0.000	43.10	0.00	0.00	12.00
150.0	KMW AM-X-CD-16-65-	3	32.838	36.122	0.67	0.75	12.09	0.000	3.000	698.75	0.00	2,096.25	174.60
150.0	KMW AWS Twin Dual	6	32.838	36.122	0.50	0.75	2.23	0.000	3.000	128.74	0.00	386.21	125.28
150.0	Round Platform w/ Ha	1	32.653	35.918	1.00	1.00	27.20	0.000	0.000	1,563.15	0.00	0.00	2,400.00
150.0	Powerwave 7770	3	32.838	36.122	0.65	0.75	8.06	0.000	3.000	465.73	0.00	1,397.20	126.00
150.0	Raycap DC6-48-60-18-	1	32.838	36.122	1.00	0.75	0.96	0.000	3.000	55.48	0.00	166.45	38.16
150.0	Round Side Arm	3	32.653	35.918	0.67	1.00	10.45	0.000	0.000	600.66	0.00	0.00	540.00
										12,724.59			8,513.04

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page : 10



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 1.2D + 1.6W**                      110.00 mph with No Ice                      33 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

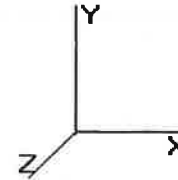
**Linear Appurtenance Segment Forces (Factored)**

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)
1.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	1.20
1.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.284	0.000	7.18	4.92
1.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	0.36
1.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	8.76
1.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	0.32
1.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.284	0.000	15.13	0.00
1.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.284	0.000	7.18	11.81
1.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	0.10
2.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	1.20
2.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.285	0.000	7.18	4.92
2.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	0.36
2.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	8.76
2.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	0.32
2.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.285	0.000	15.13	0.00
2.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.285	0.000	7.18	11.81
2.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	0.10
3.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	1.20
3.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.286	0.000	7.18	4.92
3.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	0.36
3.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	8.76
3.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	0.32
3.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.286	0.000	15.13	0.00
3.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.286	0.000	7.18	11.81
3.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	0.10
4.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	1.20
4.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.287	0.000	7.18	4.92
4.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	0.36
4.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	8.76
4.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	0.32
4.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.287	0.000	15.13	0.00
4.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.287	0.000	7.18	11.81
4.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	0.10
5.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	1.20
5.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.289	0.000	7.18	4.92
5.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	0.36
5.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	8.76
5.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	0.32
5.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.289	0.000	15.13	0.00
5.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.289	0.000	7.18	11.81
5.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	0.10
6.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	1.20
6.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.290	0.000	7.18	4.92
6.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	0.36
6.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	8.76
6.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	0.32
6.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.290	0.000	15.13	0.00
6.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.290	0.000	7.18	11.81
6.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	0.10
7.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	1.20
7.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.291	0.000	7.18	4.92
7.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	0.36



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:04 PM  
 Page: 11

© 2007 - 2015 by ATC IP LLC. All rights reserved.

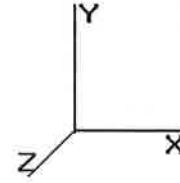
<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

7.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	8.76
7.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	0.32
7.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.291	0.000	15.13	0.00
7.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.291	0.000	7.18	11.81
7.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	0.10
8.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	1.20
8.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.292	0.000	7.18	4.92
8.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	0.36
8.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	8.76
8.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	0.32
8.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.292	0.000	15.13	0.00
8.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.292	0.000	7.18	11.81
8.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	0.10
8.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	1.20
9.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.294	0.000	7.18	4.92
9.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	0.36
9.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	8.76
9.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	0.32
9.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.294	0.000	15.13	0.00
9.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.294	0.000	7.18	11.81
9.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	0.10
10.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	1.20
10.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.295	0.000	7.18	4.92
10.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	0.36
10.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	8.76
10.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	0.32
10.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.295	0.000	15.13	0.00
10.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.295	0.000	7.18	11.81
10.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	0.10
10.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	1.20
11.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.296	0.000	7.18	4.92
11.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	0.36
11.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	8.76
11.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	0.32
11.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.296	0.000	15.13	0.00
11.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.296	0.000	7.18	11.81
11.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	0.10
11.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	1.20
12.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.298	0.000	7.18	4.92
12.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	0.36
12.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	8.76
12.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	0.32
12.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.298	0.000	15.13	0.00
12.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.298	0.000	7.18	11.81
12.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	0.10
12.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	1.20
13.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.299	0.000	7.18	4.92
13.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	0.36
13.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	8.76
13.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	0.32
13.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.299	0.000	15.13	0.00
13.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.299	0.000	7.18	11.81
13.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	0.10
14.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	1.20
14.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.300	0.000	7.18	4.92
14.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	0.36
14.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	8.76

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page: 12



© 2007 - 2015 by ATC IP LLC. All rights reserved.

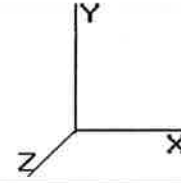
**Load Case: 1.2D + 1.6W**      110.00 mph with No Ice      33 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

14.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	0.32
14.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.300	0.000	15.13	0.00
14.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.300	0.000	7.18	11.81
14.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	0.10
15.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	1.20
15.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.302	0.000	7.18	4.92
15.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	0.36
15.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	8.76
15.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	0.32
15.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.302	0.000	15.13	0.00
15.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.302	0.000	7.18	11.81
15.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	0.10
16.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	1.20
16.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.303	0.000	7.18	4.92
16.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	0.36
16.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	8.76
16.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	0.32
16.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.303	0.000	15.13	0.00
16.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.303	0.000	7.18	11.81
16.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	0.10
17.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	1.20
17.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.304	0.000	7.18	4.92
17.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	0.36
17.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	8.76
17.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	0.32
17.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.304	0.000	15.13	0.00
17.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.304	0.000	7.18	11.81
17.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	0.10
18.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	1.20
18.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.306	0.000	7.18	4.92
18.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	0.36
18.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	8.76
18.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	0.32
18.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.306	0.000	15.13	0.00
18.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.306	0.000	7.18	11.81
18.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	0.10
19.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	1.20
19.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.307	0.000	7.18	4.92
19.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	0.36
19.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	8.76
19.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	0.32
19.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.307	0.000	15.13	0.00
19.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.307	0.000	7.18	11.81
19.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	0.10
20.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	1.20
20.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.308	0.000	7.18	4.92
20.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	0.36
20.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	8.76
20.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	0.32
20.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.308	0.000	15.13	0.00
20.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.308	0.000	7.18	11.81
20.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	0.10
21.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	1.20
21.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.310	0.000	7.18	4.92
21.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	0.36
21.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	8.76
21.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	0.32

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page: 13



© 2007 - 2015 by ATC IP LLC. All rights reserved.

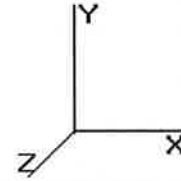
<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>33 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

21.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.310	0.000	15.13	0.00
21.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.310	0.000	7.18	11.81
21.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	0.10
22.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	1.20
22.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.311	0.000	7.18	4.92
22.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	0.36
22.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	8.76
22.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	0.32
22.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.311	0.000	15.13	0.00
22.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.311	0.000	7.18	11.81
22.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	0.10
23.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	1.20
23.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.313	0.000	7.18	4.92
23.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	0.36
23.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	8.76
23.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	0.32
23.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.313	0.000	15.13	0.00
23.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.313	0.000	7.18	11.81
23.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	0.10
24.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	1.20
24.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.314	0.000	7.18	4.92
24.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	0.36
24.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	8.76
24.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	0.32
24.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.314	0.000	15.13	0.00
24.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.314	0.000	7.18	11.81
24.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	0.10
25.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	1.20
25.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.316	0.000	7.18	4.92
25.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	0.36
25.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	8.76
25.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	0.32
25.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.316	0.000	15.13	0.00
25.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.316	0.000	7.18	11.81
25.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	0.10
26.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	1.20
26.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.317	0.000	7.18	4.92
26.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	0.36
26.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	8.76
26.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	0.32
26.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.317	0.000	15.13	0.00
26.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.317	0.000	7.18	11.81
26.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	0.10
27.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	1.20
27.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.319	0.000	7.18	4.92
27.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	0.36
27.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	8.76
27.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	0.32
27.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.319	0.000	15.13	0.00
27.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.319	0.000	7.18	11.81
27.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	0.10
28.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	1.20
28.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.320	0.000	7.18	4.92
28.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	0.36
28.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	8.76
28.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	0.32
28.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.320	0.000	15.13	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:04 PM  
 Page: 14



© 2007 - 2015 by ATC IP LLC. All rights reserved.

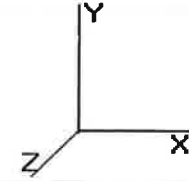
<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>33 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

28.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.320	0.000	7.18	11.81
28.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	0.10
29.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	1.20
29.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.322	0.000	7.18	4.92
29.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	0.36
29.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	8.76
29.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	0.32
29.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.322	0.000	15.13	0.00
29.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.322	0.000	7.18	11.81
29.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	0.10
30.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	1.20
30.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.616	0.323	0.000	7.18	4.92
30.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	0.36
30.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	8.76
30.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	0.32
30.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.616	0.323	0.000	15.13	0.00
30.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.616	0.323	0.000	7.18	11.81
30.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	0.10
31.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	1.20
31.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.810	0.325	0.000	7.25	4.92
31.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	0.36
31.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	8.76
31.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	0.32
31.00	(4) #18 Dywidag bars	Yes	1.00	0.712	7.00	0.58	0.42	20.810	0.325	0.000	15.20	0.00
31.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.810	0.325	0.000	7.25	11.81
31.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	0.10
31.50	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	0.60
31.50	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	20.906	0.326	0.000	3.67	2.48
31.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	0.18
31.50	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	4.41
31.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	0.16
31.50	(4) #18 Dywidag bars	Yes	0.50	0.710	7.00	0.29	0.21	20.906	0.326	0.000	7.67	0.00
31.50	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	20.906	0.326	0.000	3.67	5.94
31.50	(1) 0.28" RG6	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	0.05
32.00	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	0.60
32.00	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	21.000	0.327	0.000	3.63	2.44
32.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	0.18
32.00	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	4.35
32.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	0.16
32.00	(4) #18 Dywidag bars	Yes	0.50	0.708	7.00	0.29	0.21	21.000	0.327	0.000	7.59	0.00
32.00	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	21.000	0.327	0.000	3.63	5.86
32.00	(1) 0.28" RG6	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	0.05
33.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	1.20
33.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.186	0.328	0.000	7.38	4.92
33.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	0.36
33.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	8.76
33.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	0.32
33.00	(4) #18 Dywidag bars	Yes	1.00	0.705	7.00	0.58	0.41	21.186	0.328	0.000	15.34	0.00
33.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.186	0.328	0.000	7.38	11.81
33.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	0.10
34.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	1.20
34.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.367	0.329	0.000	7.45	4.92
34.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	0.36
34.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	8.76
34.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	0.32
34.00	(4) #18 Dywidag bars	Yes	1.00	0.702	7.00	0.58	0.41	21.367	0.329	0.000	15.41	0.00
34.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.367	0.329	0.000	7.45	11.81

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:05 PM  
 Page: 15



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W      110.00 mph with No Ice      33 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

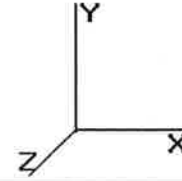
Wind Load Factor : 1.60

34.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	0.10
35.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	1.20
35.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.545	0.331	0.000	7.51	4.92
35.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	0.36
35.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	8.76
35.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	0.32
35.00	(4) #18 Dywidag bars	Yes	1.00	0.699	7.00	0.58	0.41	21.545	0.331	0.000	15.47	0.00
35.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.545	0.331	0.000	7.51	11.81
35.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	0.10
35.67	(1) 1 1/4" Hybriflex	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	0.80
35.67	(5) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	21.662	0.332	0.000	5.06	3.30
35.67	(2) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	0.24
35.67	(2) 2" Conduit	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	5.87
35.67	(6) 5/16" Coax	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	0.22
35.67	(4) #18 Dywidag bars	Yes	0.67	0.698	7.00	0.39	0.27	21.662	0.332	0.000	10.39	0.00
35.67	(12) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	21.662	0.332	0.000	5.06	7.91
35.67	(1) 0.28" RG6	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	0.06
36.00	(1) 1 1/4" Hybriflex	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	0.40
36.00	(5) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	21.719	0.327	0.000	2.50	1.62
36.00	(2) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	0.12
36.00	(2) 2" Conduit	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	2.89
36.00	(6) 5/16" Coax	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	0.11
36.00	(4) #18 Dywidag bars	Yes	0.33	0.697	7.00	0.19	0.13	21.719	0.327	0.000	5.13	0.00
36.00	(12) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	21.719	0.327	0.000	2.50	3.90
36.00	(1) 0.28" RG6	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	0.03
37.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	1.20
37.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.890	0.328	0.000	7.63	4.92
37.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	0.36
37.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	8.76
37.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	0.32
37.00	(4) #18 Dywidag bars	Yes	1.00	0.694	7.00	0.58	0.40	21.890	0.328	0.000	15.59	0.00
37.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.890	0.328	0.000	7.63	11.81
37.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	0.10
38.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	1.20
38.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.057	0.329	0.000	7.69	4.92
38.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	0.36
38.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	8.76
38.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	0.32
38.00	(4) #18 Dywidag bars	Yes	1.00	0.691	7.00	0.58	0.40	22.057	0.329	0.000	15.65	0.00
38.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.057	0.329	0.000	7.69	11.81
38.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	0.10
39.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	1.20
39.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.221	0.331	0.000	7.74	4.92
39.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	0.36
39.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	8.76
39.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	0.32
39.00	(4) #18 Dywidag bars	Yes	1.00	0.689	7.00	0.58	0.40	22.221	0.331	0.000	15.71	0.00
39.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.221	0.331	0.000	7.74	11.81
39.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	0.10
40.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	1.20
40.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.383	0.333	0.000	7.80	4.92
40.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	0.36
40.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	8.76
40.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	0.32
40.00	(4) #18 Dywidag bars	Yes	1.00	0.686	7.00	0.58	0.40	22.383	0.333	0.000	15.77	0.00
40.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.383	0.333	0.000	7.80	11.81
40.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	0.10

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:05 PM  
 Page: 16



© 2007 - 2015 by ATC IP LLC. All rights reserved.

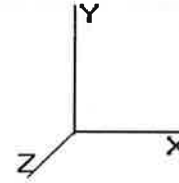
<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>33 Iterations</b>
<b>Gust Response Factor : 1.10</b>		<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 1.20</b>		
<b>Wind Load Factor : 1.60</b>		

41.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	1.20
41.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.541	0.334	0.000	7.86	4.92
41.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	0.36
41.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	8.76
41.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	0.32
41.00	(4) #18 Dywidag bars	Yes	1.00	0.684	7.00	0.58	0.40	22.541	0.334	0.000	15.82	0.00
41.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.541	0.334	0.000	7.86	11.81
41.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	0.10
42.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	1.20
42.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.697	0.336	0.000	7.91	4.92
42.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	0.36
42.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	8.76
42.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	0.32
42.00	(4) #18 Dywidag bars	Yes	1.00	0.681	7.00	0.58	0.40	22.697	0.336	0.000	15.88	0.00
42.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.697	0.336	0.000	7.91	11.81
42.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	0.10
43.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	1.20
43.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.850	0.338	0.000	7.96	4.92
43.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	0.36
43.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	8.76
43.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	0.32
43.00	(4) #18 Dywidag bars	Yes	1.00	0.679	7.00	0.58	0.40	22.850	0.338	0.000	15.93	0.00
43.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.850	0.338	0.000	7.96	11.81
43.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	0.10
44.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	1.20
44.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.000	0.339	0.000	8.02	4.92
44.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	0.36
44.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	8.76
44.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	0.32
44.00	(4) #18 Dywidag bars	Yes	1.00	0.677	7.00	0.58	0.39	23.000	0.339	0.000	15.98	0.00
44.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.000	0.339	0.000	8.02	11.81
44.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	0.10
45.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	1.20
45.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.149	0.341	0.000	8.07	4.92
45.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	0.36
45.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	8.76
45.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	0.32
45.00	(4) #18 Dywidag bars	Yes	1.00	0.675	7.00	0.58	0.39	23.149	0.341	0.000	16.04	0.00
45.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.149	0.341	0.000	8.07	11.81
45.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	0.10
46.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	1.20
46.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.294	0.343	0.000	8.12	4.92
46.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	0.36
46.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	8.76
46.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	0.32
46.00	(4) #18 Dywidag bars	Yes	1.00	0.673	7.00	0.58	0.39	23.294	0.343	0.000	16.09	0.00
46.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.294	0.343	0.000	8.12	11.81
46.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	0.10
47.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	1.20
47.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.438	0.345	0.000	8.17	4.92
47.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	0.36
47.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	8.76
47.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	0.32
47.00	(4) #18 Dywidag bars	Yes	1.00	0.671	7.00	0.58	0.39	23.438	0.345	0.000	16.14	0.00
47.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.438	0.345	0.000	8.17	11.81
47.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	0.10
48.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	1.20

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:05 PM  
 Page: 17



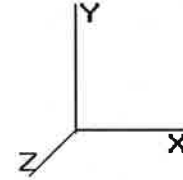
© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>33 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

48.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.579	0.346	0.000	8.22	4.92
48.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	0.36
48.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	8.76
48.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	0.32
48.00	(4) #18 Dywidag bars	Yes	1.00	0.669	7.00	0.58	0.39	23.579	0.346	0.000	16.18	0.00
48.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.579	0.346	0.000	8.22	11.81
48.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	0.10
49.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	1.20
49.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.719	0.348	0.000	8.27	4.92
49.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	0.36
49.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	8.76
49.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	0.32
49.00	(4) #18 Dywidag bars	Yes	1.00	0.667	7.00	0.58	0.39	23.719	0.348	0.000	16.23	0.00
49.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.719	0.348	0.000	8.27	11.81
49.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	0.10
50.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	1.20
50.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.856	0.350	0.000	8.31	4.92
50.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	0.36
50.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	8.76
50.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	0.32
50.00	(4) #18 Dywidag bars	Yes	1.00	0.665	7.00	0.58	0.39	23.856	0.350	0.000	16.28	0.00
50.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.856	0.350	0.000	8.31	11.81
50.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	0.10
51.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	1.20
51.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.991	0.352	0.000	8.36	4.92
51.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	0.36
51.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	8.76
51.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	0.32
51.00	(4) #18 Dywidag bars	Yes	1.00	0.663	7.00	0.58	0.39	23.991	0.352	0.000	16.33	0.00
51.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.991	0.352	0.000	8.36	11.81
51.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	0.10
52.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	1.20
52.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.125	0.354	0.000	8.41	4.92
52.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	0.36
52.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	8.76
52.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	0.32
52.00	(4) #18 Dywidag bars	Yes	1.00	0.661	7.00	0.58	0.39	24.125	0.354	0.000	16.37	0.00
52.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.125	0.354	0.000	8.41	11.81
52.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	0.10
53.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	1.20
53.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.257	0.356	0.000	8.45	4.92
53.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	0.36
53.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	8.76
53.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	0.32
53.00	(4) #18 Dywidag bars	Yes	1.00	0.659	7.00	0.58	0.38	24.257	0.356	0.000	16.41	0.00
53.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.257	0.356	0.000	8.45	11.81
53.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	0.10
54.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	1.20
54.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.386	0.357	0.000	8.50	4.92
54.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	0.36
54.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	8.76
54.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	0.32
54.00	(4) #18 Dywidag bars	Yes	1.00	0.657	7.00	0.58	0.38	24.386	0.357	0.000	16.46	0.00
54.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.386	0.357	0.000	8.50	11.81
54.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	0.10
55.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	1.20
55.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.515	0.359	0.000	8.54	4.92

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:05 PM  
 Page: 18

© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

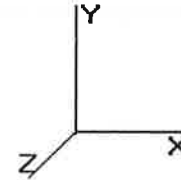
55.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	0.36
55.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	8.76
55.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	0.32
55.00	(4) #18 Dywidag bars	Yes	1.00	0.656	7.00	0.58	0.38	24.515	0.359	0.000	16.50	0.00
55.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.515	0.359	0.000	8.54	11.81
55.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	0.10
56.00	(1) 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	1.20
56.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.641	0.361	0.000	8.59	4.92
56.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	0.36
56.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	8.76
56.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	0.32
56.00	(4) #18 Dywidag bars	Yes	1.00	0.654	7.00	0.58	0.38	24.641	0.361	0.000	16.54	0.00
56.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.641	0.361	0.000	8.59	11.81
56.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	0.10
57.00	(1) 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	1.20
57.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.766	0.363	0.000	8.63	4.92
57.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	0.36
57.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	8.76
57.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	0.32
57.00	(4) #18 Dywidag bars	Yes	1.00	0.652	7.00	0.58	0.38	24.766	0.363	0.000	16.59	0.00
57.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.766	0.363	0.000	8.63	11.81
57.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	0.10
58.00	(1) 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	1.20
58.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.889	0.365	0.000	8.67	4.92
58.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	0.36
58.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	8.76
58.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	0.32
58.00	(4) #18 Dywidag bars	Yes	1.00	0.651	7.00	0.58	0.38	24.889	0.365	0.000	16.63	0.00
58.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.889	0.365	0.000	8.67	11.81
58.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	0.10
59.00	(1) 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	1.20
59.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.011	0.367	0.000	8.72	4.92
59.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	0.36
59.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	8.76
59.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	0.32
59.00	(4) #18 Dywidag bars	Yes	1.00	0.649	7.00	0.58	0.38	25.011	0.367	0.000	16.67	0.00
59.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.011	0.367	0.000	8.72	11.81
59.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	0.10
60.00	(1) 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	1.20
60.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.132	0.369	0.000	8.76	4.92
60.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	0.36
60.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	8.76
60.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	0.32
60.00	(4) #18 Dywidag bars	Yes	1.00	0.648	7.00	0.58	0.38	25.132	0.369	0.000	16.71	0.00
60.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.132	0.369	0.000	8.76	11.81
60.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	0.10
61.00	(1) 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	1.20
61.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.251	0.371	0.000	8.80	4.92
61.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	0.36
61.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	8.76
61.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	0.32
61.00	(4) #18 Dywidag bars	Yes	1.00	0.646	7.00	0.58	0.38	25.251	0.371	0.000	16.75	0.00
61.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.251	0.371	0.000	8.80	11.81
61.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	0.10
62.00	(1) 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	1.20
62.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.368	0.373	0.000	8.84	4.92
62.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	0.36



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:05 PM  
 Page: 19



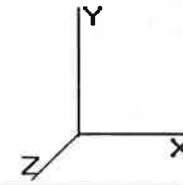
© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 1.2D + 1.6W**      **110.00 mph with No Ice**      **33 Iterations**  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

62.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	8.76
62.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	0.32
62.00	(4) #18 Dywidag bars	Yes	1.00	0.645	7.00	0.58	0.38	25.368	0.373	0.000	16.79	0.00
62.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.368	0.373	0.000	8.84	11.81
62.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	0.10
63.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	1.20
63.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.485	0.375	0.000	8.88	4.92
63.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	0.36
63.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	8.76
63.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	0.32
63.00	(4) #18 Dywidag bars	Yes	1.00	0.643	7.00	0.58	0.38	25.485	0.375	0.000	16.83	0.00
63.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.485	0.375	0.000	8.88	11.81
63.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	0.10
64.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	1.20
64.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.599	0.377	0.000	8.92	4.92
64.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	0.36
64.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	8.76
64.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	0.32
64.00	(4) #18 Dywidag bars	Yes	1.00	0.642	7.00	0.58	0.37	25.599	0.377	0.000	16.86	0.00
64.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.599	0.377	0.000	8.92	11.81
64.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	0.10
65.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	1.20
65.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.713	0.379	0.000	8.96	4.92
65.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	0.36
65.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	8.76
65.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	0.32
65.00	(4) #18 Dywidag bars	Yes	1.00	0.640	7.00	0.58	0.37	25.713	0.379	0.000	16.90	0.00
65.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.713	0.379	0.000	8.96	11.81
65.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	0.10
66.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	1.20
66.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.825	0.382	0.000	9.00	4.92
66.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	0.36
66.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	8.76
66.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	0.32
66.00	(4) #18 Dywidag bars	Yes	1.00	0.639	7.00	0.58	0.37	25.825	0.382	0.000	16.94	0.00
66.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.825	0.382	0.000	9.00	11.81
66.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	0.10
67.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	1.20
67.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.937	0.384	0.000	9.04	4.92
67.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	0.36
67.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	8.76
67.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	0.32
67.00	(4) #18 Dywidag bars	Yes	1.00	0.637	7.00	0.58	0.37	25.937	0.384	0.000	16.97	0.00
67.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.937	0.384	0.000	9.04	11.81
67.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	0.10
68.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	1.20
68.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.047	0.386	0.000	9.08	4.92
68.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	0.36
68.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	8.76
68.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	0.32
68.00	(4) #18 Dywidag bars	Yes	1.00	0.636	7.00	0.58	0.37	26.047	0.386	0.000	17.01	0.00
68.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.047	0.386	0.000	9.08	11.81
68.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	0.10
69.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	1.20
69.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.156	0.388	0.000	9.11	4.92
69.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	0.36
69.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	8.76

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:05 PM  
 Page: 20

© 2007 - 2015 by ATC IP LLC. All rights reserved.

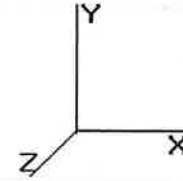
<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>33 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

69.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	0.32
69.00	(4) #18 Dywidag bars	Yes	1.00	0.635	7.00	0.58	0.37	26.156	0.388	0.000	17.05	0.00
69.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.156	0.388	0.000	9.11	11.81
69.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	0.10
70.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.263	0.390	0.000	0.00	1.20
70.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.263	0.390	0.000	9.15	4.92
70.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.263	0.390	0.000	0.00	0.36
70.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.263	0.390	0.000	0.00	8.76
70.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.263	0.390	0.000	0.00	0.32
70.00	(4) #18 Dywidag bars	Yes	1.00	0.633	7.00	0.58	0.37	26.263	0.390	0.000	17.08	0.00
70.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.263	0.390	0.000	9.15	11.81
70.00	(1) 1 1/4" Hybriflex	Yes	0.00	0.000	0.00	0.00	0.00	26.264	0.392	0.000	0.00	0.00
70.00	(5) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	26.264	0.392	0.000	0.03	0.02
70.00	(2) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	26.264	0.392	0.000	0.00	0.00
70.00	(2) 2" Conduit	Yes	0.00	0.000	0.00	0.00	0.00	26.264	0.392	0.000	0.00	0.03
70.00	(6) 5/16" Coax	Yes	0.00	0.000	0.00	0.00	0.00	26.264	0.392	0.000	0.00	0.00
70.00	(4) #18 Dywidag bars	Yes	0.00	0.633	7.00	0.00	0.00	26.264	0.392	0.000	0.06	0.00
70.00	(12) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	26.264	0.392	0.000	0.03	0.04
71.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.370	0.393	0.000	0.00	1.20
71.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	26.370	0.393	0.000	9.16	4.90
71.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.370	0.393	0.000	0.00	0.36
71.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.370	0.393	0.000	0.00	8.73
71.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.370	0.393	0.000	0.00	0.32
71.00	(4) #18 Dywidag bars	Yes	1.00	0.632	7.00	0.58	0.37	26.370	0.393	0.000	17.06	0.00
71.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	26.370	0.393	0.000	9.16	11.77
72.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.476	0.395	0.000	0.00	1.20
72.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.476	0.395	0.000	9.23	4.92
72.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.476	0.395	0.000	0.00	0.36
72.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.476	0.395	0.000	0.00	8.76
72.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.476	0.395	0.000	0.00	0.32
72.00	(4) #18 Dywidag bars	Yes	1.00	0.631	7.00	0.58	0.37	26.476	0.395	0.000	17.15	0.00
72.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.476	0.395	0.000	9.23	11.81
73.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.580	0.397	0.000	0.00	1.20
73.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.580	0.397	0.000	9.26	4.92
73.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.580	0.397	0.000	0.00	0.36
73.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.580	0.397	0.000	0.00	8.76
73.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.580	0.397	0.000	0.00	0.32
73.00	(4) #18 Dywidag bars	Yes	1.00	0.630	7.00	0.58	0.37	26.580	0.397	0.000	17.18	0.00
73.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.580	0.397	0.000	9.26	11.81
73.50	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	26.632	0.399	0.000	0.00	0.60
73.50	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	26.632	0.399	0.000	4.67	2.48
73.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	26.632	0.399	0.000	0.00	0.18
73.50	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	26.632	0.399	0.000	0.00	4.41
73.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	26.632	0.399	0.000	0.00	0.16
73.50	(4) #18 Dywidag bars	Yes	0.50	0.629	7.00	0.29	0.18	26.632	0.399	0.000	8.66	0.00
73.50	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	26.632	0.399	0.000	4.67	5.94
74.00	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	26.684	0.393	0.000	0.00	0.60
74.00	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	26.684	0.393	0.000	4.62	2.44
74.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	26.684	0.393	0.000	0.00	0.18
74.00	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	26.684	0.393	0.000	0.00	4.35
74.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	26.684	0.393	0.000	0.00	0.16
74.00	(4) #18 Dywidag bars	Yes	0.50	0.628	7.00	0.29	0.18	26.684	0.393	0.000	8.55	0.00
74.00	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	26.684	0.393	0.000	4.62	5.86
75.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.786	0.395	0.000	0.00	1.20
75.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.786	0.395	0.000	9.33	4.92
75.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.786	0.395	0.000	0.00	0.36
75.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.786	0.395	0.000	0.00	8.76

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:05 PM  
 Page: 21



© 2007 - 2015 by ATC IP LLC. All rights reserved.

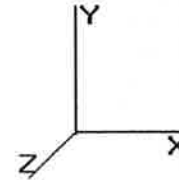
<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>33 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

75.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.786	0.395	0.000	0.00	0.32
75.00	(4) #18 Dywidag bars	Yes	1.00	0.627	7.00	0.58	0.37	26.786	0.395	0.000	17.25	0.00
75.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.786	0.395	0.000	9.33	11.81
76.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.888	0.397	0.000	0.00	1.20
76.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.888	0.397	0.000	9.37	4.92
76.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.888	0.397	0.000	0.00	0.36
76.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.888	0.397	0.000	0.00	8.76
76.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.888	0.397	0.000	0.00	0.32
76.00	(4) #18 Dywidag bars	Yes	1.00	0.626	7.00	0.58	0.37	26.888	0.397	0.000	17.28	0.00
76.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.888	0.397	0.000	9.37	11.81
77.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.988	0.399	0.000	0.00	1.20
77.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.988	0.399	0.000	9.40	4.92
77.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.988	0.399	0.000	0.00	0.36
77.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.988	0.399	0.000	0.00	8.76
77.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.988	0.399	0.000	0.00	0.32
77.00	(4) #18 Dywidag bars	Yes	1.00	0.625	7.00	0.58	0.36	26.988	0.399	0.000	17.31	0.00
77.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.988	0.399	0.000	9.40	11.81
78.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.088	0.402	0.000	0.00	1.20
78.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.088	0.402	0.000	9.44	4.92
78.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.088	0.402	0.000	0.00	0.36
78.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.088	0.402	0.000	0.00	8.76
78.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.088	0.402	0.000	0.00	0.32
78.00	(4) #18 Dywidag bars	Yes	1.00	0.624	7.00	0.58	0.36	27.088	0.402	0.000	17.35	0.00
78.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.088	0.402	0.000	9.44	11.81
79.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.187	0.404	0.000	0.00	1.20
79.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.187	0.404	0.000	9.47	4.92
79.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.187	0.404	0.000	0.00	0.36
79.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.187	0.404	0.000	0.00	8.76
79.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.187	0.404	0.000	0.00	0.32
79.00	(4) #18 Dywidag bars	Yes	1.00	0.623	7.00	0.58	0.36	27.187	0.404	0.000	17.38	0.00
79.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.187	0.404	0.000	9.47	11.81
80.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.285	0.406	0.000	0.00	1.20
80.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.285	0.406	0.000	9.51	4.92
80.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.285	0.406	0.000	0.00	0.36
80.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.285	0.406	0.000	0.00	8.76
80.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.285	0.406	0.000	0.00	0.32
80.00	(4) #18 Dywidag bars	Yes	1.00	0.621	7.00	0.58	0.36	27.285	0.406	0.000	17.41	0.00
80.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.285	0.406	0.000	9.51	11.81
81.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.382	0.409	0.000	0.00	1.20
81.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.382	0.409	0.000	9.54	4.92
81.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.382	0.409	0.000	0.00	0.36
81.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.382	0.409	0.000	0.00	8.76
81.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.382	0.409	0.000	0.00	0.32
81.00	(4) #18 Dywidag bars	Yes	1.00	0.620	7.00	0.58	0.36	27.382	0.409	0.000	17.44	0.00
81.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.382	0.409	0.000	9.54	11.81
82.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.478	0.411	0.000	0.00	1.20
82.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.478	0.411	0.000	9.58	4.92
82.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.478	0.411	0.000	0.00	0.36
82.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.478	0.411	0.000	0.00	8.76
82.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.478	0.411	0.000	0.00	0.32
82.00	(4) #18 Dywidag bars	Yes	1.00	0.619	7.00	0.58	0.36	27.478	0.411	0.000	17.47	0.00
82.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.478	0.411	0.000	9.58	11.81
83.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.573	0.414	0.000	0.00	1.20
83.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.573	0.414	0.000	9.61	4.92
83.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.573	0.414	0.000	0.00	0.36
83.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.573	0.414	0.000	0.00	8.76
83.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.573	0.414	0.000	0.00	0.32

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:05 PM  
 Page: 22



© 2007 - 2015 by ATC IP LLC. All rights reserved.

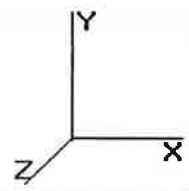
<b>Load Case: 1.2D + 1.6W</b>	<b>110.00 mph with No Ice</b>	<b>33 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

83.00	(4) #18 Dywidag bars	Yes	1.00	0.618	7.00	0.58	0.36	27.573	0.414	0.000	17.50	0.00
83.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.573	0.414	0.000	9.61	11.81
84.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.668	0.416	0.000	0.00	1.20
84.00	(4) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.668	0.416	0.000	9.64	4.92
84.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.668	0.416	0.000	0.00	0.36
84.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.668	0.416	0.000	0.00	8.76
84.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.668	0.416	0.000	0.00	0.32
84.00	(4) #18 Dywidag bars	Yes	1.00	0.617	7.00	0.58	0.36	27.668	0.416	0.000	17.53	0.00
84.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.668	0.416	0.000	9.64	11.81
85.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.761	0.419	0.000	0.00	1.20
85.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.761	0.419	0.000	9.67	4.92
85.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.761	0.419	0.000	0.00	0.36
85.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.761	0.419	0.000	0.00	8.76
85.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.761	0.419	0.000	0.00	0.32
85.00	(4) #18 Dywidag bars	Yes	1.00	0.616	7.00	0.58	0.36	27.761	0.419	0.000	17.56	0.00
85.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.761	0.419	0.000	9.67	11.81
86.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.854	0.422	0.000	0.00	1.20
86.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.854	0.422	0.000	9.71	4.92
86.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.854	0.422	0.000	0.00	0.36
86.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.854	0.422	0.000	0.00	8.76
86.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.854	0.422	0.000	0.00	0.32
86.00	(4) #18 Dywidag bars	Yes	1.00	0.615	7.00	0.58	0.36	27.854	0.422	0.000	17.59	0.00
86.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.854	0.422	0.000	9.71	11.81
87.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.946	0.424	0.000	0.00	1.20
87.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.946	0.424	0.000	9.74	4.92
87.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.946	0.424	0.000	0.00	0.36
87.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.946	0.424	0.000	0.00	8.76
87.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.946	0.424	0.000	0.00	0.32
87.00	(4) #18 Dywidag bars	Yes	1.00	0.614	7.00	0.58	0.36	27.946	0.424	0.000	17.62	0.00
87.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.946	0.424	0.000	9.74	11.81
88.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.038	0.427	0.000	0.00	1.20
88.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.038	0.427	0.000	9.77	4.92
88.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.038	0.427	0.000	0.00	0.36
88.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.038	0.427	0.000	0.00	8.76
88.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.038	0.427	0.000	0.00	0.32
88.00	(4) #18 Dywidag bars	Yes	1.00	0.613	7.00	0.58	0.36	28.038	0.427	0.000	17.65	0.00
88.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.038	0.427	0.000	9.77	11.81
89.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.129	0.430	0.000	0.00	1.20
89.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.129	0.430	0.000	9.80	4.92
89.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.129	0.430	0.000	0.00	0.36
89.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.129	0.430	0.000	0.00	8.76
89.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.129	0.430	0.000	0.00	0.32
89.00	(4) #18 Dywidag bars	Yes	1.00	0.612	7.00	0.58	0.36	28.129	0.430	0.000	17.68	0.00
89.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.129	0.430	0.000	9.80	11.81
90.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.219	0.432	0.000	0.00	1.20
90.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.219	0.432	0.000	9.83	4.92
90.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.219	0.432	0.000	0.00	0.36
90.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.219	0.432	0.000	0.00	8.76
90.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.219	0.432	0.000	0.00	0.32
90.00	(4) #18 Dywidag bars	Yes	1.00	0.611	7.00	0.58	0.36	28.219	0.432	0.000	17.70	0.00
90.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.219	0.432	0.000	9.83	11.81
91.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.308	0.435	0.000	0.00	1.20
91.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.308	0.435	0.000	9.86	4.92
91.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.308	0.435	0.000	0.00	0.36
91.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.308	0.435	0.000	0.00	8.76
91.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.308	0.435	0.000	0.00	0.32
91.00	(4) #18 Dywidag bars	Yes	1.00	0.610	7.00	0.58	0.36	28.308	0.435	0.000	17.73	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:05 PM  
 Page : 23



© 2007 - 2015 by ATC IP LLC. All rights reserved.

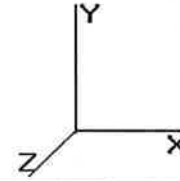
**Load Case: 1.2D + 1.6W**      **110.00 mph with No Ice**      **33 Iterations**  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

91.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.308	0.435	0.000	9.86	11.81
92.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.396	0.438	0.000	0.00	1.20
92.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.396	0.438	0.000	9.90	4.92
92.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.396	0.438	0.000	0.00	0.36
92.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.396	0.438	0.000	0.00	8.76
92.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.396	0.438	0.000	0.00	0.32
92.00	(4) #18 Dywidag bars	Yes	1.00	0.609	7.00	0.58	0.36	28.396	0.438	0.000	17.76	0.00
92.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.396	0.438	0.000	9.90	11.81
93.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.484	0.441	0.000	0.00	1.20
93.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.484	0.441	0.000	9.93	4.92
93.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.484	0.441	0.000	0.00	0.36
93.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.484	0.441	0.000	0.00	8.76
93.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.484	0.441	0.000	0.00	0.32
93.00	(4) #18 Dywidag bars	Yes	1.00	0.608	7.00	0.58	0.35	28.484	0.441	0.000	17.79	0.00
93.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.484	0.441	0.000	9.93	11.81
94.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.571	0.444	0.000	0.00	1.20
94.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.571	0.444	0.000	9.96	4.92
94.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.571	0.444	0.000	0.00	0.36
94.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.571	0.444	0.000	0.00	8.76
94.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.571	0.444	0.000	0.00	0.32
94.00	(4) #18 Dywidag bars	Yes	1.00	0.607	7.00	0.58	0.35	28.571	0.444	0.000	17.82	0.00
94.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.571	0.444	0.000	9.96	11.81
95.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.658	0.447	0.000	0.00	1.20
95.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.658	0.447	0.000	9.99	4.92
95.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.658	0.447	0.000	0.00	0.36
95.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.658	0.447	0.000	0.00	8.76
95.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.658	0.447	0.000	0.00	0.32
95.00	(4) #18 Dywidag bars	Yes	1.00	0.606	7.00	0.58	0.35	28.658	0.447	0.000	17.84	0.00
95.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.658	0.447	0.000	9.99	11.81
96.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.744	0.450	0.000	0.00	1.20
96.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.744	0.450	0.000	10.02	4.92
96.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.744	0.450	0.000	0.00	0.36
96.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.744	0.450	0.000	0.00	8.76
96.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.744	0.450	0.000	0.00	0.32
96.00	(4) #18 Dywidag bars	Yes	1.00	0.606	7.00	0.58	0.35	28.744	0.450	0.000	17.87	0.00
96.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.744	0.450	0.000	10.02	11.81
97.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.829	0.453	0.000	0.00	1.20
97.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.829	0.453	0.000	10.05	4.92
97.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.829	0.453	0.000	0.00	0.36
97.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.829	0.453	0.000	0.00	8.76
97.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.829	0.453	0.000	0.00	0.32
97.00	(4) #18 Dywidag bars	Yes	1.00	0.605	7.00	0.58	0.35	28.829	0.453	0.000	17.90	0.00
97.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.829	0.453	0.000	10.05	11.81
98.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.913	0.456	0.000	0.00	1.20
98.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.913	0.456	0.000	10.08	4.92
98.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.913	0.456	0.000	0.00	0.36
98.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.913	0.456	0.000	0.00	8.76
98.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.913	0.456	0.000	0.00	0.32
98.00	(4) #18 Dywidag bars	Yes	1.00	0.604	7.00	0.58	0.35	28.913	0.456	0.000	17.92	0.00
98.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.913	0.456	0.000	10.08	11.81
99.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.997	0.459	0.000	0.00	1.20
99.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.997	0.459	0.000	10.11	4.92
99.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.997	0.459	0.000	0.00	0.36
99.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.997	0.459	0.000	0.00	8.76
99.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.997	0.459	0.000	0.00	0.32
99.00	(4) #18 Dywidag bars	Yes	1.00	0.603	7.00	0.58	0.35	28.997	0.459	0.000	17.95	0.00
99.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.997	0.459	0.000	10.11	11.81

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:05 PM  
 Page: 24



© 2007 - 2015 by ATC IP LLC. All rights reserved.

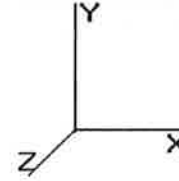
**Load Case: 1.2D + 1.6W**      110.00 mph with No Ice      33 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

100.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.081	0.462	0.000	0.00	1.20
100.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.081	0.462	0.000	10.13	4.92
100.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.081	0.462	0.000	0.00	0.36
100.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.081	0.462	0.000	0.00	8.76
100.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.081	0.462	0.000	0.00	0.32
100.0	(4) #18 Dywidag bars	Yes	1.00	0.602	7.00	0.58	0.35	29.081	0.462	0.000	17.97	0.00
100.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.081	0.462	0.000	10.13	11.81
101.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.164	0.465	0.000	0.00	1.20
101.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.164	0.465	0.000	10.16	4.92
101.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.164	0.465	0.000	0.00	0.36
101.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.164	0.465	0.000	0.00	8.76
101.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.164	0.465	0.000	0.00	0.32
101.0	(4) #18 Dywidag bars	Yes	1.00	0.601	7.00	0.58	0.35	29.164	0.465	0.000	18.00	0.00
101.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.164	0.465	0.000	10.16	11.81
102.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.246	0.468	0.000	0.00	1.20
102.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.246	0.468	0.000	10.19	4.92
102.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.246	0.468	0.000	0.00	0.36
102.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.246	0.468	0.000	0.00	8.76
102.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.246	0.468	0.000	0.00	0.32
102.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.246	0.468	0.000	18.02	0.00
102.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.246	0.468	0.000	10.19	11.81
103.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.328	0.472	0.000	0.00	1.20
103.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.328	0.472	0.000	10.22	4.92
103.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.328	0.472	0.000	0.00	0.36
103.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.328	0.472	0.000	0.00	8.76
103.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.328	0.472	0.000	0.00	0.32
103.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.328	0.472	0.000	18.07	0.00
103.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.328	0.472	0.000	10.22	11.81
104.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.409	0.475	0.000	0.00	1.20
104.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.409	0.475	0.000	10.25	4.92
104.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.409	0.475	0.000	0.00	0.36
104.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.409	0.475	0.000	0.00	8.76
104.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.409	0.475	0.000	0.00	0.32
104.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.409	0.475	0.000	18.12	0.00
104.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.409	0.475	0.000	10.25	11.81
105.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.489	0.478	0.000	0.00	1.20
105.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.489	0.478	0.000	10.28	4.92
105.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.489	0.478	0.000	0.00	0.36
105.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.489	0.478	0.000	0.00	8.76
105.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.489	0.478	0.000	0.00	0.32
105.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.489	0.478	0.000	18.17	0.00
105.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.489	0.478	0.000	10.28	11.81
106.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.569	0.482	0.000	0.00	1.20
106.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.569	0.482	0.000	10.30	4.92
106.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.569	0.482	0.000	0.00	0.36
106.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.569	0.482	0.000	0.00	8.76
106.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.569	0.482	0.000	0.00	0.32
106.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.569	0.482	0.000	18.21	0.00
106.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.569	0.482	0.000	10.30	11.81
107.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.649	0.485	0.000	0.00	1.20
107.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.649	0.485	0.000	10.33	4.92
107.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.649	0.485	0.000	0.00	0.36
107.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.649	0.485	0.000	0.00	8.76
107.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.649	0.485	0.000	0.00	0.32
107.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.649	0.485	0.000	18.26	0.00
107.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.649	0.485	0.000	10.33	11.81
108.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.727	0.489	0.000	0.00	1.20

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 25



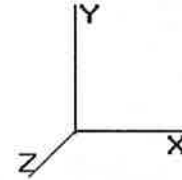
© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

108.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.727	0.489	0.000	10.36	4.92
108.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.727	0.489	0.000	0.00	0.36
108.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.727	0.489	0.000	0.00	8.76
108.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.727	0.489	0.000	0.00	0.32
108.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.727	0.489	0.000	18.31	0.00
108.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.727	0.489	0.000	10.36	11.81
109.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.806	0.492	0.000	0.00	1.20
109.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.806	0.492	0.000	10.39	4.92
109.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.806	0.492	0.000	0.00	0.36
109.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.806	0.492	0.000	0.00	8.76
109.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.806	0.492	0.000	0.00	0.32
109.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.806	0.492	0.000	18.36	0.00
109.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.806	0.492	0.000	10.39	11.81
110.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.884	0.496	0.000	0.00	1.20
110.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.884	0.496	0.000	10.41	4.92
110.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.884	0.496	0.000	0.00	0.36
110.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.884	0.496	0.000	0.00	8.76
110.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.884	0.496	0.000	0.00	0.32
110.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.884	0.496	0.000	18.41	0.00
110.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.884	0.496	0.000	10.41	11.81
110.0	(1) 1 1/4" Hybriflex	Yes	0.00	0.000	0.00	0.00	0.00	29.884	0.498	0.000	0.00	0.00
110.0	(5) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	29.884	0.498	0.000	0.03	0.02
110.0	(2) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	29.884	0.498	0.000	0.00	0.00
110.0	(2) 2" Conduit	Yes	0.00	0.000	0.00	0.00	0.00	29.884	0.498	0.000	0.00	0.03
110.0	(6) 5/16" Coax	Yes	0.00	0.000	0.00	0.00	0.00	29.884	0.498	0.000	0.00	0.00
110.0	(4) #18 Dywidag bars	Yes	0.00	0.600	7.00	0.00	0.00	29.884	0.498	0.000	0.06	0.00
110.0	(12) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	29.884	0.498	0.000	0.03	0.04
111.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.961	0.500	0.000	0.00	1.20
111.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	29.961	0.500	0.000	10.41	4.90
111.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.961	0.500	0.000	0.00	0.36
111.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.961	0.500	0.000	0.00	8.73
111.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.961	0.500	0.000	0.00	0.32
111.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.961	0.500	0.000	18.39	0.00
111.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	29.961	0.500	0.000	10.41	11.77
112.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.038	0.503	0.000	0.00	1.20
112.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.038	0.503	0.000	10.47	4.92
112.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.038	0.503	0.000	0.00	0.36
112.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.038	0.503	0.000	0.00	8.76
112.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.038	0.503	0.000	0.00	0.32
112.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.038	0.503	0.000	18.50	0.00
112.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.038	0.503	0.000	10.47	11.81
113.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.114	0.507	0.000	0.00	1.20
113.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.114	0.507	0.000	10.49	4.92
113.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.114	0.507	0.000	0.00	0.36
113.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.114	0.507	0.000	0.00	8.76
113.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.114	0.507	0.000	0.00	0.32
113.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.114	0.507	0.000	18.55	0.00
113.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.114	0.507	0.000	10.49	11.81
114.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.190	0.511	0.000	0.00	1.20
114.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.190	0.511	0.000	10.52	4.92
114.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.190	0.511	0.000	0.00	0.36
114.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.190	0.511	0.000	0.00	8.76
114.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.190	0.511	0.000	0.00	0.32
114.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.190	0.511	0.000	18.60	0.00
114.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.190	0.511	0.000	10.52	11.81
115.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.266	0.515	0.000	0.00	1.20
115.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.266	0.515	0.000	10.55	4.92

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:06 PM  
 Page: 26

© 2007 - 2015 by ATC IP LLC. All rights reserved.

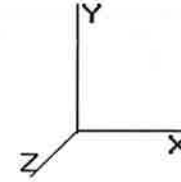
<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

115.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.266	0.515	0.000	0.00	0.36
115.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.266	0.515	0.000	0.00	8.76
115.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.266	0.515	0.000	0.00	0.32
115.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.266	0.515	0.000	18.64	0.00
115.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.266	0.515	0.000	10.55	11.81
116.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.341	0.519	0.000	0.00	1.20
116.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.341	0.519	0.000	10.57	4.92
116.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.341	0.519	0.000	0.00	0.36
116.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.341	0.519	0.000	0.00	8.76
116.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.341	0.519	0.000	0.00	0.32
116.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.341	0.519	0.000	18.69	0.00
116.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.341	0.519	0.000	10.57	11.81
117.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.415	0.523	0.000	0.00	1.20
117.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.415	0.523	0.000	10.60	4.92
117.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.415	0.523	0.000	0.00	0.36
117.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.415	0.523	0.000	0.00	8.76
117.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.415	0.523	0.000	0.00	0.32
117.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.415	0.523	0.000	18.74	0.00
117.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.415	0.523	0.000	10.60	11.81
118.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.489	0.527	0.000	0.00	1.20
118.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.489	0.527	0.000	10.62	4.92
118.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.489	0.527	0.000	0.00	0.36
118.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.489	0.527	0.000	0.00	8.76
118.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.489	0.527	0.000	0.00	0.32
118.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.489	0.527	0.000	18.78	0.00
118.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.489	0.527	0.000	10.62	11.81
119.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.563	0.531	0.000	0.00	1.20
119.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.563	0.531	0.000	10.65	4.92
119.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.563	0.531	0.000	0.00	0.36
119.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.563	0.531	0.000	0.00	8.76
119.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.563	0.531	0.000	0.00	0.32
119.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.563	0.531	0.000	18.83	0.00
119.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.563	0.531	0.000	10.65	11.81
120.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.636	0.535	0.000	0.00	1.20
120.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.636	0.535	0.000	10.68	4.92
120.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.636	0.535	0.000	0.00	0.36
120.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.636	0.535	0.000	0.00	8.76
120.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.636	0.535	0.000	0.00	0.32
120.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.636	0.535	0.000	18.87	0.00
120.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.636	0.535	0.000	10.68	11.81
121.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.709	0.539	0.000	0.00	1.20
121.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.709	0.539	0.000	10.70	4.92
121.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.709	0.539	0.000	0.00	0.36
121.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.709	0.539	0.000	0.00	8.76
121.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.709	0.539	0.000	0.00	0.32
121.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.709	0.539	0.000	18.92	0.00
121.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.709	0.539	0.000	10.70	11.81
122.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.781	0.544	0.000	0.00	1.20
122.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.781	0.544	0.000	10.73	4.92
122.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.781	0.544	0.000	0.00	0.36
122.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.781	0.544	0.000	0.00	8.76
122.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.781	0.544	0.000	0.00	0.32
122.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.781	0.544	0.000	18.96	0.00
122.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.781	0.544	0.000	10.73	11.81
123.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.853	0.548	0.000	0.00	1.20
123.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.853	0.548	0.000	10.75	4.92
123.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.853	0.548	0.000	0.00	0.36



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:06 PM  
 Page: 27

© 2007 - 2015 by ATC IP LLC. All rights reserved.

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

110.00 mph with No Ice

33 Iterations

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

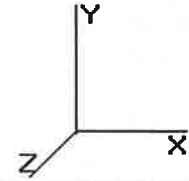
Wind Importance Factor : 1.00

123.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.853	0.548	0.000	0.00	8.76
123.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.853	0.548	0.000	0.00	0.32
123.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.853	0.548	0.000	19.01	0.00
123.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.853	0.548	0.000	10.75	11.81
124.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.924	0.302	0.000	0.00	1.20
124.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.924	0.302	0.000	10.78	4.92
124.0	(7) 1 5/8" Coax	Yes	1.00	1.022	4.00	0.33	0.34	30.924	0.302	0.000	18.53	6.89
124.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.924	0.302	0.000	0.00	0.36
124.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.924	0.302	0.000	0.00	8.76
124.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.924	0.302	0.000	0.00	0.32
125.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.995	0.304	0.000	0.00	1.20
125.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.995	0.304	0.000	10.80	4.92
125.0	(7) 1 5/8" Coax	Yes	1.00	1.020	4.00	0.33	0.34	30.995	0.304	0.000	18.56	6.89
125.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.995	0.304	0.000	0.00	0.36
125.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.995	0.304	0.000	0.00	8.76
125.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.995	0.304	0.000	0.00	0.32
126.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.066	0.307	0.000	0.00	1.20
126.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.066	0.307	0.000	10.83	4.92
126.0	(7) 1 5/8" Coax	Yes	1.00	1.019	4.00	0.33	0.34	31.066	0.307	0.000	18.58	6.89
126.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.066	0.307	0.000	0.00	0.36
126.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.066	0.307	0.000	0.00	8.76
126.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.066	0.307	0.000	0.00	0.32
127.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.136	0.309	0.000	0.00	1.20
127.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.136	0.309	0.000	10.85	4.92
127.0	(7) 1 5/8" Coax	Yes	1.00	1.018	4.00	0.33	0.34	31.136	0.309	0.000	18.60	6.89
127.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.136	0.309	0.000	0.00	0.36
127.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.136	0.309	0.000	0.00	8.76
127.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.136	0.309	0.000	0.00	0.32
128.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.206	0.312	0.000	0.00	1.20
128.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.206	0.312	0.000	10.87	4.92
128.0	(7) 1 5/8" Coax	Yes	1.00	1.017	4.00	0.33	0.34	31.206	0.312	0.000	18.62	6.89
128.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.206	0.312	0.000	0.00	0.36
128.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.206	0.312	0.000	0.00	8.76
128.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.206	0.312	0.000	0.00	0.32
129.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.276	0.314	0.000	0.00	1.20
129.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.276	0.314	0.000	10.90	4.92
129.0	(7) 1 5/8" Coax	Yes	1.00	1.016	4.00	0.33	0.34	31.276	0.314	0.000	18.64	6.89
129.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.276	0.314	0.000	0.00	0.36
129.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.276	0.314	0.000	0.00	8.76
129.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.276	0.314	0.000	0.00	0.32
130.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.345	0.317	0.000	0.00	1.20
130.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.345	0.317	0.000	10.92	4.92
130.0	(7) 1 5/8" Coax	Yes	1.00	1.015	4.00	0.33	0.34	31.345	0.317	0.000	18.66	6.89
130.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.345	0.317	0.000	0.00	0.36
130.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.345	0.317	0.000	0.00	8.76
130.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.345	0.317	0.000	0.00	0.32
131.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.413	0.320	0.000	0.00	1.20
131.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.413	0.320	0.000	10.95	4.92
131.0	(7) 1 5/8" Coax	Yes	1.00	1.014	4.00	0.33	0.34	31.413	0.320	0.000	18.68	6.89
132.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.482	0.323	0.000	0.00	1.20
132.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.482	0.323	0.000	10.97	4.92
132.0	(7) 1 5/8" Coax	Yes	1.00	1.013	4.00	0.33	0.34	31.482	0.323	0.000	18.70	6.89
133.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.550	0.326	0.000	0.00	1.20
133.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.550	0.326	0.000	10.99	4.92
133.0	(7) 1 5/8" Coax	Yes	1.00	1.011	4.00	0.33	0.34	31.550	0.326	0.000	18.72	6.89
134.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.617	0.328	0.000	0.00	1.20
134.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.617	0.328	0.000	11.02	4.92

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 28



© 2007 - 2015 by ATC IP LLC. All rights reserved.

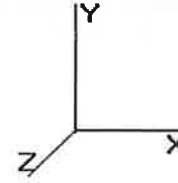
**Load Case: 1.2D + 1.6W**                      **110.00 mph with No Ice**                      **33 Iterations**  
**Gust Response Factor : 1.10**                      **Wind Importance Factor : 1.00**  
**Dead Load Factor : 1.20**  
**Wind Load Factor : 1.60**

134.0	(7) 1 5/8" Coax	Yes	1.00	1.010	4.00	0.33	0.34	31.617	0.328	0.000	18.74	6.89
135.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.684	0.331	0.000	0.00	1.20
135.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.684	0.331	0.000	11.04	4.92
135.0	(7) 1 5/8" Coax	Yes	1.00	1.009	4.00	0.33	0.34	31.684	0.331	0.000	18.76	6.89
136.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.751	0.334	0.000	0.00	1.20
136.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.751	0.334	0.000	11.06	4.92
136.0	(7) 1 5/8" Coax	Yes	1.00	1.008	4.00	0.33	0.34	31.751	0.334	0.000	18.78	6.89
137.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.818	0.337	0.000	0.00	1.20
137.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.818	0.337	0.000	11.09	4.92
137.0	(7) 1 5/8" Coax	Yes	1.00	1.007	4.00	0.33	0.34	31.818	0.337	0.000	18.80	6.89
138.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.884	0.341	0.000	0.00	1.20
138.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.884	0.341	0.000	11.11	4.92
138.0	(7) 1 5/8" Coax	Yes	1.00	1.006	4.00	0.33	0.34	31.884	0.341	0.000	18.82	6.89
139.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.950	0.344	0.000	0.00	1.20
139.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.950	0.344	0.000	11.13	4.92
139.0	(7) 1 5/8" Coax	Yes	1.00	1.005	4.00	0.33	0.34	31.950	0.344	0.000	18.84	6.89
140.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	32.015	0.347	0.000	0.00	1.20
140.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	32.015	0.347	0.000	11.16	4.92
140.0	(7) 1 5/8" Coax	Yes	1.00	1.004	4.00	0.33	0.33	32.015	0.347	0.000	18.86	6.89
<b>Totals:</b>											<b>4,716.50</b>	<b>3,660.34</b>

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 29



© 2007 - 2015 by ATC IP LLC. All rights reserved.

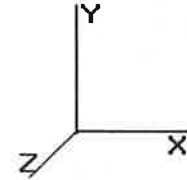
**Load Case:** 1.2D + 1.6W      110.00 mph with No Ice      33 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

### Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	169.49	348.61	0.00	0.00
2.00	168.90	347.84	0.00	0.00
3.00	168.31	408.31	0.00	0.00
4.00	167.72	407.54	0.00	0.00
5.00	167.14	406.76	0.00	0.00
6.00	166.55	405.99	0.00	0.00
7.00	165.96	405.22	0.00	0.00
8.00	165.37	404.44	0.00	0.00
9.00	164.78	403.67	0.00	0.00
10.00	164.20	402.90	0.00	0.00
11.00	163.61	402.13	0.00	0.00
12.00	163.02	401.35	0.00	0.00
13.00	162.43	400.58	0.00	0.00
14.00	161.84	399.81	0.00	0.00
15.00	161.25	399.04	0.00	0.00
16.00	160.67	398.26	0.00	0.00
17.00	160.08	397.49	0.00	0.00
18.00	159.49	396.72	0.00	0.00
19.00	158.90	334.70	0.00	0.00
20.00	158.31	333.93	0.00	0.00
21.00	157.73	333.16	0.00	0.00
22.00	157.14	332.39	0.00	0.00
23.00	156.55	331.61	0.00	0.00
24.00	155.96	330.84	0.00	0.00
25.00	155.37	330.07	0.00	0.00
26.00	154.79	329.30	0.00	0.00
27.00	154.20	328.52	0.00	0.00
28.00	153.61	327.75	0.00	0.00
29.00	153.02	326.98	0.00	0.00
30.00	152.55	326.20	0.00	0.00
31.00	153.33	325.43	0.00	0.00
31.50	77.29	163.51	0.00	0.00
32.00	77.63	228.03	0.00	0.00
33.00	157.16	458.05	0.00	0.00
34.00	157.83	456.63	0.00	0.00
35.00	158.46	455.22	0.00	0.00
35.67	106.37	304.20	0.00	0.00
36.00	52.42	98.52	0.00	0.00
37.00	159.62	298.12	0.00	0.00
38.00	160.15	297.48	0.00	0.00
39.00	160.65	296.83	0.00	0.00
40.00	161.12	296.19	0.00	0.00
41.00	161.57	295.54	0.00	0.00
42.00	161.98	294.90	0.00	0.00
43.00	162.37	294.25	0.00	0.00
44.00	162.73	293.61	0.00	0.00
45.00	163.06	292.96	0.00	0.00
46.00	163.37	292.32	0.00	0.00
47.00	163.66	291.68	0.00	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W      110.00 mph with No Ice      33 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

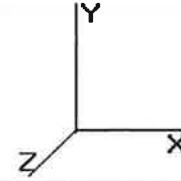
Wind Load Factor : 1.60

48.00	163.93	291.03	0.00	0.00
49.00	164.17	290.39	0.00	0.00
50.00	164.39	289.74	0.00	0.00
51.00	164.59	289.10	0.00	0.00
52.00	164.78	288.45	0.00	0.00
53.00	164.94	287.81	0.00	0.00
54.00	165.08	287.16	0.00	0.00
55.00	165.21	286.52	0.00	0.00
56.00	165.31	285.87	0.00	0.00
57.00	165.40	285.23	0.00	0.00
58.00	165.47	284.58	0.00	0.00
59.00	165.53	283.94	0.00	0.00
60.00	165.57	228.89	0.00	0.00
61.00	165.59	228.25	0.00	0.00
62.00	165.60	227.60	0.00	0.00
63.00	165.59	226.96	0.00	0.00
64.00	165.57	226.31	0.00	0.00
65.00	165.53	225.67	0.00	0.00
66.00	165.48	225.02	0.00	0.00
67.00	165.42	224.38	0.00	0.00
68.00	165.34	223.73	0.00	0.00
69.00	1,098.50	374.29	0.00	933.25
70.00	165.14	222.35	0.00	0.00
70.00	0.55	0.74	0.00	0.00
71.00	166.87	310.10	0.00	0.00
72.00	167.31	309.98	0.00	0.00
73.00	167.18	308.82	0.00	0.00
73.50	84.01	155.00	0.00	0.00
74.00	82.86	99.24	0.00	0.00
75.00	166.88	199.42	0.00	0.00
76.00	166.71	198.91	0.00	0.00
77.00	166.53	198.39	0.00	0.00
78.00	166.34	197.88	0.00	0.00
79.00	166.14	197.36	0.00	0.00
80.00	165.93	196.85	0.00	0.00
81.00	165.70	196.33	0.00	0.00
82.00	165.47	195.81	0.00	0.00
83.00	165.23	195.30	0.00	0.00
84.00	164.97	194.78	0.00	0.00
85.00	164.71	194.27	0.00	0.00
86.00	164.43	193.75	0.00	0.00
87.00	164.15	193.24	0.00	0.00
88.00	163.86	192.72	0.00	0.00
89.00	163.56	192.21	0.00	0.00
90.00	163.25	191.69	0.00	0.00
91.00	162.93	191.18	0.00	0.00
92.00	162.60	190.66	0.00	0.00
93.00	432.97	450.55	0.00	0.00
94.00	161.91	189.24	0.00	0.00
95.00	161.56	188.72	0.00	0.00
96.00	161.20	188.21	0.00	0.00
97.00	160.82	187.69	0.00	0.00
98.00	160.44	187.18	0.00	0.00
99.00	160.06	186.66	0.00	0.00
100.0	159.66	186.15	0.00	0.00
101.0	159.26	185.63	0.00	0.00
102.0	158.84	185.12	0.00	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 31



© 2007 - 2015 by ATC IP LLC. All rights reserved.

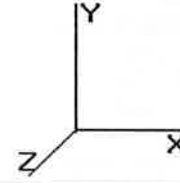
<b>Load Case:</b> 1.2D + 1.6W	110.00 mph with No Ice	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

103.0	586.86	465.40	0.00	0.00
104.0	158.04	183.29	0.00	0.00
105.0	157.63	182.78	0.00	0.00
106.0	157.21	182.26	0.00	0.00
107.0	156.79	181.75	0.00	0.00
108.0	156.36	181.23	0.00	0.00
109.0	155.92	180.72	0.00	0.00
110.0	155.47	180.20	0.00	0.00
110.0	0.52	0.60	0.00	0.00
111.0	154.50	162.23	0.00	0.00
112.0	154.56	162.38	0.00	0.00
113.0	3,135.65	1,554.48	0.00	0.00
114.0	153.62	150.98	0.00	0.00
115.0	153.14	150.59	0.00	0.00
116.0	152.65	150.20	0.00	0.00
117.0	152.16	149.82	0.00	0.00
118.0	151.66	149.43	0.00	0.00
119.0	151.15	149.04	0.00	0.00
120.0	150.64	94.26	0.00	0.00
121.0	150.12	93.87	0.00	0.00
122.0	149.60	93.48	0.00	0.00
123.0	149.06	93.09	0.00	0.00
124.0	137.23	87.79	0.00	0.00
125.0	136.64	87.40	0.00	0.00
126.0	136.05	87.01	0.00	0.00
127.0	135.44	86.62	0.00	0.00
128.0	134.84	86.24	0.00	0.00
129.0	134.22	85.85	0.00	0.00
130.0	1,652.67	1,098.98	0.00	0.00
131.0	132.98	75.63	0.00	0.00
132.0	132.35	75.24	0.00	0.00
133.0	131.71	74.86	0.00	0.00
134.0	131.07	74.47	0.00	0.00
135.0	130.43	74.08	0.00	0.00
136.0	129.78	73.69	0.00	0.00
137.0	129.12	73.31	0.00	0.00
138.0	128.46	72.92	0.00	0.00
139.0	127.79	72.53	0.00	0.00
140.0	2,382.43	1,603.95	0.00	0.00
141.0	80.32	58.75	0.00	0.00
142.0	79.72	58.36	0.00	0.00
143.0	79.11	57.98	0.00	0.00
144.0	78.50	57.59	0.00	0.00
145.0	77.89	57.20	0.00	0.00
146.0	77.27	56.81	0.00	0.00
147.0	76.65	56.43	0.00	0.00
148.0	76.03	56.04	0.00	0.00
149.0	75.40	55.65	0.00	0.00
150.0	4,411.03	3,938.10	0.00	7,079.77
<b>Totals:</b>	<b>35,575.18</b>	<b>42,984.21</b>	<b>0.00</b>	<b>8,013.02</b>

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 32



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 1.2D + 1.6W**      110.00 mph with No Ice      33 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

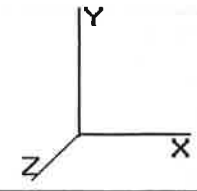
**Calculated Forces**

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	-42.96	-35.60	0.00	-3,413.32	0.00	3,413.32	3,133.66	1,566.83	4,776.46	2,358.91	0.00	0.00	0.683
1.00	-42.58	-35.47	0.00	-3,377.72	0.00	3,377.72	3,125.28	1,562.64	4,743.31	2,342.54	0.01	-0.06	0.679
2.00	-42.20	-35.34	0.00	-3,342.25	0.00	3,342.25	3,116.86	1,558.43	4,710.21	2,326.20	0.03	-0.12	0.674
3.00	-41.76	-35.21	0.00	-3,306.91	0.00	3,306.91	3,108.40	1,554.20	4,677.16	2,309.87	0.06	-0.17	0.558
4.00	-41.32	-35.08	0.00	-3,271.69	0.00	3,271.69	3,099.89	1,549.95	4,644.15	2,293.57	0.10	-0.22	0.554
5.00	-40.89	-34.94	0.00	-3,236.61	0.00	3,236.61	3,091.35	1,545.67	4,611.19	2,277.30	0.15	-0.27	0.550
6.00	-40.45	-34.81	0.00	-3,201.67	0.00	3,201.67	3,082.76	1,541.38	4,578.29	2,261.04	0.21	-0.32	0.546
7.00	-40.02	-34.67	0.00	-3,166.86	0.00	3,166.86	3,074.13	1,537.07	4,545.43	2,244.82	0.28	-0.36	0.542
8.00	-39.59	-34.54	0.00	-3,132.19	0.00	3,132.19	3,065.46	1,532.73	4,512.63	2,228.62	0.37	-0.41	0.538
9.00	-39.16	-34.40	0.00	-3,097.65	0.00	3,097.65	3,056.75	1,528.37	4,479.87	2,212.44	0.46	-0.46	0.534
10.00	-38.73	-34.27	0.00	-3,063.25	0.00	3,063.25	3,047.99	1,524.00	4,447.17	2,196.29	0.56	-0.51	0.530
11.00	-38.30	-34.13	0.00	-3,028.98	0.00	3,028.98	3,039.20	1,519.60	4,414.53	2,180.17	0.67	-0.55	0.526
12.00	-37.87	-34.00	0.00	-2,994.85	0.00	2,994.85	3,030.36	1,515.18	4,381.94	2,164.07	0.79	-0.60	0.522
13.00	-37.44	-33.86	0.00	-2,960.86	0.00	2,960.86	3,021.48	1,510.74	4,349.40	2,148.01	0.92	-0.65	0.517
14.00	-37.02	-33.72	0.00	-2,927.00	0.00	2,927.00	3,012.56	1,506.28	4,316.92	2,131.97	1.07	-0.70	0.513
15.00	-36.59	-33.59	0.00	-2,893.27	0.00	2,893.27	3,003.60	1,501.80	4,284.50	2,115.95	1.22	-0.74	0.509
16.00	-36.17	-33.45	0.00	-2,859.69	0.00	2,859.69	2,994.60	1,497.30	4,252.13	2,099.97	1.38	-0.79	0.505
17.00	-35.75	-33.31	0.00	-2,826.23	0.00	2,826.23	2,985.55	1,492.78	4,219.83	2,084.01	1.55	-0.84	0.501
18.00	-35.32	-33.18	0.00	-2,792.92	0.00	2,792.92	2,976.47	1,488.23	4,187.58	2,068.09	1.73	-0.88	0.497
18.00	-35.32	-33.18	0.00	-2,792.92	0.00	2,792.92	2,976.47	1,488.23	4,187.58	2,068.09	1.73	-0.88	0.598
19.00	-34.96	-33.05	0.00	-2,759.74	0.00	2,759.74	2,967.34	1,483.67	4,155.39	2,052.19	1.92	-0.93	0.594
20.00	-34.60	-32.92	0.00	-2,726.70	0.00	2,726.70	2,958.17	1,479.08	4,123.27	2,036.33	2.12	-0.99	0.589
21.00	-34.24	-32.79	0.00	-2,693.78	0.00	2,693.78	2,948.96	1,474.48	4,091.20	2,020.49	2.34	-1.04	0.584
22.00	-33.88	-32.65	0.00	-2,661.00	0.00	2,661.00	2,939.70	1,469.85	4,059.20	2,004.69	2.56	-1.10	0.579
23.00	-33.52	-32.52	0.00	-2,628.34	0.00	2,628.34	2,930.41	1,465.20	4,027.26	1,988.91	2.80	-1.15	0.574
24.00	-33.16	-32.39	0.00	-2,595.82	0.00	2,595.82	2,921.07	1,460.54	3,995.39	1,973.17	3.04	-1.21	0.569
25.00	-32.80	-32.26	0.00	-2,563.43	0.00	2,563.43	2,911.70	1,455.85	3,963.58	1,957.46	3.30	-1.26	0.565
26.00	-32.44	-32.13	0.00	-2,531.16	0.00	2,531.16	2,902.28	1,451.14	3,931.84	1,941.79	3.58	-1.32	0.560
27.00	-32.09	-32.00	0.00	-2,499.03	0.00	2,499.03	2,892.81	1,446.41	3,900.17	1,926.14	3.86	-1.38	0.555
28.00	-31.73	-31.87	0.00	-2,467.03	0.00	2,467.03	2,883.31	1,441.66	3,868.56	1,910.54	4.15	-1.43	0.550
29.00	-31.38	-31.74	0.00	-2,435.16	0.00	2,435.16	2,873.77	1,436.88	3,837.02	1,894.96	4.46	-1.48	0.545
30.00	-31.03	-31.61	0.00	-2,403.43	0.00	2,403.43	2,864.18	1,432.09	3,805.55	1,879.42	4.78	-1.54	0.540
31.00	-30.68	-31.47	0.00	-2,371.82	0.00	2,371.82	2,854.56	1,427.28	3,774.15	1,863.91	5.11	-1.59	0.535
31.50	-30.51	-31.40	0.00	-2,355.98	0.00	2,355.98	2,849.69	1,424.85	3,758.37	1,856.12	5.27	-1.62	0.533
32.00	-30.26	-31.34	0.00	-2,340.39	0.00	2,340.39	2,844.89	1,422.44	3,742.82	1,848.44	5.45	-1.65	0.521
33.00	-29.78	-31.19	0.00	-2,309.05	0.00	2,309.05	2,833.37	1,416.69	3,709.20	1,831.83	5.80	-1.70	0.517
34.00	-29.30	-31.05	0.00	-2,277.86	0.00	2,277.86	2,819.42	1,409.71	3,672.56	1,813.74	6.16	-1.76	0.512
35.00	-28.82	-30.90	0.00	-2,246.81	0.00	2,246.81	2,805.48	1,402.74	3,636.10	1,795.73	6.53	-1.81	0.508
35.67	-28.51	-30.80	0.00	-2,226.11	0.00	2,226.11	2,236.04	1,118.02	2,957.95	1,460.82	6.79	-1.84	0.575
36.00	-28.39	-30.76	0.00	-2,215.94	0.00	2,215.94	2,233.84	1,116.92	2,950.23	1,457.01	6.92	-1.86	0.573
37.00	-28.07	-30.62	0.00	-2,185.19	0.00	2,185.19	2,227.15	1,113.58	2,926.88	1,445.48	7.31	-1.92	0.567
38.00	-27.75	-30.47	0.00	-2,154.57	0.00	2,154.57	2,220.42	1,110.21	2,903.56	1,433.96	7.72	-1.97	0.561
39.00	-27.43	-30.33	0.00	-2,124.10	0.00	2,124.10	2,213.65	1,106.83	2,880.28	1,422.46	8.14	-2.03	0.555
40.00	-27.11	-30.18	0.00	-2,093.77	0.00	2,093.77	2,206.84	1,103.42	2,857.02	1,410.98	8.57	-2.08	0.549
41.00	-26.79	-30.03	0.00	-2,063.59	0.00	2,063.59	2,199.98	1,099.99	2,833.81	1,399.51	9.01	-2.13	0.543
42.00	-26.48	-29.89	0.00	-2,033.55	0.00	2,033.55	2,193.09	1,096.54	2,810.63	1,388.06	9.47	-2.19	0.537
43.00	-26.16	-29.74	0.00	-2,003.67	0.00	2,003.67	2,186.15	1,093.07	2,787.48	1,376.63	9.93	-2.24	0.531
44.00	-25.85	-29.59	0.00	-1,973.93	0.00	1,973.93	2,179.17	1,089.58	2,764.38	1,365.22	10.41	-2.29	0.525
45.00	-25.53	-29.44	0.00	-1,944.35	0.00	1,944.35	2,172.15	1,086.07	2,741.31	1,353.83	10.89	-2.35	0.518
46.00	-25.22	-29.28	0.00	-1,914.91	0.00	1,914.91	2,165.08	1,082.54	2,718.28	1,342.46	11.39	-2.40	0.512
47.00	-24.91	-29.13	0.00	-1,885.63	0.00	1,885.63	2,157.98	1,078.99	2,695.29	1,331.10	11.90	-2.45	0.506

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 33



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W      110.00 mph with No Ice      33 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

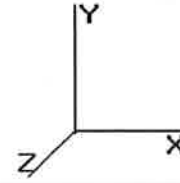
Wind Load Factor : 1.60

48.00	-24.60	-28.98	0.00	-1,856.50	0.00	1,856.50	2,150.84	1,075.42	2,672.35	1,319.77	12.42	-2.51	0.500
49.00	-24.29	-28.82	0.00	-1,827.52	0.00	1,827.52	2,143.65	1,071.82	2,649.44	1,308.46	12.95	-2.56	0.494
50.00	-23.98	-28.67	0.00	-1,798.70	0.00	1,798.70	2,136.42	1,068.21	2,626.58	1,297.17	13.49	-2.61	0.488
51.00	-23.68	-28.51	0.00	-1,770.03	0.00	1,770.03	2,129.15	1,064.57	2,603.76	1,285.90	14.05	-2.66	0.482
52.00	-23.37	-28.35	0.00	-1,741.52	0.00	1,741.52	2,121.84	1,060.92	2,580.99	1,274.65	14.61	-2.71	0.476
53.00	-23.07	-28.19	0.00	-1,713.17	0.00	1,713.17	2,114.48	1,057.24	2,558.26	1,263.43	15.18	-2.76	0.470
54.00	-22.76	-28.04	0.00	-1,684.98	0.00	1,684.98	2,107.09	1,053.54	2,535.57	1,252.22	15.77	-2.81	0.464
55.00	-22.46	-27.88	0.00	-1,656.94	0.00	1,656.94	2,099.65	1,049.82	2,512.93	1,241.04	16.36	-2.86	0.458
56.00	-22.16	-27.72	0.00	-1,629.06	0.00	1,629.06	2,092.17	1,046.09	2,490.35	1,229.89	16.97	-2.91	0.452
57.00	-21.86	-27.56	0.00	-1,601.35	0.00	1,601.35	2,084.65	1,042.33	2,467.80	1,218.76	17.58	-2.96	0.445
58.00	-21.56	-27.39	0.00	-1,573.79	0.00	1,573.79	2,077.09	1,038.54	2,445.31	1,207.65	18.21	-3.01	0.439
59.00	-21.26	-27.23	0.00	-1,546.40	0.00	1,546.40	2,069.49	1,034.74	2,422.87	1,196.56	18.85	-3.06	0.433
59.00	-21.26	-27.23	0.00	-1,546.40	0.00	1,546.40	2,069.49	1,034.74	2,422.87	1,196.56	18.85	-3.06	0.604
60.00	-21.01	-27.08	0.00	-1,519.17	0.00	1,519.17	2,061.84	1,030.92	2,400.48	1,185.51	19.49	-3.11	0.596
61.00	-20.76	-26.92	0.00	-1,492.10	0.00	1,492.10	2,054.15	1,027.08	2,378.14	1,174.47	20.15	-3.18	0.588
62.00	-20.51	-26.77	0.00	-1,465.17	0.00	1,465.17	2,046.43	1,023.21	2,355.85	1,163.47	20.83	-3.25	0.580
63.00	-20.27	-26.61	0.00	-1,438.41	0.00	1,438.41	2,038.66	1,019.33	2,333.61	1,152.48	21.51	-3.31	0.572
64.00	-20.02	-26.46	0.00	-1,411.80	0.00	1,411.80	2,030.85	1,015.42	2,311.43	1,141.53	22.22	-3.38	0.564
65.00	-19.77	-26.30	0.00	-1,385.34	0.00	1,385.34	2,022.99	1,011.50	2,289.31	1,130.60	22.93	-3.44	0.556
66.00	-19.53	-26.14	0.00	-1,359.04	0.00	1,359.04	2,015.10	1,007.55	2,267.24	1,119.70	23.66	-3.51	0.548
67.00	-19.29	-25.99	0.00	-1,332.89	0.00	1,332.89	2,007.16	1,003.58	2,245.22	1,108.83	24.40	-3.58	0.540
68.00	-19.05	-25.83	0.00	-1,306.91	0.00	1,306.91	1,999.18	999.59	2,223.27	1,097.99	25.16	-3.64	0.532
69.00	-18.71	-24.73	0.00	-1,280.14	0.00	1,280.14	1,991.17	995.58	2,201.37	1,087.17	25.93	-3.70	0.523
70.00	-18.49	-24.56	0.00	-1,255.41	0.00	1,255.41	1,983.10	991.55	2,179.53	1,076.39	26.71	-3.77	0.516
70.00	-18.48	-24.57	0.00	-1,255.33	0.00	1,255.33	1,983.08	991.54	2,179.46	1,076.35	26.71	-3.77	0.516
71.00	-18.15	-24.40	0.00	-1,230.84	0.00	1,230.84	1,973.67	986.83	2,156.29	1,064.91	27.50	-3.83	0.501
72.00	-17.83	-24.23	0.00	-1,206.44	0.00	1,206.44	1,962.03	981.01	2,130.78	1,052.31	28.31	-3.89	0.494
73.00	-17.51	-24.06	0.00	-1,182.21	0.00	1,182.21	1,950.39	975.19	2,105.42	1,039.79	29.13	-3.95	0.487
73.50	-17.35	-23.98	0.00	-1,170.10	0.00	1,170.10	1,462.66	731.33	1,612.14	796.18	29.55	-3.98	0.571
74.00	-17.24	-23.90	0.00	-1,158.19	0.00	1,158.19	1,460.16	730.08	1,604.66	792.48	29.97	-4.01	0.566
75.00	-17.02	-23.74	0.00	-1,134.29	0.00	1,134.29	1,455.09	727.55	1,589.60	785.05	30.82	-4.08	0.556
76.00	-16.81	-23.58	0.00	-1,110.55	0.00	1,110.55	1,449.99	724.99	1,574.57	777.62	31.68	-4.14	0.547
77.00	-16.60	-23.41	0.00	-1,086.97	0.00	1,086.97	1,444.84	722.42	1,559.56	770.21	32.55	-4.20	0.537
78.00	-16.39	-23.25	0.00	-1,063.56	0.00	1,063.56	1,439.65	719.82	1,544.57	762.81	33.44	-4.27	0.527
79.00	-16.18	-23.09	0.00	-1,040.31	0.00	1,040.31	1,434.42	717.21	1,529.61	755.42	34.34	-4.33	0.518
80.00	-15.97	-22.92	0.00	-1,017.22	0.00	1,017.22	1,429.14	714.57	1,514.67	748.04	35.25	-4.39	0.508
81.00	-15.77	-22.76	0.00	-994.30	0.00	994.30	1,423.83	711.91	1,499.76	740.67	36.18	-4.45	0.498
82.00	-15.56	-22.60	0.00	-971.54	0.00	971.54	1,418.47	709.24	1,484.87	733.32	37.11	-4.51	0.488
83.00	-15.36	-22.43	0.00	-948.94	0.00	948.94	1,413.07	706.54	1,470.00	725.98	38.06	-4.57	0.479
84.00	-15.15	-22.27	0.00	-926.51	0.00	926.51	1,407.64	703.82	1,455.17	718.65	39.03	-4.62	0.469
85.00	-14.95	-22.10	0.00	-904.24	0.00	904.24	1,402.15	701.08	1,440.36	711.34	40.00	-4.68	0.460
86.00	-14.75	-21.94	0.00	-882.14	0.00	882.14	1,396.63	698.32	1,425.58	704.04	40.99	-4.74	0.450
87.00	-14.55	-21.77	0.00	-860.20	0.00	860.20	1,391.07	695.53	1,410.84	696.76	41.98	-4.79	0.440
88.00	-14.35	-21.61	0.00	-838.43	0.00	838.43	1,385.46	692.73	1,396.12	689.49	42.99	-4.85	0.431
89.00	-14.15	-21.44	0.00	-816.83	0.00	816.83	1,379.82	689.91	1,381.43	682.24	44.02	-4.90	0.421
90.00	-13.96	-21.27	0.00	-795.39	0.00	795.39	1,374.13	687.06	1,366.78	675.00	45.05	-4.96	0.412
91.00	-13.76	-21.11	0.00	-774.11	0.00	774.11	1,368.40	684.20	1,352.16	667.78	46.09	-5.01	0.402
92.00	-13.56	-20.94	0.00	-753.00	0.00	753.00	1,362.62	681.31	1,337.57	660.58	47.15	-5.06	0.393
93.00	-13.14	-20.48	0.00	-732.06	0.00	732.06	1,356.81	678.41	1,323.02	653.39	48.21	-5.12	0.383
94.00	-12.94	-20.31	0.00	-711.58	0.00	711.58	1,350.95	675.48	1,308.50	646.22	49.29	-5.17	0.374
95.00	-12.75	-20.15	0.00	-691.27	0.00	691.27	1,345.06	672.53	1,294.02	639.07	50.37	-5.22	0.364
96.00	-12.56	-19.98	0.00	-671.12	0.00	671.12	1,339.12	669.56	1,279.58	631.94	51.47	-5.26	0.355
97.00	-12.38	-19.81	0.00	-651.14	0.00	651.14	1,333.14	666.57	1,265.17	624.82	52.58	-5.31	0.346
98.00	-12.19	-19.65	0.00	-631.33	0.00	631.33	1,327.12	663.56	1,250.81	617.73	53.69	-5.36	0.336
99.00	-12.00	-19.48	0.00	-611.68	0.00	611.68	1,321.05	660.53	1,236.48	610.65	54.82	-5.41	0.327
100.00	-11.82	-19.31	0.00	-592.20	0.00	592.20	1,314.95	657.47	1,222.19	603.60	55.96	-5.45	0.318
101.00	-11.63	-19.14	0.00	-572.89	0.00	572.89	1,308.80	654.40	1,207.95	596.56	57.10	-5.50	0.309

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 34



© 2007 - 2015 by ATC IP LLC. All rights reserved.

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

**110.00 mph with No Ice**

**33 Iterations**

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

Wind Importance Factor : 1.00

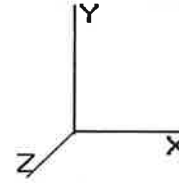
102.00	-11.45	-18.98	0.00	-553.75	0.00	553.75	1,302.62	651.31	1,193.75	589.55	58.26	-5.54	0.299
103.00	-11.03	-18.36	0.00	-534.77	0.00	534.77	1,296.39	648.19	1,179.59	582.55	59.42	-5.58	0.290
104.00	-10.85	-18.19	0.00	-516.41	0.00	516.41	1,290.11	645.06	1,165.47	575.58	60.59	-5.62	0.281
105.00	-10.67	-18.02	0.00	-498.22	0.00	498.22	1,283.80	641.90	1,151.40	568.63	61.78	-5.67	0.272
106.00	-10.49	-17.85	0.00	-480.20	0.00	480.20	1,277.45	638.72	1,137.37	561.70	62.96	-5.70	0.264
107.00	-10.32	-17.69	0.00	-462.35	0.00	462.35	1,271.05	635.53	1,123.39	554.80	64.16	-5.74	0.255
108.00	-10.14	-17.52	0.00	-444.66	0.00	444.66	1,264.61	632.31	1,109.46	547.92	65.37	-5.78	0.246
109.00	-9.96	-17.35	0.00	-427.14	0.00	427.14	1,256.49	628.25	1,094.14	540.35	66.58	-5.82	0.238
110.00	-9.80	-17.18	0.00	-409.79	0.00	409.79	1,247.19	623.60	1,077.91	532.34	67.80	-5.85	0.229
110.00	-9.79	-17.19	0.00	-409.73	0.00	409.73	1,247.16	623.58	1,077.86	532.31	67.81	-5.85	0.229
110.00	-9.79	-17.19	0.00	-409.73	0.00	409.73	849.80	424.90	738.78	364.86	67.81	-5.85	0.274
111.00	-9.63	-17.02	0.00	-392.60	0.00	392.60	846.28	423.14	730.22	360.63	69.03	-5.89	0.263
112.00	-9.48	-16.86	0.00	-375.58	0.00	375.58	842.69	421.35	721.63	356.39	70.27	-5.93	0.252
113.00	-8.25	-13.58	0.00	-358.73	0.00	358.73	839.07	419.54	713.06	352.15	71.51	-5.96	0.240
114.00	-8.11	-13.42	0.00	-345.14	0.00	345.14	835.41	417.70	704.50	347.92	72.76	-6.00	0.232
115.00	-7.96	-13.25	0.00	-331.73	0.00	331.73	831.70	415.85	695.95	343.70	74.02	-6.03	0.223
116.00	-7.82	-13.09	0.00	-318.47	0.00	318.47	827.95	413.98	687.42	339.49	75.28	-6.06	0.215
117.00	-7.68	-12.93	0.00	-305.38	0.00	305.38	824.16	412.08	678.90	335.28	76.56	-6.09	0.206
118.00	-7.54	-12.77	0.00	-292.45	0.00	292.45	820.33	410.17	670.39	331.08	77.83	-6.12	0.198
119.00	-7.41	-12.60	0.00	-279.69	0.00	279.69	816.46	408.23	661.91	326.89	79.12	-6.15	0.190
119.00	-7.41	-12.60	0.00	-279.69	0.00	279.69	816.46	408.23	661.91	326.89	79.12	-6.15	0.866
120.00	-7.31	-12.45	0.00	-267.09	0.00	267.09	812.54	406.27	653.43	322.71	80.41	-6.18	0.838
121.00	-7.21	-12.31	0.00	-254.63	0.00	254.63	808.59	404.29	644.98	318.53	81.71	-6.31	0.809
122.00	-7.10	-12.17	0.00	-242.32	0.00	242.32	804.59	402.30	636.55	314.37	83.05	-6.44	0.781
123.00	-7.00	-12.02	0.00	-230.16	0.00	230.16	800.55	400.28	628.13	310.21	84.41	-6.56	0.752
124.00	-6.91	-11.89	0.00	-218.13	0.00	218.13	796.47	398.24	619.74	306.07	85.79	-6.68	0.722
125.00	-6.81	-11.76	0.00	-206.24	0.00	206.24	792.35	396.17	611.37	301.93	87.20	-6.79	0.693
126.00	-6.72	-11.63	0.00	-194.49	0.00	194.49	788.19	394.09	603.01	297.81	88.63	-6.91	0.662
127.00	-6.63	-11.49	0.00	-182.86	0.00	182.86	783.98	391.99	594.69	293.69	90.09	-7.02	0.632
128.00	-6.54	-11.36	0.00	-171.37	0.00	171.37	779.73	389.87	586.38	289.59	91.56	-7.12	0.601
129.00	-6.45	-11.23	0.00	-160.01	0.00	160.01	775.44	387.72	578.10	285.50	93.06	-7.22	0.570
130.00	-5.56	-9.46	0.00	-148.78	0.00	148.78	771.11	385.56	569.85	281.43	94.58	-7.32	0.536
131.00	-5.48	-9.33	0.00	-139.32	0.00	139.32	766.74	383.37	561.62	277.36	96.12	-7.41	0.510
132.00	-5.41	-9.19	0.00	-130.00	0.00	130.00	762.33	381.16	553.41	273.31	97.68	-7.50	0.483
133.00	-5.34	-9.06	0.00	-120.81	0.00	120.81	757.87	378.94	545.24	269.27	99.25	-7.58	0.456
134.00	-5.27	-8.93	0.00	-111.75	0.00	111.75	753.38	376.69	537.09	265.25	100.84	-7.66	0.429
135.00	-5.21	-8.79	0.00	-102.82	0.00	102.82	748.84	374.42	528.98	261.24	102.45	-7.74	0.401
136.00	-5.14	-8.66	0.00	-94.03	0.00	94.03	744.26	372.13	520.89	257.25	104.08	-7.81	0.373
137.00	-5.08	-8.53	0.00	-85.36	0.00	85.36	739.64	369.82	512.83	253.27	105.71	-7.87	0.344
138.00	-5.01	-8.40	0.00	-76.83	0.00	76.83	734.98	367.49	504.81	249.31	107.36	-7.94	0.316
139.00	-4.95	-8.27	0.00	-68.44	0.00	68.44	730.27	365.14	496.82	245.36	109.03	-7.99	0.286
140.00	-3.69	-5.69	0.00	-60.17	0.00	60.17	725.52	362.76	488.86	241.43	110.70	-8.05	0.255
141.00	-3.64	-5.60	0.00	-54.48	0.00	54.48	720.74	360.37	480.93	237.51	112.39	-8.10	0.235
142.00	-3.59	-5.52	0.00	-48.88	0.00	48.88	715.91	357.95	473.04	233.62	114.08	-8.14	0.214
143.00	-3.54	-5.43	0.00	-43.36	0.00	43.36	709.92	354.96	464.46	229.38	115.79	-8.18	0.194
144.00	-3.49	-5.35	0.00	-37.93	0.00	37.93	702.92	351.46	455.30	224.86	117.50	-8.22	0.174
145.00	-3.44	-5.27	0.00	-32.58	0.00	32.58	695.93	347.97	446.23	220.38	119.22	-8.25	0.153
146.00	-3.39	-5.18	0.00	-27.32	0.00	27.32	688.94	344.47	437.26	215.95	120.94	-8.28	0.132
147.00	-3.35	-5.10	0.00	-22.13	0.00	22.13	681.95	340.97	428.38	211.56	122.68	-8.30	0.110
148.00	-3.30	-5.02	0.00	-17.03	0.00	17.03	674.96	337.48	419.58	207.22	124.41	-8.33	0.087
149.00	-3.26	-4.94	0.00	-12.02	0.00	12.02	667.96	333.98	410.88	202.92	126.15	-8.34	0.064
150.00	0.00	-4.41	0.00	-7.08	0.00	7.08	660.97	330.49	402.27	198.67	127.89	-8.35	0.036



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 35



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      110.00 mph with No Ice (Reduced DL)      32 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

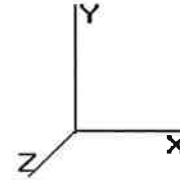
**Shaft Segment Forces (Factored)**

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 (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	20.599	22.65	296.79	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	20.599	22.65	295.55	1.200	* 0.000	1.00	3.218	3.86	140.0	0.0	245.4
2.00	Reinf Bottom Reinf	1.00	0.70	20.599	22.65	294.30	1.200	* 0.000	1.00	3.205	3.85	139.4	0.0	244.8
3.00		1.00	0.70	20.599	22.65	293.06	1.200	* 0.000	1.00	3.191	3.83	138.8	0.0	305.4
4.00		1.00	0.70	20.599	22.65	291.81	1.200	* 0.000	1.00	3.178	3.81	138.2	0.0	304.9
5.00		1.00	0.70	20.599	22.65	290.57	1.200	* 0.000	1.00	3.164	3.80	137.7	0.0	304.3
6.00		1.00	0.70	20.599	22.65	289.32	1.200	* 0.000	1.00	3.151	3.78	137.1	0.0	303.7
7.00		1.00	0.70	20.599	22.65	288.08	1.200	* 0.000	1.00	3.137	3.76	136.5	0.0	303.1
8.00		1.00	0.70	20.599	22.65	286.84	1.200	* 0.000	1.00	3.123	3.75	135.9	0.0	302.5
9.00		1.00	0.70	20.599	22.65	285.59	1.200	* 0.000	1.00	3.110	3.73	135.3	0.0	302.0
10.00		1.00	0.70	20.599	22.65	284.35	1.200	* 0.000	1.00	3.096	3.72	134.7	0.0	301.4
11.00		1.00	0.70	20.599	22.65	283.10	1.200	* 0.000	1.00	3.083	3.70	134.1	0.0	300.8
12.00		1.00	0.70	20.599	22.65	281.86	1.200	* 0.000	1.00	3.069	3.68	133.5	0.0	300.2
13.00		1.00	0.70	20.599	22.65	280.62	1.200	* 0.000	1.00	3.056	3.67	132.9	0.0	299.6
14.00		1.00	0.70	20.599	22.65	279.37	1.200	* 0.000	1.00	3.042	3.65	132.4	0.0	299.1
15.00		1.00	0.70	20.599	22.65	278.13	1.200	* 0.000	1.00	3.029	3.63	131.8	0.0	298.5
16.00		1.00	0.70	20.599	22.65	276.88	1.200	* 0.000	1.00	3.015	3.62	131.2	0.0	297.9
17.00		1.00	0.70	20.599	22.65	275.64	1.200	* 0.000	1.00	3.002	3.60	130.6	0.0	297.3
18.00	Reinf. Top Reinf. Top	1.00	0.70	20.599	22.65	274.39	1.200	* 0.000	1.00	2.988	3.59	130.0	0.0	296.7
19.00		1.00	0.70	20.599	22.65	273.15	1.200	* 0.000	1.00	2.975	3.57	129.4	0.0	234.9
20.00		1.00	0.70	20.599	22.65	271.91	1.200	* 0.000	1.00	2.961	3.55	128.8	0.0	234.3
21.00		1.00	0.70	20.599	22.65	270.66	1.200	* 0.000	1.00	2.948	3.54	128.2	0.0	233.8
22.00		1.00	0.70	20.599	22.65	269.42	1.200	* 0.000	1.00	2.934	3.52	127.7	0.0	233.2
23.00		1.00	0.70	20.599	22.65	268.17	1.200	* 0.000	1.00	2.921	3.50	127.1	0.0	232.6
24.00		1.00	0.70	20.599	22.65	266.93	1.200	* 0.000	1.00	2.907	3.49	126.5	0.0	232.0
25.00		1.00	0.70	20.599	22.65	265.69	1.200	* 0.000	1.00	2.894	3.47	125.9	0.0	231.4
26.00		1.00	0.70	20.599	22.65	264.44	1.200	* 0.000	1.00	2.880	3.46	125.3	0.0	230.9
27.00		1.00	0.70	20.599	22.65	263.20	1.200	* 0.000	1.00	2.867	3.44	124.7	0.0	230.3
28.00		1.00	0.70	20.599	22.65	261.95	1.200	* 0.000	1.00	2.853	3.42	124.1	0.0	229.7
29.00		1.00	0.70	20.599	22.65	260.71	1.200	* 0.000	1.00	2.840	3.41	123.5	0.0	229.1
30.00		1.00	0.70	20.616	22.67	259.57	1.200	* 0.000	1.00	2.826	3.39	123.1	0.0	228.5
31.00		1.00	0.70	20.810	22.89	259.54	1.200	* 0.000	1.00	2.813	3.38	123.6	0.0	228.0
31.50	Bot - Section 2	1.00	0.71	20.906	22.99	259.51	1.200	* 0.000	0.50	1.411	1.69	62.3	0.0	114.5
32.00		1.00	0.71	21.000	23.10	259.47	1.200	* 0.000	0.50	1.415	1.70	62.8	0.0	163.0
33.00		1.00	0.72	21.186	23.30	259.35	1.200	* 0.000	1.00	2.840	3.41	127.1	0.0	327.4
34.00		1.00	0.72	21.367	23.50	259.19	1.200	* 0.000	1.00	2.826	3.39	127.5	0.0	326.4
35.00		1.00	0.73	21.545	23.69	258.99	1.200	* 0.000	1.00	2.812	3.37	128.0	0.0	325.3
35.67	Top - Section 1	1.00	0.73	21.662	23.82	258.84	1.200	* 0.000	0.67	1.877	2.25	85.9	0.0	217.4
36.00		1.00	0.73	21.719	23.89	263.86	1.200	* 0.000	0.33	0.922	1.11	42.3	0.0	68.6
37.00		1.00	0.74	21.890	24.07	263.61	1.200	* 0.000	1.00	2.785	3.34	128.8	0.0	207.5
38.00		1.00	0.75	22.057	24.26	263.33	1.200	* 0.000	1.00	2.772	3.33	129.1	0.0	207.0
39.00		1.00	0.75	22.221	24.44	263.02	1.200	* 0.000	1.00	2.758	3.31	129.5	0.0	206.5
40.00		1.00	0.76	22.383	24.62	262.68	1.200	* 0.000	1.00	2.745	3.29	129.8	0.0	206.0
41.00		1.00	0.76	22.541	24.79	262.30	1.200	* 0.000	1.00	2.731	3.28	130.0	0.0	205.6
42.00		1.00	0.77	22.697	24.96	261.90	1.200	* 0.000	1.00	2.718	3.26	130.3	0.0	205.1
43.00		1.00	0.77	22.850	25.13	261.47	1.200	* 0.000	1.00	2.704	3.25	130.5	0.0	204.6
44.00		1.00	0.78	23.000	25.30	261.02	1.200	* 0.000	1.00	2.691	3.23	130.7	0.0	204.1
45.00		1.00	0.78	23.149	25.46	260.54	1.200	* 0.000	1.00	2.677	3.21	130.9	0.0	203.6
46.00		1.00	0.79	23.294	25.62	260.03	1.200	* 0.000	1.00	2.664	3.20	131.1	0.0	203.1
47.00		1.00	0.79	23.438	25.78	259.51	1.200	* 0.000	1.00	2.650	3.18	131.2	0.0	202.7
48.00		1.00	0.80	23.579	25.93	258.96	1.200	* 0.000	1.00	2.637	3.16	131.3	0.0	202.2

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 36



© 2007 - 2015 by ATC IP LLC. All rights reserved.

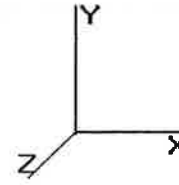
<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>32 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

49.00		1.00	0.80	23.719	26.09	258.39	1.200	* 0.000	1.00	2.623	3.15	131.4	0.0	201.7
50.00		1.00	0.81	23.856	26.24	257.80	1.200	* 0.000	1.00	2.610	3.13	131.5	0.0	201.2
51.00		1.00	0.81	23.991	26.39	257.18	1.200	* 0.000	1.00	2.596	3.12	131.5	0.0	200.7
52.00		1.00	0.82	24.125	26.53	256.55	1.200	* 0.000	1.00	2.583	3.10	131.6	0.0	200.2
53.00		1.00	0.82	24.257	26.68	255.90	1.200	* 0.000	1.00	2.569	3.08	131.6	0.0	199.7
54.00		1.00	0.82	24.386	26.82	255.23	1.200	* 0.000	1.00	2.556	3.07	131.6	0.0	199.3
55.00		1.00	0.83	24.515	26.96	254.54	1.200	* 0.000	1.00	2.542	3.05	131.6	0.0	198.8
56.00		1.00	0.83	24.641	27.10	253.84	1.200	* 0.000	1.00	2.529	3.03	131.6	0.0	198.3
57.00		1.00	0.84	24.766	27.24	253.12	1.200	* 0.000	1.00	2.515	3.02	131.6	0.0	197.8
58.00		1.00	0.84	24.889	27.37	252.38	1.200	* 0.000	1.00	2.502	3.00	131.5	0.0	197.3
59.00	Reinf. Top	1.00	0.85	25.011	27.51	251.62	1.200	* 0.000	1.00	2.488	2.99	131.4	0.0	196.8
60.00		1.00	0.85	25.132	27.64	250.86	1.200	* 0.000	1.00	2.475	2.97	131.3	0.0	142.0
61.00		1.00	0.85	25.251	27.77	250.07	1.200	* 0.000	1.00	2.461	2.95	131.2	0.0	141.5
62.00		1.00	0.86	25.368	27.90	249.27	1.200	* 0.000	1.00	2.447	2.94	131.1	0.0	141.0
63.00		1.00	0.86	25.485	28.03	248.46	1.200	* 0.000	1.00	2.434	2.92	131.0	0.0	140.5
64.00		1.00	0.87	25.599	28.15	247.63	1.200	* 0.000	1.00	2.420	2.90	130.9	0.0	140.0
65.00		1.00	0.87	25.713	28.28	246.79	1.200	* 0.000	1.00	2.407	2.89	130.7	0.0	139.5
66.00		1.00	0.87	25.825	28.40	245.94	1.200	* 0.000	1.00	2.393	2.87	130.5	0.0	139.1
67.00		1.00	0.88	25.937	28.53	245.07	1.200	* 0.000	1.00	2.380	2.86	130.4	0.0	138.6
68.00		1.00	0.88	26.047	28.65	244.19	1.200	* 0.000	1.00	2.366	2.84	130.2	0.0	138.1
69.00	Appertunance(s)	1.00	0.88	26.156	28.77	243.30	1.200	* 0.000	1.00	2.353	2.82	130.0	0.0	137.6
70.00		1.00	0.89	26.263	28.89	242.39	1.200	* 0.000	1.00	2.339	2.81	129.8	0.0	137.1
70.00	Bot - Section 3	1.00	0.89	26.264	28.89	242.39	1.200	* 0.000	0.00	0.008	0.01	0.4	0.0	0.5
71.00		1.00	0.89	26.370	29.00	241.48	1.200	* 0.000	1.00	2.361	2.83	131.5	0.0	203.0
72.00		1.00	0.90	26.476	29.12	240.55	1.200	* 0.000	1.00	2.355	2.83	131.7	0.0	202.9
73.00		1.00	0.90	26.580	29.23	239.61	1.200	* 0.000	1.00	2.342	2.81	131.5	0.0	202.0
73.50	Top - Section 2	1.00	0.90	26.632	29.29	239.13	1.200	* 0.000	0.50	1.174	1.41	66.0	0.0	101.3
74.00		1.00	0.90	26.684	29.35	243.18	1.200	* 0.000	0.50	1.155	1.39	65.1	0.0	59.7
75.00		1.00	0.91	26.786	29.46	242.23	1.200	* 0.000	1.00	2.315	2.78	131.0	0.0	119.9
76.00		1.00	0.91	26.888	29.57	241.26	1.200	* 0.000	1.00	2.301	2.76	130.7	0.0	119.5
77.00		1.00	0.91	26.988	29.68	240.29	1.200	* 0.000	1.00	2.288	2.75	130.4	0.0	119.2
78.00		1.00	0.92	27.088	29.79	239.31	1.200	* 0.000	1.00	2.274	2.73	130.1	0.0	118.8
79.00		1.00	0.92	27.187	29.90	238.31	1.200	* 0.000	1.00	2.261	2.71	129.8	0.0	118.4
80.00		1.00	0.92	27.285	30.01	237.31	1.200	* 0.000	1.00	2.247	2.70	129.5	0.0	118.0
81.00		1.00	0.93	27.382	30.12	236.30	1.200	* 0.000	1.00	2.234	2.68	129.2	0.0	117.6
82.00		1.00	0.93	27.478	30.22	235.27	1.200	* 0.000	1.00	2.220	2.66	128.8	0.0	117.2
83.00		1.00	0.93	27.573	30.33	234.24	1.200	* 0.000	1.00	2.207	2.65	128.5	0.0	116.8
84.00		1.00	0.94	27.668	30.43	233.20	1.200	* 0.000	1.00	2.193	2.63	128.2	0.0	116.5
85.00		1.00	0.94	27.761	30.53	232.15	1.200	* 0.000	1.00	2.180	2.62	127.8	0.0	116.1
86.00		1.00	0.94	27.854	30.64	231.09	1.200	* 0.000	1.00	2.166	2.60	127.4	0.0	115.7
87.00		1.00	0.95	27.946	30.74	230.03	1.200	* 0.000	1.00	2.153	2.58	127.1	0.0	115.3
88.00		1.00	0.95	28.038	30.84	228.95	1.200	* 0.000	1.00	2.139	2.57	126.7	0.0	114.9
89.00		1.00	0.95	28.129	30.94	227.87	1.200	* 0.000	1.00	2.126	2.55	126.3	0.0	114.5
90.00		1.00	0.95	28.219	31.04	226.77	1.200	* 0.000	1.00	2.112	2.53	125.9	0.0	114.1
91.00		1.00	0.96	28.308	31.13	225.67	1.200	* 0.000	1.00	2.099	2.52	125.5	0.0	113.8
92.00		1.00	0.96	28.396	31.23	224.57	1.200	* 0.000	1.00	2.085	2.50	125.0	0.0	113.4
93.00	Appertunance(s)	1.00	0.96	28.484	31.33	223.45	1.200	* 0.000	1.00	2.072	2.49	124.6	0.0	113.0
94.00		1.00	0.97	28.571	31.42	222.33	1.200	* 0.000	1.00	2.058	2.47	124.2	0.0	112.6
95.00		1.00	0.97	28.658	31.52	221.20	1.200	* 0.000	1.00	2.044	2.45	123.7	0.0	112.2
96.00		1.00	0.97	28.744	31.61	220.06	1.200	* 0.000	1.00	2.031	2.44	123.3	0.0	111.8
97.00		1.00	0.98	28.829	31.71	218.91	1.200	* 0.000	1.00	2.017	2.42	122.8	0.0	111.4
98.00		1.00	0.98	28.913	31.80	217.76	1.200	* 0.000	1.00	2.004	2.40	122.4	0.0	111.0
99.00		1.00	0.98	28.997	31.89	216.60	1.200	* 0.000	1.00	1.990	2.39	121.9	0.0	110.7
100.0		1.00	0.98	29.081	31.98	215.43	1.200	* 0.000	1.00	1.977	2.37	121.4	0.0	110.3
101.0		1.00	0.99	29.164	32.08	214.26	1.200	* 0.000	1.00	1.963	2.36	120.9	0.0	109.9
102.0		1.00	0.99	29.246	32.17	213.08	1.200	* 0.000	1.00	1.950	2.34	120.4	0.0	109.5
103.0	Appertunance(s)	1.00	0.99	29.328	32.26	211.89	1.200	* 0.000	1.00	1.936	2.32	119.9	0.0	109.1

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 37



© 2007 - 2015 by ATC IP LLC. All rights reserved.

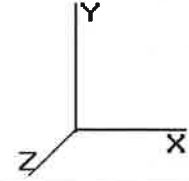
<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>32 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

104.0	1.00	0.99	29.409	32.34	210.69	1.200	* 0.000	1.00	1.923	2.31	119.4	0.0	108.7	
105.0	1.00	1.00	29.489	32.43	209.49	1.200	* 0.000	1.00	1.909	2.29	118.9	0.0	108.3	
106.0	1.00	1.00	29.569	32.52	208.29	1.200	* 0.000	1.00	1.896	2.27	118.4	0.0	108.0	
107.0	1.00	1.00	29.649	32.61	207.07	1.200	* 0.000	1.00	1.882	2.26	117.9	0.0	107.6	
108.0	1.00	1.01	29.727	32.70	205.86	1.200	* 0.000	1.00	1.869	2.24	117.3	0.0	107.2	
109.0	1.00	1.01	29.806	32.78	204.63	1.200	* 0.000	1.00	1.855	2.23	116.8	0.0	106.8	
110.0	1.00	1.01	29.884	32.87	203.40	1.200	* 0.000	1.00	1.842	2.21	116.2	0.0	106.4	
110.0	Top - Section 3	1.00	1.01	29.884	32.87	203.39	1.200	* 0.000	0.00	0.006	0.01	0.4	0.0	0.4
111.0		1.00	1.01	29.961	32.95	202.16	1.200	* 0.000	1.00	1.822	2.19	115.3	0.0	93.0
112.0		1.00	1.02	30.038	33.04	200.92	1.200	* 0.000	1.00	1.815	2.18	115.1	0.0	93.0
113.0	Appertunance(s)	1.00	1.02	30.114	33.12	199.67	1.200	* 0.000	1.00	1.801	2.16	114.6	0.0	92.8
114.0		1.00	1.02	30.190	33.20	198.41	1.200	* 0.000	1.00	1.788	2.15	114.0	0.0	92.5
115.0		1.00	1.02	30.266	33.29	197.15	1.200	* 0.000	1.00	1.774	2.13	113.4	0.0	92.2
116.0		1.00	1.03	30.341	33.37	195.89	1.200	* 0.000	1.00	1.761	2.11	112.8	0.0	91.9
117.0		1.00	1.03	30.415	33.45	194.62	1.200	* 0.000	1.00	1.747	2.10	112.2	0.0	91.6
118.0		1.00	1.03	30.489	33.53	193.34	1.200	* 0.000	1.00	1.734	2.08	111.6	0.0	91.3
119.0	Reinf. Top	1.00	1.03	30.563	33.61	192.06	1.200	* 0.000	1.00	1.720	2.06	111.0	0.0	91.0
120.0		1.00	1.04	30.636	33.69	190.77	1.200	* 0.000	1.00	1.707	2.05	110.4	0.0	36.3
121.0		1.00	1.04	30.709	33.77	189.48	1.200	* 0.000	1.00	1.693	2.03	109.8	0.0	36.0
122.0		1.00	1.04	30.781	33.85	188.18	1.200	* 0.000	1.00	1.679	2.02	109.2	0.0	35.7
123.0		1.00	1.04	30.853	33.93	186.88	1.200	* 0.000	1.00	1.666	2.00	108.6	0.0	35.5
124.0		1.00	1.05	30.924	34.01	185.57	1.200	* 0.000	1.00	1.652	1.98	107.9	0.0	35.2
125.0		1.00	1.05	30.995	34.09	184.25	1.200	* 0.000	1.00	1.639	1.97	107.3	0.0	34.9
126.0		1.00	1.05	31.066	34.17	182.94	1.200	* 0.000	1.00	1.625	1.95	106.6	0.0	34.6
127.0		1.00	1.05	31.136	34.25	181.61	1.200	* 0.000	1.00	1.612	1.93	106.0	0.0	34.3
128.0		1.00	1.06	31.206	34.32	180.29	1.200	* 0.000	1.00	1.598	1.92	105.3	0.0	34.0
129.0		1.00	1.06	31.276	34.40	178.95	1.200	* 0.000	1.00	1.585	1.90	104.7	0.0	33.7
130.0	Appertunance(s)	1.00	1.06	31.345	34.47	177.62	1.200	* 0.000	1.00	1.571	1.89	104.0	0.0	33.4
131.0		1.00	1.06	31.413	34.55	176.27	1.200	* 0.000	1.00	1.558	1.87	103.4	0.0	33.1
132.0		1.00	1.07	31.482	34.63	174.93	1.200	* 0.000	1.00	1.544	1.85	102.7	0.0	32.8
133.0		1.00	1.07	31.550	34.70	173.58	1.200	* 0.000	1.00	1.531	1.84	102.0	0.0	32.5
134.0		1.00	1.07	31.617	34.77	172.22	1.200	* 0.000	1.00	1.517	1.82	101.3	0.0	32.3
135.0		1.00	1.07	31.684	34.85	170.86	1.200	* 0.000	1.00	1.504	1.80	100.6	0.0	32.0
136.0		1.00	1.07	31.751	34.92	169.50	1.200	* 0.000	1.00	1.490	1.79	99.9	0.0	31.7
137.0		1.00	1.08	31.818	35.00	168.13	1.200	* 0.000	1.00	1.477	1.77	99.2	0.0	31.4
138.0		1.00	1.08	31.884	35.07	166.75	1.200	* 0.000	1.00	1.463	1.76	98.5	0.0	31.1
139.0		1.00	1.08	31.950	35.14	165.38	1.200	* 0.000	1.00	1.450	1.74	97.8	0.0	30.8
140.0	Appertunance(s)	1.00	1.08	32.015	35.21	163.99	1.200	* 0.000	1.00	1.436	1.72	97.1	0.0	30.5
141.0		1.00	1.09	32.081	35.28	162.61	1.000	0.000	1.00	1.423	1.42	80.3	0.0	30.2
142.0		1.00	1.09	32.145	35.36	161.22	1.000	0.000	1.00	1.409	1.41	79.7	0.0	29.9
143.0		1.00	1.09	32.210	35.43	159.83	1.000	0.000	1.00	1.396	1.40	79.1	0.0	29.6
144.0		1.00	1.09	32.274	35.50	158.43	1.000	0.000	1.00	1.382	1.38	78.5	0.0	29.4
145.0		1.00	1.09	32.338	35.57	157.02	1.000	0.000	1.00	1.369	1.37	77.9	0.0	29.1
146.0		1.00	1.10	32.402	35.64	155.62	1.000	0.000	1.00	1.355	1.36	77.3	0.0	28.8
147.0		1.00	1.10	32.465	35.71	154.21	1.000	0.000	1.00	1.341	1.34	76.7	0.0	28.5
148.0		1.00	1.10	32.528	35.78	152.79	1.000	0.000	1.00	1.328	1.33	76.0	0.0	28.2
149.0		1.00	1.10	32.590	35.84	151.38	1.000	0.000	1.00	1.314	1.31	75.4	0.0	27.9
150.0	Appertunance(s)	1.00	1.11	32.653	35.91	149.95	1.000	0.000	1.00	1.301	1.30	74.8	0.0	27.6
* = Cf Adjusted By Linear Load Ra Effect								Totals:	150.00		18,134.1	0.0	22,707.9	

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:06 PM  
 Page: 38



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      110.00 mph with No Ice (Reduced DL)      32 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

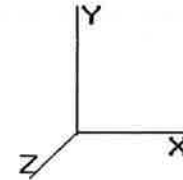
**Discrete Appurtenance Segment Forces (Factored)**

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)
69.00	Channel Master Type	1	26.263	28.890	1.00	1.00	20.19	0.000	1.000	933.25	0.00	933.25	113.40
93.00	Decibel DB408	1	28.484	31.333	1.00	1.00	2.90	0.000	0.000	145.38	0.00	0.00	15.30
93.00	Standoff	1	28.484	31.333	1.00	1.00	2.50	0.000	0.000	125.33	0.00	0.00	180.00
103.0	Decibel DB408	2	29.328	32.260	1.00	1.00	5.80	0.000	0.000	299.38	0.00	0.00	30.60
103.0	Standoff	1	29.328	32.260	1.00	1.00	2.50	0.000	0.000	129.04	0.00	0.00	180.00
113.0	Antel BXA-171063-8CF	2	30.114	33.126	0.71	0.80	3.32	0.000	0.000	175.81	0.00	0.00	16.56
113.0	Commscope SBNHH-	3	30.114	33.126	0.69	0.80	13.53	0.000	0.000	717.08	0.00	0.00	136.89
113.0	RFS APL868013-42T0	4	30.114	33.126	0.90	0.80	10.40	0.000	0.000	551.04	0.00	0.00	22.68
113.0	RFS APL868013-42T0	2	30.114	33.126	0.90	0.80	5.20	0.000	0.000	275.52	0.00	0.00	11.34
113.0	RFS FD9R6004/2C-3L	6	30.114	33.126	0.37	0.80	0.66	0.000	0.000	34.83	0.00	0.00	14.04
113.0	Round T-Arm	3	30.114	33.126	0.67	0.75	14.62	0.000	0.000	775.01	0.00	0.00	675.00
113.0	Alcatel-Lucent RRH2x	3	30.114	33.126	0.67	0.80	3.02	0.000	0.000	160.22	0.00	0.00	118.80
113.0	Antel BXA-171085-8CF	1	30.114	33.126	0.71	0.80	1.67	0.000	0.000	88.51	0.00	0.00	9.45
113.0	RFS DB-T1-6Z-8AB-0Z	1	30.114	33.126	1.00	0.80	3.84	0.000	0.000	203.52	0.00	0.00	39.60
130.0	12" x 12" Junction B	1	31.345	34.479	1.00	0.80	0.96	0.000	0.000	52.96	0.00	0.00	9.00
130.0	Argus LLPX310R	3	31.345	34.479	0.73	0.80	7.52	0.000	0.000	414.64	0.00	0.00	77.22
130.0	Clearwire Mount	1	31.345	34.479	1.00	1.00	8.50	0.000	0.000	468.92	0.00	0.00	504.00
130.0	DragonWave A-ANT-	1	31.345	34.479	1.00	0.80	6.74	0.000	0.000	372.04	0.00	0.00	42.84
130.0	DragonWave A-ANT-	1	31.345	34.479	1.00	0.80	1.29	0.000	0.000	71.05	0.00	0.00	13.50
130.0	DragonWave Horizon	2	31.345	34.479	0.50	0.80	0.34	0.000	0.000	18.98	0.00	0.00	19.08
130.0	NextNet BTS-2500	3	31.345	34.479	0.50	0.80	2.18	0.000	0.000	120.48	0.00	0.00	94.50
140.0	Ericsson AIR 21, 1.3	3	32.015	35.217	0.86	0.80	12.49	0.000	0.000	703.62	0.00	0.00	224.10
140.0	Ericsson AIR 21, 1.3	3	32.015	35.217	0.85	0.80	12.42	0.000	0.000	700.03	0.00	0.00	220.05
140.0	Ericsson KRY 112 144	3	32.015	35.217	0.50	0.80	0.49	0.000	0.000	27.72	0.00	0.00	29.70
140.0	Round T-Arm	3	32.015	35.217	0.67	0.75	14.62	0.000	0.000	823.94	0.00	0.00	675.00
150.0	4' Omni	1	33.201	36.521	1.00	0.75	0.75	0.000	9.000	43.83	0.00	394.43	9.00
150.0	Decibel DB408	2	32.942	36.236	1.00	0.75	4.35	0.000	4.700	252.20	0.00	1,185.35	30.60
150.0	Diplexer / Coupler	3	32.838	36.122	0.50	0.75	0.79	0.000	3.000	45.51	0.00	136.54	13.50
150.0	Ericsson RRUS 11 (Ba	6	32.838	36.122	0.67	0.75	7.60	0.000	3.000	439.11	0.00	1,317.34	297.00
150.0	GPS	1	32.653	35.918	1.00	0.75	0.75	0.000	0.000	43.10	0.00	0.00	9.00
150.0	KMW AM-X-CD-16-65-	3	32.838	36.122	0.67	0.75	12.09	0.000	3.000	698.75	0.00	2,096.25	130.95
150.0	KMW AWS Twin Dual	6	32.838	36.122	0.50	0.75	2.23	0.000	3.000	128.74	0.00	386.21	93.96
150.0	Round Platform w/ Ha	1	32.653	35.918	1.00	1.00	27.20	0.000	0.000	1,563.15	0.00	0.00	1,800.00
150.0	Powerwave 7770	3	32.838	36.122	0.65	0.75	8.06	0.000	3.000	465.73	0.00	1,397.20	94.50
150.0	Raycap DC6-48-60-18-	1	32.838	36.122	1.00	0.75	0.96	0.000	3.000	55.48	0.00	166.45	28.62
150.0	Round Side Arm	3	32.653	35.918	0.67	1.00	10.45	0.000	0.000	600.66	0.00	0.00	405.00
										12,724.59			6,384.78

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:07 PM  
 Page : 39



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      110.00 mph with No Ice (Reduced DL)      32 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

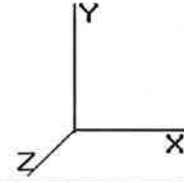
**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
1.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	0.90
1.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.284	0.000	7.18	3.69
1.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	0.27
1.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	6.57
1.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	0.24
1.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.284	0.000	15.13	0.00
1.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.284	0.000	7.18	8.85
1.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.284	0.000	0.00	0.07
2.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	0.90
2.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.285	0.000	7.18	3.69
2.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	0.27
2.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	6.57
2.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	0.24
2.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.285	0.000	15.13	0.00
2.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.285	0.000	7.18	8.85
2.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.285	0.000	0.00	0.07
3.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	0.90
3.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.286	0.000	7.18	3.69
3.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	0.27
3.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	6.57
3.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	0.24
3.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.286	0.000	15.13	0.00
3.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.286	0.000	7.18	8.85
3.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.286	0.000	0.00	0.07
4.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	0.90
4.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.287	0.000	7.18	3.69
4.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	0.27
4.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	6.57
4.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	0.24
4.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.287	0.000	15.13	0.00
4.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.287	0.000	7.18	8.85
4.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.287	0.000	0.00	0.07
5.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	0.90
5.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.289	0.000	7.18	3.69
5.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	0.27
5.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	6.57
5.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	0.24
5.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.289	0.000	15.13	0.00
5.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.289	0.000	7.18	8.85
5.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.289	0.000	0.00	0.07
6.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	0.90
6.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.290	0.000	7.18	3.69
6.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	0.27
6.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	6.57
6.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	0.24
6.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.290	0.000	15.13	0.00
6.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.290	0.000	7.18	8.85
6.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.290	0.000	0.00	0.07
7.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	0.90
7.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.291	0.000	7.18	3.69
7.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	0.27

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:07 PM  
 Page: 40



© 2007 - 2015 by ATC I PLLC. All rights reserved.

**Load Case: 0.9D + 1.6W**                      110.00 mph with No Ice (Reduced DL)                      32 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

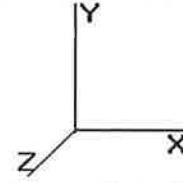
Wind Load Factor : 1.60

7.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	6.57
7.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	0.24
7.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.291	0.000	15.13	0.00
7.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.291	0.000	7.18	8.85
7.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.291	0.000	0.00	0.07
8.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	0.90
8.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.292	0.000	7.18	3.69
8.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	0.27
8.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	6.57
8.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	0.24
8.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.292	0.000	15.13	0.00
8.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.292	0.000	7.18	8.85
8.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.292	0.000	0.00	0.07
9.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	0.90
9.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.294	0.000	7.18	3.69
9.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	0.27
9.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	6.57
9.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	0.24
9.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.294	0.000	15.13	0.00
9.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.294	0.000	7.18	8.85
9.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.294	0.000	0.00	0.07
10.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	0.90
10.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.295	0.000	7.18	3.69
10.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	0.27
10.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	6.57
10.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	0.24
10.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.295	0.000	15.13	0.00
10.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.295	0.000	7.18	8.85
10.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.295	0.000	0.00	0.07
11.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	0.90
11.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.296	0.000	7.18	3.69
11.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	0.27
11.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	6.57
11.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	0.24
11.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.296	0.000	15.13	0.00
11.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.296	0.000	7.18	8.85
11.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.296	0.000	0.00	0.07
12.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	0.90
12.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.298	0.000	7.18	3.69
12.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	0.27
12.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	6.57
12.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	0.24
12.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.298	0.000	15.13	0.00
12.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.298	0.000	7.18	8.85
12.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.298	0.000	0.00	0.07
13.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	0.90
13.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.299	0.000	7.18	3.69
13.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	0.27
13.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	6.57
13.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	0.24
13.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.299	0.000	15.13	0.00
13.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.299	0.000	7.18	8.85
13.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.299	0.000	0.00	0.07
14.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	0.90
14.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.300	0.000	7.18	3.69
14.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	0.27
14.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	6.57

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (In/ft)

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

1/26/2015 2:58:07 PM  
 Page: 41



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      110.00 mph with No Ice (Reduced DL)      32 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

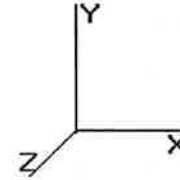
Wind Load Factor : 1.60

14.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	0.24
14.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.300	0.000	15.13	0.00
14.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.300	0.000	7.18	8.85
14.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.300	0.000	0.00	0.07
15.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	0.90
15.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.302	0.000	7.18	3.69
15.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	0.27
15.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	6.57
15.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	0.24
15.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.302	0.000	15.13	0.00
15.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.302	0.000	7.18	8.85
15.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.302	0.000	0.00	0.07
16.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	0.90
16.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.303	0.000	7.18	3.69
16.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	0.27
16.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	6.57
16.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	0.24
16.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.303	0.000	15.13	0.00
16.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.303	0.000	7.18	8.85
16.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.303	0.000	0.00	0.07
17.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	0.90
17.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.304	0.000	7.18	3.69
17.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	0.27
17.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	6.57
17.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	0.24
17.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.304	0.000	15.13	0.00
17.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.304	0.000	7.18	8.85
17.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.304	0.000	0.00	0.07
18.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	0.90
18.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.306	0.000	7.18	3.69
18.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	0.27
18.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	6.57
18.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	0.24
18.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.306	0.000	15.13	0.00
18.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.306	0.000	7.18	8.85
18.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.306	0.000	0.00	0.07
19.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	0.90
19.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.307	0.000	7.18	3.69
19.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	0.27
19.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	6.57
19.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	0.24
19.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.307	0.000	15.13	0.00
19.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.307	0.000	7.18	8.85
19.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.307	0.000	0.00	0.07
20.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	0.90
20.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.308	0.000	7.18	3.69
20.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	0.27
20.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	6.57
20.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	0.24
20.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.308	0.000	15.13	0.00
20.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.308	0.000	7.18	8.85
20.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.308	0.000	0.00	0.07
21.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	0.90
21.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.310	0.000	7.18	3.69
21.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	0.27
21.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	6.57
21.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	0.24

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:07 PM  
 Page: 42



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 0.9D + 1.6W**                      **110.00 mph with No Ice (Reduced DL)**                      **32 Iterations**  
**Gust Response Factor : 1.10**                      **Wind Importance Factor : 1.00**  
**Dead Load Factor : 0.90**  
**Wind Load Factor : 1.60**

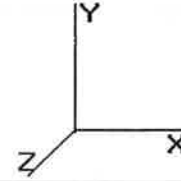
21.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.310	0.000	15.13	0.00
21.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.310	0.000	7.18	8.85
21.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.310	0.000	0.00	0.07
22.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	0.90
22.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.311	0.000	7.18	3.69
22.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	0.27
22.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	6.57
22.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	0.24
22.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.311	0.000	15.13	0.00
22.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.311	0.000	7.18	8.85
22.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.311	0.000	0.00	0.07
23.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	0.90
23.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.313	0.000	7.18	3.69
23.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	0.27
23.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	6.57
23.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	0.24
23.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.313	0.000	15.13	0.00
23.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.313	0.000	7.18	8.85
23.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.313	0.000	0.00	0.07
24.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	0.90
24.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.314	0.000	7.18	3.69
24.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	0.27
24.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	6.57
24.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	0.24
24.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.314	0.000	15.13	0.00
24.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.314	0.000	7.18	8.85
24.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.314	0.000	0.00	0.07
25.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	0.90
25.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.316	0.000	7.18	3.69
25.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	0.27
25.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	6.57
25.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	0.24
25.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.316	0.000	15.13	0.00
25.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.316	0.000	7.18	8.85
25.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.316	0.000	0.00	0.07
26.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	0.90
26.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.317	0.000	7.18	3.69
26.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	0.27
26.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	6.57
26.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	0.24
26.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.317	0.000	15.13	0.00
26.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.317	0.000	7.18	8.85
26.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.317	0.000	0.00	0.07
27.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	0.90
27.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.319	0.000	7.18	3.69
27.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	0.27
27.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	6.57
27.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	0.24
27.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.319	0.000	15.13	0.00
27.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.319	0.000	7.18	8.85
27.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.319	0.000	0.00	0.07
28.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	0.90
28.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.320	0.000	7.18	3.69
28.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	0.27
28.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	6.57
28.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	0.24
28.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.320	0.000	15.13	0.00



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:07 PM  
 Page : 43



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 0.9D + 1.6W**      **110.00 mph with No Ice (Reduced DL)**      **32 Iterations**

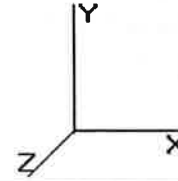
Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

28.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.320	0.000	7.18	8.85
28.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.320	0.000	0.00	0.07
29.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	0.90
29.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.322	0.000	7.18	3.69
29.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	0.27
29.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	6.57
29.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	0.24
29.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.599	0.322	0.000	15.13	0.00
29.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.599	0.322	0.000	7.18	8.85
29.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.599	0.322	0.000	0.00	0.07
30.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	0.90
30.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.616	0.323	0.000	7.18	3.69
30.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	0.27
30.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	6.57
30.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	0.24
30.00	(4) #18 Dywidag bars	Yes	1.00	0.715	7.00	0.58	0.42	20.616	0.323	0.000	15.13	0.00
30.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.616	0.323	0.000	7.18	8.85
30.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.616	0.323	0.000	0.00	0.07
31.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	0.90
31.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.810	0.325	0.000	7.25	3.69
31.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	0.27
31.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	6.57
31.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	0.24
31.00	(4) #18 Dywidag bars	Yes	1.00	0.712	7.00	0.58	0.42	20.810	0.325	0.000	15.20	0.00
31.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.810	0.325	0.000	7.25	8.85
31.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	20.810	0.325	0.000	0.00	0.07
31.50	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	0.45
31.50	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	20.906	0.326	0.000	3.67	1.86
31.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	0.14
31.50	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	3.31
31.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	0.12
31.50	(4) #18 Dywidag bars	Yes	0.50	0.710	7.00	0.29	0.21	20.906	0.326	0.000	7.67	0.00
31.50	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	20.906	0.326	0.000	3.67	4.46
31.50	(1) 0.28" RG6	Yes	0.50	0.000	0.00	0.00	0.00	20.906	0.326	0.000	0.00	0.04
32.00	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	0.45
32.00	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	21.000	0.327	0.000	3.63	1.83
32.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	0.13
32.00	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	3.26
32.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	0.12
32.00	(4) #18 Dywidag bars	Yes	0.50	0.708	7.00	0.29	0.21	21.000	0.327	0.000	7.59	0.00
32.00	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	21.000	0.327	0.000	3.63	4.40
32.00	(1) 0.28" RG6	Yes	0.50	0.000	0.00	0.00	0.00	21.000	0.327	0.000	0.00	0.04
33.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	0.90
33.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.186	0.328	0.000	7.38	3.69
33.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	0.27
33.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	6.57
33.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	0.24
33.00	(4) #18 Dywidag bars	Yes	1.00	0.705	7.00	0.58	0.41	21.186	0.328	0.000	15.34	0.00
33.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.186	0.328	0.000	7.38	8.85
33.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	21.186	0.328	0.000	0.00	0.07
34.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	0.90
34.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.367	0.329	0.000	7.45	3.69
34.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	0.27
34.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	6.57
34.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	0.24
34.00	(4) #18 Dywidag bars	Yes	1.00	0.702	7.00	0.58	0.41	21.367	0.329	0.000	15.41	0.00
34.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.367	0.329	0.000	7.45	8.85

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:07 PM  
 Page: 44



© 2007 - 2015 by ATC IP LLC. All rights reserved.

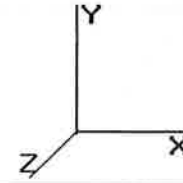
<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	32 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

34.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	21.367	0.329	0.000	0.00	0.07
35.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	0.90
35.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.545	0.331	0.000	7.51	3.69
35.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	0.27
35.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	6.57
35.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	0.24
35.00	(4) #18 Dywidag bars	Yes	1.00	0.699	7.00	0.58	0.41	21.545	0.331	0.000	15.47	0.00
35.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.545	0.331	0.000	7.51	8.85
35.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	21.545	0.331	0.000	0.00	0.07
35.67	(1) 1 1/4" Hybriflex	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	0.60
35.67	(5) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	21.662	0.332	0.000	5.06	2.47
35.67	(2) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	0.18
35.67	(2) 2" Conduit	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	4.40
35.67	(6) 5/16" Coax	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	0.16
35.67	(4) #18 Dywidag bars	Yes	0.67	0.698	7.00	0.39	0.27	21.662	0.332	0.000	10.39	0.00
35.67	(12) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	21.662	0.332	0.000	5.06	5.93
35.67	(1) 0.28" RG6	Yes	0.67	0.000	0.00	0.00	0.00	21.662	0.332	0.000	0.00	0.05
36.00	(1) 1 1/4" Hybriflex	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	0.30
36.00	(5) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	21.719	0.327	0.000	2.50	1.22
36.00	(2) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	0.09
36.00	(2) 2" Conduit	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	2.17
36.00	(6) 5/16" Coax	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	0.08
36.00	(4) #18 Dywidag bars	Yes	0.33	0.697	7.00	0.19	0.13	21.719	0.327	0.000	5.13	0.00
36.00	(12) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	21.719	0.327	0.000	2.50	2.92
36.00	(1) 0.28" RG6	Yes	0.33	0.000	0.00	0.00	0.00	21.719	0.327	0.000	0.00	0.02
37.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	0.90
37.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.890	0.328	0.000	7.63	3.69
37.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	0.27
37.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	6.57
37.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	0.24
37.00	(4) #18 Dywidag bars	Yes	1.00	0.694	7.00	0.58	0.40	21.890	0.328	0.000	15.59	0.00
37.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.890	0.328	0.000	7.63	8.85
37.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	21.890	0.328	0.000	0.00	0.07
38.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	0.90
38.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.057	0.329	0.000	7.69	3.69
38.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	0.27
38.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	6.57
38.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	0.24
38.00	(4) #18 Dywidag bars	Yes	1.00	0.691	7.00	0.58	0.40	22.057	0.329	0.000	15.65	0.00
38.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.057	0.329	0.000	7.69	8.85
38.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.057	0.329	0.000	0.00	0.07
39.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	0.90
39.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.221	0.331	0.000	7.74	3.69
39.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	0.27
39.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	6.57
39.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	0.24
39.00	(4) #18 Dywidag bars	Yes	1.00	0.689	7.00	0.58	0.40	22.221	0.331	0.000	15.71	0.00
39.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.221	0.331	0.000	7.74	8.85
39.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.331	0.000	0.00	0.07
40.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	0.90
40.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.383	0.333	0.000	7.80	3.69
40.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	0.27
40.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	6.57
40.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	0.24
40.00	(4) #18 Dywidag bars	Yes	1.00	0.686	7.00	0.58	0.40	22.383	0.333	0.000	15.77	0.00
40.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.383	0.333	0.000	7.80	8.85
40.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.383	0.333	0.000	0.00	0.07

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:07 PM  
 Page: 45



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 0.9D + 1.6W**      **110.00 mph with No Ice (Reduced DL)**      **32 Iterations**

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

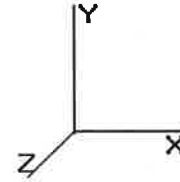
Dead Load Factor : 0.90

Wind Load Factor : 1.60

41.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	0.90
41.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.541	0.334	0.000	7.86	3.69
41.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	0.27
41.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	6.57
41.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	0.24
41.00	(4) #18 Dywidag bars	Yes	1.00	0.684	7.00	0.58	0.40	22.541	0.334	0.000	15.82	0.00
41.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.541	0.334	0.000	7.86	8.85
41.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.541	0.334	0.000	0.00	0.07
42.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	0.90
42.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.697	0.336	0.000	7.91	3.69
42.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	0.27
42.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	6.57
42.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	0.24
42.00	(4) #18 Dywidag bars	Yes	1.00	0.681	7.00	0.58	0.40	22.697	0.336	0.000	15.88	0.00
42.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.697	0.336	0.000	7.91	8.85
42.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.697	0.336	0.000	0.00	0.07
43.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	0.90
43.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.850	0.338	0.000	7.96	3.69
43.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	0.27
43.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	6.57
43.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	0.24
43.00	(4) #18 Dywidag bars	Yes	1.00	0.679	7.00	0.58	0.40	22.850	0.338	0.000	15.93	0.00
43.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	22.850	0.338	0.000	7.96	8.85
43.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	22.850	0.338	0.000	0.00	0.07
44.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	0.90
44.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.000	0.339	0.000	8.02	3.69
44.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	0.27
44.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	6.57
44.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	0.24
44.00	(4) #18 Dywidag bars	Yes	1.00	0.677	7.00	0.58	0.39	23.000	0.339	0.000	15.98	0.00
44.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.000	0.339	0.000	8.02	8.85
44.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.000	0.339	0.000	0.00	0.07
45.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	0.90
45.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.149	0.341	0.000	8.07	3.69
45.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	0.27
45.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	6.57
45.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	0.24
45.00	(4) #18 Dywidag bars	Yes	1.00	0.675	7.00	0.58	0.39	23.149	0.341	0.000	16.04	0.00
45.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.149	0.341	0.000	8.07	8.85
45.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.149	0.341	0.000	0.00	0.07
46.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	0.90
46.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.294	0.343	0.000	8.12	3.69
46.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	0.27
46.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	6.57
46.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	0.24
46.00	(4) #18 Dywidag bars	Yes	1.00	0.673	7.00	0.58	0.39	23.294	0.343	0.000	16.09	0.00
46.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.294	0.343	0.000	8.12	8.85
46.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.294	0.343	0.000	0.00	0.07
47.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	0.90
47.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.438	0.345	0.000	8.17	3.69
47.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	0.27
47.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	6.57
47.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	0.24
47.00	(4) #18 Dywidag bars	Yes	1.00	0.671	7.00	0.58	0.39	23.438	0.345	0.000	16.14	0.00
47.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.438	0.345	0.000	8.17	8.85
47.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.438	0.345	0.000	0.00	0.07
48.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	0.90

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:07 PM  
 Page: 46

© 2007 - 2015 by ATC IP LLC. All rights reserved.

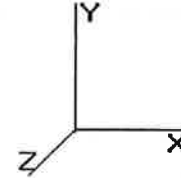
<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>32 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

48.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.579	0.346	0.000	8.22	3.69
48.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	0.27
48.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	6.57
48.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	0.24
48.00	(4) #18 Dywidag bars	Yes	1.00	0.669	7.00	0.58	0.39	23.579	0.346	0.000	16.18	0.00
48.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.579	0.346	0.000	8.22	8.85
48.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.579	0.346	0.000	0.00	0.07
49.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	0.90
49.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.719	0.348	0.000	8.27	3.69
49.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	0.27
49.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	6.57
49.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	0.24
49.00	(4) #18 Dywidag bars	Yes	1.00	0.667	7.00	0.58	0.39	23.719	0.348	0.000	16.23	0.00
49.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.719	0.348	0.000	8.27	8.85
49.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.719	0.348	0.000	0.00	0.07
50.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	0.90
50.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.856	0.350	0.000	8.31	3.69
50.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	0.27
50.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	6.57
50.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	0.24
50.00	(4) #18 Dywidag bars	Yes	1.00	0.665	7.00	0.58	0.39	23.856	0.350	0.000	16.28	0.00
50.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.856	0.350	0.000	8.31	8.85
50.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.856	0.350	0.000	0.00	0.07
51.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	0.90
51.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.991	0.352	0.000	8.36	3.69
51.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	0.27
51.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	6.57
51.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	0.24
51.00	(4) #18 Dywidag bars	Yes	1.00	0.663	7.00	0.58	0.39	23.991	0.352	0.000	16.33	0.00
51.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	23.991	0.352	0.000	8.36	8.85
51.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	23.991	0.352	0.000	0.00	0.07
52.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	0.90
52.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.125	0.354	0.000	8.41	3.69
52.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	0.27
52.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	6.57
52.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	0.24
52.00	(4) #18 Dywidag bars	Yes	1.00	0.661	7.00	0.58	0.39	24.125	0.354	0.000	16.37	0.00
52.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.125	0.354	0.000	8.41	8.85
52.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.125	0.354	0.000	0.00	0.07
53.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	0.90
53.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.257	0.356	0.000	8.45	3.69
53.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	0.27
53.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	6.57
53.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	0.24
53.00	(4) #18 Dywidag bars	Yes	1.00	0.659	7.00	0.58	0.38	24.257	0.356	0.000	16.41	0.00
53.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.257	0.356	0.000	8.45	8.85
53.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.257	0.356	0.000	0.00	0.07
54.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	0.90
54.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.386	0.357	0.000	8.50	3.69
54.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	0.27
54.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	6.57
54.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	0.24
54.00	(4) #18 Dywidag bars	Yes	1.00	0.657	7.00	0.58	0.38	24.386	0.357	0.000	16.46	0.00
54.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.386	0.357	0.000	8.50	8.85
54.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.386	0.357	0.000	0.00	0.07
55.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	0.90
55.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.515	0.359	0.000	8.54	3.69

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:07 PM  
 Page: 47



© 2007 - 2015 by ATC IP LLC. All rights reserved.

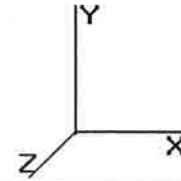
<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	32 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

55.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	0.27
55.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	6.57
55.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	0.24
55.00	(4) #18 Dywidag bars	Yes	1.00	0.656	7.00	0.58	0.38	24.515	0.359	0.000	16.50	0.00
55.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.515	0.359	0.000	8.54	8.85
55.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.515	0.359	0.000	0.00	0.07
56.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	0.90
56.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.641	0.361	0.000	8.59	3.69
56.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	0.27
56.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	6.57
56.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	0.24
56.00	(4) #18 Dywidag bars	Yes	1.00	0.654	7.00	0.58	0.38	24.641	0.361	0.000	16.54	0.00
56.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.641	0.361	0.000	8.59	8.85
56.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.641	0.361	0.000	0.00	0.07
57.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	0.90
57.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.766	0.363	0.000	8.63	3.69
57.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	0.27
57.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	6.57
57.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	0.24
57.00	(4) #18 Dywidag bars	Yes	1.00	0.652	7.00	0.58	0.38	24.766	0.363	0.000	16.59	0.00
57.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.766	0.363	0.000	8.63	8.85
57.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.766	0.363	0.000	0.00	0.07
58.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	0.90
58.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.889	0.365	0.000	8.67	3.69
58.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	0.27
58.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	6.57
58.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	0.24
58.00	(4) #18 Dywidag bars	Yes	1.00	0.651	7.00	0.58	0.38	24.889	0.365	0.000	16.63	0.00
58.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	24.889	0.365	0.000	8.67	8.85
58.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	24.889	0.365	0.000	0.00	0.07
59.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	0.90
59.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.011	0.367	0.000	8.72	3.69
59.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	0.27
59.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	6.57
59.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	0.24
59.00	(4) #18 Dywidag bars	Yes	1.00	0.649	7.00	0.58	0.38	25.011	0.367	0.000	16.67	0.00
59.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.011	0.367	0.000	8.72	8.85
59.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.011	0.367	0.000	0.00	0.07
60.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	0.90
60.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.132	0.369	0.000	8.76	3.69
60.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	0.27
60.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	6.57
60.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	0.24
60.00	(4) #18 Dywidag bars	Yes	1.00	0.648	7.00	0.58	0.38	25.132	0.369	0.000	16.71	0.00
60.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.132	0.369	0.000	8.76	8.85
60.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.132	0.369	0.000	0.00	0.07
61.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	0.90
61.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.251	0.371	0.000	8.80	3.69
61.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	0.27
61.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	6.57
61.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	0.24
61.00	(4) #18 Dywidag bars	Yes	1.00	0.646	7.00	0.58	0.38	25.251	0.371	0.000	16.75	0.00
61.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.251	0.371	0.000	8.80	8.85
61.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.251	0.371	0.000	0.00	0.07
62.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	0.90
62.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.368	0.373	0.000	8.84	3.69
62.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	0.27

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:07 PM  
 Page: 48



© 2007 - 2015 by ATC IP LLC. All rights reserved.

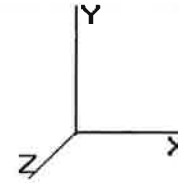
<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>32 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

62.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	6.57
62.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	0.24
62.00	(4) #18 Dywidag bars	Yes	1.00	0.645	7.00	0.58	0.38	25.368	0.373	0.000	16.79	0.00
62.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.368	0.373	0.000	8.84	8.85
62.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.368	0.373	0.000	0.00	0.07
63.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	0.90
63.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.485	0.375	0.000	8.88	3.69
63.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	0.27
63.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	6.57
63.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	0.24
63.00	(4) #18 Dywidag bars	Yes	1.00	0.643	7.00	0.58	0.38	25.485	0.375	0.000	16.83	0.00
63.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.485	0.375	0.000	8.88	8.85
63.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.485	0.375	0.000	0.00	0.07
64.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	0.90
64.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.599	0.377	0.000	8.92	3.69
64.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	0.27
64.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	6.57
64.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	0.24
64.00	(4) #18 Dywidag bars	Yes	1.00	0.642	7.00	0.58	0.37	25.599	0.377	0.000	16.86	0.00
64.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.599	0.377	0.000	8.92	8.85
64.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.599	0.377	0.000	0.00	0.07
65.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	0.90
65.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.713	0.379	0.000	8.96	3.69
65.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	0.27
65.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	6.57
65.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	0.24
65.00	(4) #18 Dywidag bars	Yes	1.00	0.640	7.00	0.58	0.37	25.713	0.379	0.000	16.90	0.00
65.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.713	0.379	0.000	8.96	8.85
65.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.713	0.379	0.000	0.00	0.07
66.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	0.90
66.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.825	0.382	0.000	9.00	3.69
66.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	0.27
66.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	6.57
66.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	0.24
66.00	(4) #18 Dywidag bars	Yes	1.00	0.639	7.00	0.58	0.37	25.825	0.382	0.000	16.94	0.00
66.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.825	0.382	0.000	9.00	8.85
66.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.825	0.382	0.000	0.00	0.07
67.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	0.90
67.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.937	0.384	0.000	9.04	3.69
67.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	0.27
67.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	6.57
67.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	0.24
67.00	(4) #18 Dywidag bars	Yes	1.00	0.637	7.00	0.58	0.37	25.937	0.384	0.000	16.97	0.00
67.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	25.937	0.384	0.000	9.04	8.85
67.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	25.937	0.384	0.000	0.00	0.07
68.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	0.90
68.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.047	0.386	0.000	9.08	3.69
68.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	0.27
68.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	6.57
68.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	0.24
68.00	(4) #18 Dywidag bars	Yes	1.00	0.636	7.00	0.58	0.37	26.047	0.386	0.000	17.01	0.00
68.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.047	0.386	0.000	9.08	8.85
68.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	26.047	0.386	0.000	0.00	0.07
69.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	0.90
69.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.156	0.388	0.000	9.11	3.69
69.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	0.27
69.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	6.57

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page: 49



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 0.9D + 1.6W**      110.00 mph with No Ice (Reduced DL)      32 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

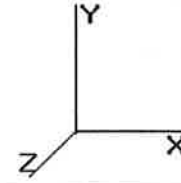
Wind Load Factor : 1.60

69.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	0.24
69.00	(4) #18 Dywidag bars	Yes	1.00	0.635	7.00	0.58	0.37	26.156	0.388	0.000	17.05	0.00
69.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.156	0.388	0.000	9.11	8.85
69.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	26.156	0.388	0.000	0.00	0.07
70.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.263	0.390	0.000	0.00	0.90
70.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.263	0.390	0.000	9.15	3.69
70.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.263	0.390	0.000	0.00	0.27
70.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.263	0.390	0.000	0.00	6.57
70.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.263	0.390	0.000	0.00	0.24
70.00	(4) #18 Dywidag bars	Yes	1.00	0.633	7.00	0.58	0.37	26.263	0.390	0.000	17.08	0.00
70.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.263	0.390	0.000	9.15	8.85
70.00	(1) 1 1/4" Hybriflex	Yes	0.00	0.000	0.00	0.00	0.00	26.264	0.392	0.000	0.00	0.00
70.00	(5) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	26.264	0.392	0.000	0.03	0.01
70.00	(2) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	26.264	0.392	0.000	0.00	0.00
70.00	(2) 2" Conduit	Yes	0.00	0.000	0.00	0.00	0.00	26.264	0.392	0.000	0.00	0.02
70.00	(6) 5/16" Coax	Yes	0.00	0.000	0.00	0.00	0.00	26.264	0.392	0.000	0.00	0.00
70.00	(4) #18 Dywidag bars	Yes	0.00	0.633	7.00	0.00	0.00	26.264	0.392	0.000	0.06	0.00
70.00	(12) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	26.264	0.392	0.000	0.03	0.03
71.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.370	0.393	0.000	0.00	0.90
71.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	26.370	0.393	0.000	9.16	3.68
71.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.370	0.393	0.000	0.00	0.27
71.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.370	0.393	0.000	0.00	6.55
71.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.370	0.393	0.000	0.00	0.24
71.00	(4) #18 Dywidag bars	Yes	1.00	0.632	7.00	0.58	0.37	26.370	0.393	0.000	17.06	0.00
71.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	26.370	0.393	0.000	9.16	8.83
72.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.476	0.395	0.000	0.00	0.90
72.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.476	0.395	0.000	9.23	3.69
72.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.476	0.395	0.000	0.00	0.27
72.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.476	0.395	0.000	0.00	6.57
72.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.476	0.395	0.000	0.00	0.24
72.00	(4) #18 Dywidag bars	Yes	1.00	0.631	7.00	0.58	0.37	26.476	0.395	0.000	17.15	0.00
72.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.476	0.395	0.000	9.23	8.85
73.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.580	0.397	0.000	0.00	0.90
73.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.580	0.397	0.000	9.26	3.69
73.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.580	0.397	0.000	0.00	0.27
73.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.580	0.397	0.000	0.00	6.57
73.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.580	0.397	0.000	0.00	0.24
73.00	(4) #18 Dywidag bars	Yes	1.00	0.630	7.00	0.58	0.37	26.580	0.397	0.000	17.18	0.00
73.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.580	0.397	0.000	9.26	8.85
73.50	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	26.632	0.399	0.000	0.00	0.45
73.50	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	26.632	0.399	0.000	4.67	1.86
73.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	26.632	0.399	0.000	0.00	0.14
73.50	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	26.632	0.399	0.000	0.00	3.31
73.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	26.632	0.399	0.000	0.00	0.12
73.50	(4) #18 Dywidag bars	Yes	0.50	0.629	7.00	0.29	0.18	26.632	0.399	0.000	8.66	0.00
73.50	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	26.632	0.399	0.000	4.67	4.46
74.00	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	26.684	0.393	0.000	0.00	0.45
74.00	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	26.684	0.393	0.000	4.62	1.83
74.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	26.684	0.393	0.000	0.00	0.13
74.00	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	26.684	0.393	0.000	0.00	3.26
74.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	26.684	0.393	0.000	0.00	0.12
74.00	(4) #18 Dywidag bars	Yes	0.50	0.628	7.00	0.29	0.18	26.684	0.393	0.000	8.55	0.00
74.00	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	26.684	0.393	0.000	4.62	4.40
75.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.786	0.395	0.000	0.00	0.90
75.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.786	0.395	0.000	9.33	3.69
75.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.786	0.395	0.000	0.00	0.27
75.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.786	0.395	0.000	0.00	6.57

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page: 50



© 2007 - 2015 by ATC IP LLC. All rights reserved.

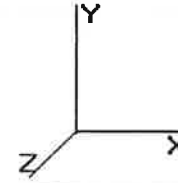
<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>32 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

75.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.786	0.395	0.000	0.00	0.24
75.00	(4) #18 Dywidag bars	Yes	1.00	0.627	7.00	0.58	0.37	26.786	0.395	0.000	17.25	0.00
75.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.786	0.395	0.000	9.33	8.85
76.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.888	0.397	0.000	0.00	0.90
76.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.888	0.397	0.000	9.37	3.69
76.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.888	0.397	0.000	0.00	0.27
76.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.888	0.397	0.000	0.00	6.57
76.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.888	0.397	0.000	0.00	0.24
76.00	(4) #18 Dywidag bars	Yes	1.00	0.626	7.00	0.58	0.37	26.888	0.397	0.000	17.28	0.00
76.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.888	0.397	0.000	9.37	8.85
77.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	26.988	0.399	0.000	0.00	0.90
77.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.988	0.399	0.000	9.40	3.69
77.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.988	0.399	0.000	0.00	0.27
77.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	26.988	0.399	0.000	0.00	6.57
77.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	26.988	0.399	0.000	0.00	0.24
77.00	(4) #18 Dywidag bars	Yes	1.00	0.625	7.00	0.58	0.36	26.988	0.399	0.000	17.31	0.00
77.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	26.988	0.399	0.000	9.40	8.85
78.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.088	0.402	0.000	0.00	0.90
78.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.088	0.402	0.000	9.44	3.69
78.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.088	0.402	0.000	0.00	0.27
78.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.088	0.402	0.000	0.00	6.57
78.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.088	0.402	0.000	0.00	0.24
78.00	(4) #18 Dywidag bars	Yes	1.00	0.624	7.00	0.58	0.36	27.088	0.402	0.000	17.35	0.00
78.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.088	0.402	0.000	9.44	8.85
79.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.187	0.404	0.000	0.00	0.90
79.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.187	0.404	0.000	9.47	3.69
79.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.187	0.404	0.000	0.00	0.27
79.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.187	0.404	0.000	0.00	6.57
79.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.187	0.404	0.000	0.00	0.24
79.00	(4) #18 Dywidag bars	Yes	1.00	0.623	7.00	0.58	0.36	27.187	0.404	0.000	17.38	0.00
79.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.187	0.404	0.000	9.47	8.85
80.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.285	0.406	0.000	0.00	0.90
80.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.285	0.406	0.000	9.51	3.69
80.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.285	0.406	0.000	0.00	0.27
80.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.285	0.406	0.000	0.00	6.57
80.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.285	0.406	0.000	0.00	0.24
80.00	(4) #18 Dywidag bars	Yes	1.00	0.621	7.00	0.58	0.36	27.285	0.406	0.000	17.41	0.00
80.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.285	0.406	0.000	9.51	8.85
81.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.382	0.409	0.000	0.00	0.90
81.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.382	0.409	0.000	9.54	3.69
81.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.382	0.409	0.000	0.00	0.27
81.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.382	0.409	0.000	0.00	6.57
81.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.382	0.409	0.000	0.00	0.24
81.00	(4) #18 Dywidag bars	Yes	1.00	0.620	7.00	0.58	0.36	27.382	0.409	0.000	17.44	0.00
81.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.382	0.409	0.000	9.54	8.85
82.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.478	0.411	0.000	0.00	0.90
82.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.478	0.411	0.000	9.58	3.69
82.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.478	0.411	0.000	0.00	0.27
82.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.478	0.411	0.000	0.00	6.57
82.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.478	0.411	0.000	0.00	0.24
82.00	(4) #18 Dywidag bars	Yes	1.00	0.619	7.00	0.58	0.36	27.478	0.411	0.000	17.47	0.00
82.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.478	0.411	0.000	9.58	8.85
83.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.573	0.414	0.000	0.00	0.90
83.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.573	0.414	0.000	9.61	3.69
83.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.573	0.414	0.000	0.00	0.27
83.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.573	0.414	0.000	0.00	6.57
83.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.573	0.414	0.000	0.00	0.24



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:08 PM  
 Page: 51

© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      110.00 mph with No Ice (Reduced DL)      32 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

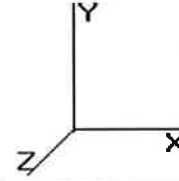
Wind Load Factor : 1.60

83.00	(4) #18 Dywidag bars	Yes	1.00	0.618	7.00	0.58	0.36	27.573	0.414	0.000	17.50	0.00
83.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.573	0.414	0.000	9.61	8.85
84.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.668	0.416	0.000	0.00	0.90
84.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.668	0.416	0.000	9.64	3.69
84.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.668	0.416	0.000	0.00	0.27
84.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.668	0.416	0.000	0.00	6.57
84.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.668	0.416	0.000	0.00	0.24
84.00	(4) #18 Dywidag bars	Yes	1.00	0.617	7.00	0.58	0.36	27.668	0.416	0.000	17.53	0.00
84.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.668	0.416	0.000	9.64	8.85
85.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.761	0.419	0.000	0.00	0.90
85.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.761	0.419	0.000	9.67	3.69
85.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.761	0.419	0.000	0.00	0.27
85.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.761	0.419	0.000	0.00	6.57
85.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.761	0.419	0.000	0.00	0.24
85.00	(4) #18 Dywidag bars	Yes	1.00	0.616	7.00	0.58	0.36	27.761	0.419	0.000	17.56	0.00
85.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.761	0.419	0.000	9.67	8.85
86.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.854	0.422	0.000	0.00	0.90
86.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.854	0.422	0.000	9.71	3.69
86.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.854	0.422	0.000	0.00	0.27
86.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.854	0.422	0.000	0.00	6.57
86.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.854	0.422	0.000	0.00	0.24
86.00	(4) #18 Dywidag bars	Yes	1.00	0.615	7.00	0.58	0.36	27.854	0.422	0.000	17.59	0.00
86.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.854	0.422	0.000	9.71	8.85
87.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	27.946	0.424	0.000	0.00	0.90
87.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.946	0.424	0.000	9.74	3.69
87.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.946	0.424	0.000	0.00	0.27
87.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	27.946	0.424	0.000	0.00	6.57
87.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	27.946	0.424	0.000	0.00	0.24
87.00	(4) #18 Dywidag bars	Yes	1.00	0.614	7.00	0.58	0.36	27.946	0.424	0.000	17.62	0.00
87.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	27.946	0.424	0.000	9.74	8.85
88.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.038	0.427	0.000	0.00	0.90
88.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.038	0.427	0.000	9.77	3.69
88.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.038	0.427	0.000	0.00	0.27
88.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.038	0.427	0.000	0.00	6.57
88.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.038	0.427	0.000	0.00	0.24
88.00	(4) #18 Dywidag bars	Yes	1.00	0.613	7.00	0.58	0.36	28.038	0.427	0.000	17.65	0.00
88.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.038	0.427	0.000	9.77	8.85
89.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.129	0.430	0.000	0.00	0.90
89.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.129	0.430	0.000	9.80	3.69
89.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.129	0.430	0.000	0.00	0.27
89.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.129	0.430	0.000	0.00	6.57
89.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.129	0.430	0.000	0.00	0.24
89.00	(4) #18 Dywidag bars	Yes	1.00	0.612	7.00	0.58	0.36	28.129	0.430	0.000	17.68	0.00
89.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.129	0.430	0.000	9.80	8.85
90.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.219	0.432	0.000	0.00	0.90
90.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.219	0.432	0.000	9.83	3.69
90.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.219	0.432	0.000	0.00	0.27
90.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.219	0.432	0.000	0.00	6.57
90.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.219	0.432	0.000	0.00	0.24
90.00	(4) #18 Dywidag bars	Yes	1.00	0.611	7.00	0.58	0.36	28.219	0.432	0.000	17.70	0.00
90.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.219	0.432	0.000	9.83	8.85
91.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.308	0.435	0.000	0.00	0.90
91.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.308	0.435	0.000	9.86	3.69
91.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.308	0.435	0.000	0.00	0.27
91.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.308	0.435	0.000	0.00	6.57
91.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.308	0.435	0.000	0.00	0.24
91.00	(4) #18 Dywidag bars	Yes	1.00	0.610	7.00	0.58	0.36	28.308	0.435	0.000	17.73	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page: 52



© 2007 - 2015 by ATC IP LLC. All rights reserved.

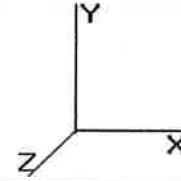
<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	32 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

91.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.308	0.435	0.000	9.86	8.85
92.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.396	0.438	0.000	0.00	0.90
92.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.396	0.438	0.000	9.90	3.69
92.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.396	0.438	0.000	0.00	0.27
92.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.396	0.438	0.000	0.00	6.57
92.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.396	0.438	0.000	0.00	0.24
92.00	(4) #18 Dywidag bars	Yes	1.00	0.609	7.00	0.58	0.36	28.396	0.438	0.000	17.76	0.00
92.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.396	0.438	0.000	9.90	8.85
93.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.484	0.441	0.000	0.00	0.90
93.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.484	0.441	0.000	9.93	3.69
93.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.484	0.441	0.000	0.00	0.27
93.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.484	0.441	0.000	0.00	6.57
93.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.484	0.441	0.000	0.00	0.24
93.00	(4) #18 Dywidag bars	Yes	1.00	0.608	7.00	0.58	0.35	28.484	0.441	0.000	17.79	0.00
93.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.484	0.441	0.000	9.93	8.85
94.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.571	0.444	0.000	0.00	0.90
94.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.571	0.444	0.000	9.96	3.69
94.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.571	0.444	0.000	0.00	0.27
94.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.571	0.444	0.000	0.00	6.57
94.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.571	0.444	0.000	0.00	0.24
94.00	(4) #18 Dywidag bars	Yes	1.00	0.607	7.00	0.58	0.35	28.571	0.444	0.000	17.82	0.00
94.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.571	0.444	0.000	9.96	8.85
95.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.658	0.447	0.000	0.00	0.90
95.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.658	0.447	0.000	9.99	3.69
95.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.658	0.447	0.000	0.00	0.27
95.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.658	0.447	0.000	0.00	6.57
95.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.658	0.447	0.000	0.00	0.24
95.00	(4) #18 Dywidag bars	Yes	1.00	0.606	7.00	0.58	0.35	28.658	0.447	0.000	17.84	0.00
95.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.658	0.447	0.000	9.99	8.85
96.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.744	0.450	0.000	0.00	0.90
96.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.744	0.450	0.000	10.02	3.69
96.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.744	0.450	0.000	0.00	0.27
96.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.744	0.450	0.000	0.00	6.57
96.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.744	0.450	0.000	0.00	0.24
96.00	(4) #18 Dywidag bars	Yes	1.00	0.606	7.00	0.58	0.35	28.744	0.450	0.000	17.87	0.00
96.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.744	0.450	0.000	10.02	8.85
97.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.829	0.453	0.000	0.00	0.90
97.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.829	0.453	0.000	10.05	3.69
97.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.829	0.453	0.000	0.00	0.27
97.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.829	0.453	0.000	0.00	6.57
97.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.829	0.453	0.000	0.00	0.24
97.00	(4) #18 Dywidag bars	Yes	1.00	0.605	7.00	0.58	0.35	28.829	0.453	0.000	17.90	0.00
97.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.829	0.453	0.000	10.05	8.85
98.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.913	0.456	0.000	0.00	0.90
98.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.913	0.456	0.000	10.08	3.69
98.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.913	0.456	0.000	0.00	0.27
98.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.913	0.456	0.000	0.00	6.57
98.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.913	0.456	0.000	0.00	0.24
98.00	(4) #18 Dywidag bars	Yes	1.00	0.604	7.00	0.58	0.35	28.913	0.456	0.000	17.92	0.00
98.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.913	0.456	0.000	10.08	8.85
99.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	28.997	0.459	0.000	0.00	0.90
99.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.997	0.459	0.000	10.11	3.69
99.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.997	0.459	0.000	0.00	0.27
99.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	28.997	0.459	0.000	0.00	6.57
99.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	28.997	0.459	0.000	0.00	0.24
99.00	(4) #18 Dywidag bars	Yes	1.00	0.603	7.00	0.58	0.35	28.997	0.459	0.000	17.95	0.00
99.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	28.997	0.459	0.000	10.11	8.85

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page: 53



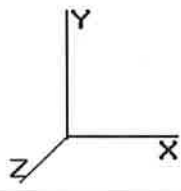
© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 0.9D + 1.6W**      110.00 mph with No Ice (Reduced DL)      32 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

100.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.081	0.462	0.000	0.00	0.90
100.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.081	0.462	0.000	10.13	3.69
100.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.081	0.462	0.000	0.00	0.27
100.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.081	0.462	0.000	0.00	6.57
100.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.081	0.462	0.000	0.00	0.24
100.0	(4) #18 Dywidag bars	Yes	1.00	0.602	7.00	0.58	0.35	29.081	0.462	0.000	17.97	0.00
100.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.081	0.462	0.000	10.13	8.85
101.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.164	0.465	0.000	0.00	0.90
101.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.164	0.465	0.000	10.16	3.69
101.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.164	0.465	0.000	0.00	0.27
101.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.164	0.465	0.000	0.00	6.57
101.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.164	0.465	0.000	0.00	0.24
101.0	(4) #18 Dywidag bars	Yes	1.00	0.601	7.00	0.58	0.35	29.164	0.465	0.000	18.00	0.00
101.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.164	0.465	0.000	10.16	8.85
102.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.246	0.468	0.000	0.00	0.90
102.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.246	0.468	0.000	10.19	3.69
102.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.246	0.468	0.000	0.00	0.27
102.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.246	0.468	0.000	0.00	6.57
102.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.246	0.468	0.000	0.00	0.24
102.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.246	0.468	0.000	18.02	0.00
102.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.246	0.468	0.000	10.19	8.85
103.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.328	0.472	0.000	0.00	0.90
103.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.328	0.472	0.000	10.22	3.69
103.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.328	0.472	0.000	0.00	0.27
103.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.328	0.472	0.000	0.00	6.57
103.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.328	0.472	0.000	0.00	0.24
103.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.328	0.472	0.000	18.07	0.00
103.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.328	0.472	0.000	10.22	8.85
104.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.409	0.475	0.000	0.00	0.90
104.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.409	0.475	0.000	10.25	3.69
104.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.409	0.475	0.000	0.00	0.27
104.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.409	0.475	0.000	0.00	6.57
104.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.409	0.475	0.000	0.00	0.24
104.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.409	0.475	0.000	18.12	0.00
104.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.409	0.475	0.000	10.25	8.85
105.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.489	0.478	0.000	0.00	0.90
105.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.489	0.478	0.000	10.28	3.69
105.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.489	0.478	0.000	0.00	0.27
105.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.489	0.478	0.000	0.00	6.57
105.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.489	0.478	0.000	0.00	0.24
105.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.489	0.478	0.000	18.17	0.00
105.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.489	0.478	0.000	10.28	8.85
106.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.569	0.482	0.000	0.00	0.90
106.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.569	0.482	0.000	10.30	3.69
106.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.569	0.482	0.000	0.00	0.27
106.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.569	0.482	0.000	0.00	6.57
106.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.569	0.482	0.000	0.00	0.24
106.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.569	0.482	0.000	18.21	0.00
106.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.569	0.482	0.000	10.30	8.85
107.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.649	0.485	0.000	0.00	0.90
107.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.649	0.485	0.000	10.33	3.69
107.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.649	0.485	0.000	0.00	0.27
107.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.649	0.485	0.000	0.00	6.57
107.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.649	0.485	0.000	0.00	0.24
107.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.649	0.485	0.000	18.26	0.00
107.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.649	0.485	0.000	10.33	8.85
108.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.727	0.489	0.000	0.00	0.90

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 0.9D + 1.6W**                      **110.00 mph with No Ice (Reduced DL)**                      **32 Iterations**

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

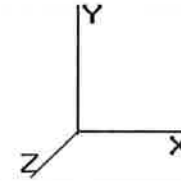
Dead Load Factor : 0.90

Wind Load Factor : 1.60

108.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.727	0.489	0.000	10.36	3.69
108.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.727	0.489	0.000	0.00	0.27
108.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.727	0.489	0.000	0.00	6.57
108.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.727	0.489	0.000	0.00	0.24
108.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.727	0.489	0.000	18.31	0.00
108.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.727	0.489	0.000	10.36	8.85
109.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.806	0.492	0.000	0.00	0.90
109.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.806	0.492	0.000	10.39	3.69
109.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.806	0.492	0.000	0.00	0.27
109.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.806	0.492	0.000	0.00	6.57
109.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.806	0.492	0.000	0.00	0.24
109.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.806	0.492	0.000	18.36	0.00
109.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.806	0.492	0.000	10.39	8.85
110.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.884	0.496	0.000	0.00	0.90
110.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.884	0.496	0.000	10.41	3.69
110.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.884	0.496	0.000	0.00	0.27
110.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.884	0.496	0.000	0.00	6.57
110.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.884	0.496	0.000	0.00	0.24
110.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.884	0.496	0.000	18.41	0.00
110.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	29.884	0.496	0.000	10.41	8.85
110.0	(1) 1 1/4" Hybriflex	Yes	0.00	0.000	0.00	0.00	0.00	29.884	0.498	0.000	0.00	0.00
110.0	(5) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	29.884	0.498	0.000	0.03	0.01
110.0	(2) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	29.884	0.498	0.000	0.00	0.00
110.0	(2) 2" Conduit	Yes	0.00	0.000	0.00	0.00	0.00	29.884	0.498	0.000	0.00	0.02
110.0	(6) 5/16" Coax	Yes	0.00	0.000	0.00	0.00	0.00	29.884	0.498	0.000	0.00	0.00
110.0	(4) #18 Dywidag bars	Yes	0.00	0.600	7.00	0.00	0.00	29.884	0.498	0.000	0.06	0.00
110.0	(12) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	29.884	0.498	0.000	0.03	0.03
111.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	29.961	0.500	0.000	0.00	0.90
111.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	29.961	0.500	0.000	10.41	3.68
111.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.961	0.500	0.000	0.00	0.27
111.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	29.961	0.500	0.000	0.00	6.55
111.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	29.961	0.500	0.000	0.00	0.24
111.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	29.961	0.500	0.000	18.39	0.00
111.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	29.961	0.500	0.000	10.41	8.83
112.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.038	0.503	0.000	0.00	0.90
112.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.038	0.503	0.000	10.47	3.69
112.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.038	0.503	0.000	0.00	0.27
112.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.038	0.503	0.000	0.00	6.57
112.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.038	0.503	0.000	0.00	0.24
112.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.038	0.503	0.000	18.50	0.00
112.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.038	0.503	0.000	10.47	8.85
113.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.114	0.507	0.000	0.00	0.90
113.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.114	0.507	0.000	10.49	3.69
113.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.114	0.507	0.000	0.00	0.27
113.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.114	0.507	0.000	0.00	6.57
113.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.114	0.507	0.000	0.00	0.24
113.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.114	0.507	0.000	18.55	0.00
113.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.114	0.507	0.000	10.49	8.85
114.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.190	0.511	0.000	0.00	0.90
114.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.190	0.511	0.000	10.52	3.69
114.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.190	0.511	0.000	0.00	0.27
114.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.190	0.511	0.000	0.00	6.57
114.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.190	0.511	0.000	0.00	0.24
114.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.190	0.511	0.000	18.60	0.00
114.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.190	0.511	0.000	10.52	8.85
115.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.266	0.515	0.000	0.00	0.90
115.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.266	0.515	0.000	10.55	3.69

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:08 PM  
 Page: 55

© 2007 - 2015 by ATC IP LLC. All rights reserved.

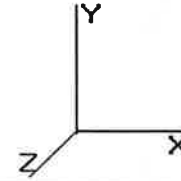
<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>32 Iterations</b>
<b>Gust Response Factor : 1.10</b>		<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 0.90</b>		
<b>Wind Load Factor : 1.60</b>		

115.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.266	0.515	0.000	0.00	0.27
115.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.266	0.515	0.000	0.00	6.57
115.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.266	0.515	0.000	0.00	0.24
115.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	0.35	30.266	0.515	0.000	18.64	0.00
115.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.266	0.515	0.000	10.55	8.85
116.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.341	0.519	0.000	0.00	0.90
116.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.341	0.519	0.000	10.57	3.69
116.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.341	0.519	0.000	0.00	0.27
116.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.341	0.519	0.000	0.00	6.57
116.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.341	0.519	0.000	0.00	0.24
116.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	0.35	30.341	0.519	0.000	18.69	0.00
116.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.341	0.519	0.000	10.57	8.85
117.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.415	0.523	0.000	0.00	0.90
117.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.415	0.523	0.000	10.60	3.69
117.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.415	0.523	0.000	0.00	0.27
117.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.415	0.523	0.000	0.00	6.57
117.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.415	0.523	0.000	0.00	0.24
117.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	0.35	30.415	0.523	0.000	18.74	0.00
117.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.415	0.523	0.000	10.60	8.85
118.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.489	0.527	0.000	0.00	0.90
118.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.489	0.527	0.000	10.62	3.69
118.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.489	0.527	0.000	0.00	0.27
118.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.489	0.527	0.000	0.00	6.57
118.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.489	0.527	0.000	0.00	0.24
118.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	0.35	30.489	0.527	0.000	18.78	0.00
118.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.489	0.527	0.000	10.62	8.85
119.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.563	0.531	0.000	0.00	0.90
119.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.563	0.531	0.000	10.65	3.69
119.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.563	0.531	0.000	0.00	0.27
119.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.563	0.531	0.000	0.00	6.57
119.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.563	0.531	0.000	0.00	0.24
119.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	0.35	30.563	0.531	0.000	18.83	0.00
119.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.563	0.531	0.000	10.65	8.85
120.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.636	0.535	0.000	0.00	0.90
120.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.636	0.535	0.000	10.68	3.69
120.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.636	0.535	0.000	0.00	0.27
120.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.636	0.535	0.000	0.00	6.57
120.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.636	0.535	0.000	0.00	0.24
120.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	0.35	30.636	0.535	0.000	18.87	0.00
120.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.636	0.535	0.000	10.68	8.85
121.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.709	0.539	0.000	0.00	0.90
121.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.709	0.539	0.000	10.70	3.69
121.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.709	0.539	0.000	0.00	0.27
121.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.709	0.539	0.000	0.00	6.57
121.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.709	0.539	0.000	0.00	0.24
121.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	0.35	30.709	0.539	0.000	18.92	0.00
121.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.709	0.539	0.000	10.70	8.85
122.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.781	0.544	0.000	0.00	0.90
122.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.781	0.544	0.000	10.73	3.69
122.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.781	0.544	0.000	0.00	0.27
122.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.781	0.544	0.000	0.00	6.57
122.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.781	0.544	0.000	0.00	0.24
122.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	0.35	30.781	0.544	0.000	18.96	0.00
122.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.781	0.544	0.000	10.73	8.85
123.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.853	0.548	0.000	0.00	0.90
123.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	0.20	30.853	0.548	0.000	10.75	3.69
123.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	30.853	0.548	0.000	0.00	0.27

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page: 56



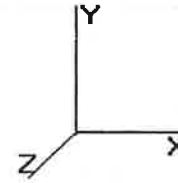
© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>32 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

123.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.853	0.548	0.000	0.00	6.57
123.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.853	0.548	0.000	0.00	0.24
123.0	(4) #18 Dywidag bars	Yes	1.00	0.600	7.00	0.58	0.35	30.853	0.548	0.000	19.01	0.00
123.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.853	0.548	0.000	10.75	8.85
124.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.924	0.302	0.000	0.00	0.90
124.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.924	0.302	0.000	10.78	3.69
124.0	(7) 1 5/8" Coax	Yes	1.00	1.022	4.00	0.33	0.34	30.924	0.302	0.000	18.53	5.17
124.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.924	0.302	0.000	0.00	0.27
124.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.924	0.302	0.000	0.00	6.57
124.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.924	0.302	0.000	0.00	0.24
125.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	30.995	0.304	0.000	0.00	0.90
125.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	30.995	0.304	0.000	10.80	3.69
125.0	(7) 1 5/8" Coax	Yes	1.00	1.020	4.00	0.33	0.34	30.995	0.304	0.000	18.56	5.17
125.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.995	0.304	0.000	0.00	0.27
125.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	30.995	0.304	0.000	0.00	6.57
125.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	30.995	0.304	0.000	0.00	0.24
126.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.066	0.307	0.000	0.00	0.90
126.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.066	0.307	0.000	10.83	3.69
126.0	(7) 1 5/8" Coax	Yes	1.00	1.019	4.00	0.33	0.34	31.066	0.307	0.000	18.58	5.17
126.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.066	0.307	0.000	0.00	0.27
126.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.066	0.307	0.000	0.00	6.57
126.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.066	0.307	0.000	0.00	0.24
127.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.136	0.309	0.000	0.00	0.90
127.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.136	0.309	0.000	10.85	3.69
127.0	(7) 1 5/8" Coax	Yes	1.00	1.018	4.00	0.33	0.34	31.136	0.309	0.000	18.60	5.17
127.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.136	0.309	0.000	0.00	0.27
127.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.136	0.309	0.000	0.00	6.57
127.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.136	0.309	0.000	0.00	0.24
128.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.206	0.312	0.000	0.00	0.90
128.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.206	0.312	0.000	10.87	3.69
128.0	(7) 1 5/8" Coax	Yes	1.00	1.017	4.00	0.33	0.34	31.206	0.312	0.000	18.62	5.17
128.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.206	0.312	0.000	0.00	0.27
128.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.206	0.312	0.000	0.00	6.57
128.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.206	0.312	0.000	0.00	0.24
129.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.276	0.314	0.000	0.00	0.90
129.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.276	0.314	0.000	10.90	3.69
129.0	(7) 1 5/8" Coax	Yes	1.00	1.016	4.00	0.33	0.34	31.276	0.314	0.000	18.64	5.17
129.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.276	0.314	0.000	0.00	0.27
129.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.276	0.314	0.000	0.00	6.57
129.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.276	0.314	0.000	0.00	0.24
130.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.345	0.317	0.000	0.00	0.90
130.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.345	0.317	0.000	10.92	3.69
130.0	(7) 1 5/8" Coax	Yes	1.00	1.015	4.00	0.33	0.34	31.345	0.317	0.000	18.66	5.17
130.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.345	0.317	0.000	0.00	0.27
130.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	31.345	0.317	0.000	0.00	6.57
130.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	31.345	0.317	0.000	0.00	0.24
131.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.413	0.320	0.000	0.00	0.90
131.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.413	0.320	0.000	10.95	3.69
131.0	(7) 1 5/8" Coax	Yes	1.00	1.014	4.00	0.33	0.34	31.413	0.320	0.000	18.68	5.17
132.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.482	0.323	0.000	0.00	0.90
132.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.482	0.323	0.000	10.97	3.69
132.0	(7) 1 5/8" Coax	Yes	1.00	1.013	4.00	0.33	0.34	31.482	0.323	0.000	18.70	5.17
133.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.550	0.326	0.000	0.00	0.90
133.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.550	0.326	0.000	10.99	3.69
133.0	(7) 1 5/8" Coax	Yes	1.00	1.011	4.00	0.33	0.34	31.550	0.326	0.000	18.72	5.17
134.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.617	0.328	0.000	0.00	0.90
134.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.617	0.328	0.000	11.02	3.69

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:08 PM  
 Page: 57

© 2007 - 2015 by ATC IP LLC. All rights reserved.

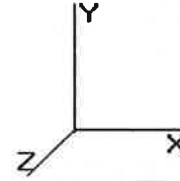
<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	32 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

134.0	(7) 1 5/8" Coax	Yes	1.00	1.010	4.00	0.33	0.34	31.617	0.328	0.000	18.74	5.17
135.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.684	0.331	0.000	0.00	0.90
135.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.684	0.331	0.000	11.04	3.69
135.0	(7) 1 5/8" Coax	Yes	1.00	1.009	4.00	0.33	0.34	31.684	0.331	0.000	18.76	5.17
136.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.751	0.334	0.000	0.00	0.90
136.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.751	0.334	0.000	11.06	3.69
136.0	(7) 1 5/8" Coax	Yes	1.00	1.008	4.00	0.33	0.34	31.751	0.334	0.000	18.78	5.17
137.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.818	0.337	0.000	0.00	0.90
137.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.818	0.337	0.000	11.09	3.69
137.0	(7) 1 5/8" Coax	Yes	1.00	1.007	4.00	0.33	0.34	31.818	0.337	0.000	18.80	5.17
138.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.884	0.341	0.000	0.00	0.90
138.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.884	0.341	0.000	11.11	3.69
138.0	(7) 1 5/8" Coax	Yes	1.00	1.006	4.00	0.33	0.34	31.884	0.341	0.000	18.82	5.17
139.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	31.950	0.344	0.000	0.00	0.90
139.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	31.950	0.344	0.000	11.13	3.69
139.0	(7) 1 5/8" Coax	Yes	1.00	1.005	4.00	0.33	0.34	31.950	0.344	0.000	18.84	5.17
140.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	32.015	0.347	0.000	0.00	0.90
140.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	32.015	0.347	0.000	11.16	3.69
140.0	(7) 1 5/8" Coax	Yes	1.00	1.004	4.00	0.33	0.33	32.015	0.347	0.000	18.86	5.17
<b>Totals:</b>											<b>4,716.50</b>	<b>2,745.26</b>

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page : 58



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      110.00 mph with No Ice (Reduced DL)      32 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**

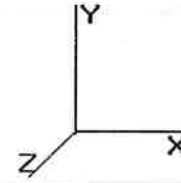
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	169.49	288.66	0.00	0.00
2.00	168.90	288.08	0.00	0.00
3.00	168.31	348.74	0.00	0.00
4.00	167.72	348.16	0.00	0.00
5.00	167.14	347.58	0.00	0.00
6.00	166.55	347.00	0.00	0.00
7.00	165.96	346.42	0.00	0.00
8.00	165.37	345.84	0.00	0.00
9.00	164.78	345.26	0.00	0.00
10.00	164.20	344.69	0.00	0.00
11.00	163.61	344.11	0.00	0.00
12.00	163.02	343.53	0.00	0.00
13.00	162.43	342.95	0.00	0.00
14.00	161.84	342.37	0.00	0.00
15.00	161.25	341.79	0.00	0.00
16.00	160.67	341.21	0.00	0.00
17.00	160.08	340.63	0.00	0.00
18.00	159.49	340.05	0.00	0.00
19.00	158.90	278.23	0.00	0.00
20.00	158.31	277.65	0.00	0.00
21.00	157.73	277.07	0.00	0.00
22.00	157.14	276.49	0.00	0.00
23.00	156.55	275.91	0.00	0.00
24.00	155.96	275.33	0.00	0.00
25.00	155.37	274.75	0.00	0.00
26.00	154.79	274.17	0.00	0.00
27.00	154.20	273.59	0.00	0.00
28.00	153.61	273.01	0.00	0.00
29.00	153.02	272.43	0.00	0.00
30.00	152.55	271.85	0.00	0.00
31.00	153.33	271.27	0.00	0.00
31.50	77.29	136.32	0.00	0.00
32.00	77.63	184.53	0.00	0.00
33.00	157.16	370.74	0.00	0.00
34.00	157.83	369.68	0.00	0.00
35.00	158.46	368.61	0.00	0.00
35.67	106.37	246.37	0.00	0.00
36.00	52.42	82.87	0.00	0.00
37.00	159.62	250.79	0.00	0.00
38.00	160.15	250.31	0.00	0.00
39.00	160.65	249.83	0.00	0.00
40.00	161.12	249.34	0.00	0.00
41.00	161.57	248.86	0.00	0.00
42.00	161.98	248.37	0.00	0.00
43.00	162.37	247.89	0.00	0.00
44.00	162.73	247.41	0.00	0.00
45.00	163.06	246.92	0.00	0.00
46.00	163.37	246.44	0.00	0.00
47.00	163.66	245.96	0.00	0.00



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page: 59



© 2007 - 2015 by ATC IP LLC. All rights reserved.

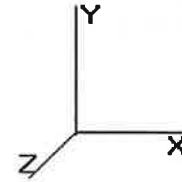
**Load Case:** 0.9D + 1.6W      110.00 mph with No Ice (Reduced DL)      32 Iterations  
**Gust Response Factor :** 1.10      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 0.90  
**Wind Load Factor :** 1.60

48.00	163.93	245.47	0.00	0.00
49.00	164.17	244.99	0.00	0.00
50.00	164.39	244.51	0.00	0.00
51.00	164.59	244.02	0.00	0.00
52.00	164.78	243.54	0.00	0.00
53.00	164.94	243.05	0.00	0.00
54.00	165.08	242.57	0.00	0.00
55.00	165.21	242.09	0.00	0.00
56.00	165.31	241.60	0.00	0.00
57.00	165.40	241.12	0.00	0.00
58.00	165.47	240.64	0.00	0.00
59.00	165.53	240.15	0.00	0.00
60.00	165.57	185.27	0.00	0.00
61.00	165.59	184.79	0.00	0.00
62.00	165.60	184.30	0.00	0.00
63.00	165.59	183.82	0.00	0.00
64.00	165.57	183.33	0.00	0.00
65.00	165.53	182.85	0.00	0.00
66.00	165.48	182.37	0.00	0.00
67.00	165.42	181.88	0.00	0.00
68.00	165.34	181.40	0.00	0.00
69.00	1,098.50	294.32	0.00	933.25
70.00	165.14	180.36	0.00	0.00
70.00	0.55	0.60	0.00	0.00
71.00	166.87	246.13	0.00	0.00
72.00	167.31	246.08	0.00	0.00
73.00	167.18	245.21	0.00	0.00
73.50	84.01	123.10	0.00	0.00
74.00	82.86	81.18	0.00	0.00
75.00	166.88	163.17	0.00	0.00
76.00	166.71	162.78	0.00	0.00
77.00	166.53	162.39	0.00	0.00
78.00	166.34	162.01	0.00	0.00
79.00	166.14	161.62	0.00	0.00
80.00	165.93	161.23	0.00	0.00
81.00	165.70	160.85	0.00	0.00
82.00	165.47	160.46	0.00	0.00
83.00	165.23	160.07	0.00	0.00
84.00	164.97	159.69	0.00	0.00
85.00	164.71	159.30	0.00	0.00
86.00	164.43	158.92	0.00	0.00
87.00	164.15	158.53	0.00	0.00
88.00	163.86	158.14	0.00	0.00
89.00	163.56	157.76	0.00	0.00
90.00	163.25	157.37	0.00	0.00
91.00	162.93	156.98	0.00	0.00
92.00	162.60	156.60	0.00	0.00
93.00	432.97	351.51	0.00	0.00
94.00	161.91	155.53	0.00	0.00
95.00	161.56	155.14	0.00	0.00
96.00	161.20	154.76	0.00	0.00
97.00	160.82	154.37	0.00	0.00
98.00	160.44	153.98	0.00	0.00
99.00	160.06	153.60	0.00	0.00
100.0	159.66	153.21	0.00	0.00
101.0	159.26	152.82	0.00	0.00
102.0	158.84	152.44	0.00	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page: 60



© 2007 - 2015 by ATC IP LLC. All rights reserved.

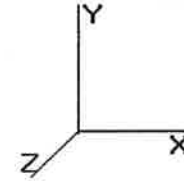
<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	32 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

103.0	586.86	362.65	0.00	0.00
104.0	158.04	151.07	0.00	0.00
105.0	157.63	150.68	0.00	0.00
106.0	157.21	150.30	0.00	0.00
107.0	156.79	149.91	0.00	0.00
108.0	156.36	149.53	0.00	0.00
109.0	155.92	149.14	0.00	0.00
110.0	155.47	148.75	0.00	0.00
110.0	0.52	0.50	0.00	0.00
111.0	154.50	135.23	0.00	0.00
112.0	154.56	135.39	0.00	0.00
113.0	3,135.65	1,179.46	0.00	0.00
114.0	153.62	126.83	0.00	0.00
115.0	153.14	126.54	0.00	0.00
116.0	152.65	126.25	0.00	0.00
117.0	152.16	125.96	0.00	0.00
118.0	151.66	125.67	0.00	0.00
119.0	151.15	125.38	0.00	0.00
120.0	150.64	70.69	0.00	0.00
121.0	150.12	70.40	0.00	0.00
122.0	149.60	70.11	0.00	0.00
123.0	149.06	69.82	0.00	0.00
124.0	137.23	65.84	0.00	0.00
125.0	136.64	65.55	0.00	0.00
126.0	136.05	65.26	0.00	0.00
127.0	135.44	64.97	0.00	0.00
128.0	134.84	64.68	0.00	0.00
129.0	134.22	64.39	0.00	0.00
130.0	1,652.67	824.24	0.00	0.00
131.0	132.98	56.72	0.00	0.00
132.0	132.35	56.43	0.00	0.00
133.0	131.71	56.14	0.00	0.00
134.0	131.07	55.85	0.00	0.00
135.0	130.43	55.56	0.00	0.00
136.0	129.78	55.27	0.00	0.00
137.0	129.12	54.98	0.00	0.00
138.0	128.46	54.69	0.00	0.00
139.0	127.79	54.40	0.00	0.00
140.0	2,382.43	1,202.96	0.00	0.00
141.0	80.32	44.06	0.00	0.00
142.0	79.72	43.77	0.00	0.00
143.0	79.11	43.48	0.00	0.00
144.0	78.50	43.19	0.00	0.00
145.0	77.89	42.90	0.00	0.00
146.0	77.27	42.61	0.00	0.00
147.0	76.65	42.32	0.00	0.00
148.0	76.03	42.03	0.00	0.00
149.0	75.40	41.74	0.00	0.00
150.0	4,411.03	2,953.58	0.00	7,079.77
<b>Totals:</b>	<b>35,575.18</b>	<b>34,903.93</b>	<b>0.00</b>	<b>8,013.02</b>

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:08 PM  
 Page: 61



© 2007 - 2015 by ATC I PLLC. All rights reserved.

<b>Load Case:</b> 0.9D + 1.6W	110.00 mph with No Ice (Reduced DL)	32 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

**Calculated Forces**

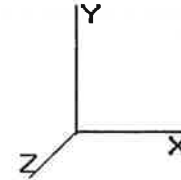
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-34.88	-35.59	0.00	-3,378.99	0.00	3,378.99	3,133.66	1,566.83	4,776.46	2,358.91	0.00	0.00	0.675
1.00	-34.56	-35.46	0.00	-3,343.40	0.00	3,343.40	3,125.28	1,562.64	4,743.31	2,342.54	0.01	-0.06	0.670
2.00	-34.24	-35.32	0.00	-3,307.94	0.00	3,307.94	3,116.86	1,558.43	4,710.21	2,326.20	0.03	-0.11	0.666
3.00	-33.86	-35.18	0.00	-3,272.62	0.00	3,272.62	3,108.40	1,554.20	4,677.16	2,309.87	0.06	-0.17	0.551
4.00	-33.48	-35.04	0.00	-3,237.44	0.00	3,237.44	3,099.89	1,549.95	4,644.15	2,293.57	0.10	-0.22	0.547
5.00	-33.10	-34.90	0.00	-3,202.40	0.00	3,202.40	3,091.35	1,545.67	4,611.19	2,277.30	0.15	-0.27	0.543
6.00	-32.73	-34.76	0.00	-3,167.50	0.00	3,167.50	3,082.76	1,541.38	4,578.29	2,261.04	0.21	-0.31	0.539
7.00	-32.36	-34.62	0.00	-3,132.74	0.00	3,132.74	3,074.13	1,537.07	4,545.43	2,244.82	0.28	-0.36	0.535
8.00	-31.98	-34.48	0.00	-3,098.13	0.00	3,098.13	3,065.46	1,532.73	4,512.63	2,228.62	0.36	-0.41	0.531
9.00	-31.61	-34.33	0.00	-3,063.65	0.00	3,063.65	3,056.75	1,528.37	4,479.87	2,212.44	0.45	-0.45	0.527
10.00	-31.24	-34.19	0.00	-3,029.32	0.00	3,029.32	3,047.99	1,524.00	4,447.17	2,196.29	0.55	-0.50	0.523
11.00	-30.87	-34.05	0.00	-2,995.12	0.00	2,995.12	3,039.20	1,519.60	4,414.53	2,180.17	0.66	-0.55	0.519
12.00	-30.50	-33.91	0.00	-2,961.07	0.00	2,961.07	3,030.36	1,515.18	4,381.94	2,164.07	0.78	-0.60	0.515
13.00	-30.13	-33.77	0.00	-2,927.16	0.00	2,927.16	3,021.48	1,510.74	4,349.40	2,148.01	0.92	-0.64	0.511
14.00	-29.76	-33.63	0.00	-2,893.39	0.00	2,893.39	3,012.56	1,506.28	4,316.92	2,131.97	1.05	-0.69	0.506
15.00	-29.40	-33.48	0.00	-2,859.77	0.00	2,859.77	3,003.60	1,501.80	4,284.50	2,115.95	1.20	-0.73	0.502
16.00	-29.03	-33.34	0.00	-2,826.28	0.00	2,826.28	2,994.60	1,497.30	4,252.13	2,099.97	1.36	-0.78	0.498
17.00	-28.67	-33.20	0.00	-2,792.94	0.00	2,792.94	2,985.55	1,492.78	4,219.83	2,084.01	1.53	-0.83	0.494
18.00	-28.30	-33.06	0.00	-2,759.74	0.00	2,759.74	2,976.47	1,488.23	4,187.58	2,068.09	1.71	-0.87	0.490
18.00	-28.30	-33.06	0.00	-2,759.74	0.00	2,759.74	2,976.47	1,488.23	4,187.58	2,068.09	1.71	-0.87	0.590
19.00	-28.00	-32.92	0.00	-2,726.68	0.00	2,726.68	2,967.34	1,483.67	4,155.39	2,052.19	1.90	-0.92	0.585
20.00	-27.69	-32.79	0.00	-2,693.76	0.00	2,693.76	2,958.17	1,479.08	4,123.27	2,036.33	2.10	-0.98	0.580
21.00	-27.38	-32.65	0.00	-2,660.97	0.00	2,660.97	2,948.96	1,474.48	4,091.20	2,020.49	2.31	-1.03	0.576
22.00	-27.08	-32.51	0.00	-2,628.33	0.00	2,628.33	2,939.70	1,469.85	4,059.20	2,004.69	2.53	-1.09	0.571
23.00	-26.78	-32.38	0.00	-2,595.81	0.00	2,595.81	2,930.41	1,465.20	4,027.26	1,988.91	2.77	-1.14	0.566
24.00	-26.47	-32.24	0.00	-2,563.44	0.00	2,563.44	2,921.07	1,460.54	3,995.39	1,973.17	3.01	-1.20	0.561
25.00	-26.17	-32.10	0.00	-2,531.20	0.00	2,531.20	2,911.70	1,455.85	3,963.58	1,957.46	3.27	-1.25	0.556
26.00	-25.87	-31.97	0.00	-2,499.09	0.00	2,499.09	2,902.28	1,451.14	3,931.84	1,941.79	3.54	-1.30	0.551
27.00	-25.57	-31.83	0.00	-2,467.13	0.00	2,467.13	2,892.81	1,446.41	3,900.17	1,926.14	3.82	-1.36	0.547
28.00	-25.27	-31.70	0.00	-2,435.30	0.00	2,435.30	2,883.31	1,441.66	3,868.56	1,910.54	4.11	-1.41	0.542
29.00	-24.97	-31.56	0.00	-2,403.60	0.00	2,403.60	2,873.77	1,436.88	3,837.02	1,894.96	4.41	-1.47	0.537
30.00	-24.67	-31.42	0.00	-2,372.04	0.00	2,372.04	2,864.18	1,432.09	3,805.55	1,879.42	4.72	-1.52	0.532
31.00	-24.39	-31.28	0.00	-2,340.62	0.00	2,340.62	2,854.56	1,427.28	3,774.15	1,863.91	5.05	-1.58	0.527
31.50	-24.24	-31.21	0.00	-2,324.88	0.00	2,324.88	2,849.69	1,424.85	3,758.37	1,856.12	5.22	-1.60	0.524
32.00	-24.03	-31.14	0.00	-2,309.37	0.00	2,309.37	2,844.89	1,422.44	3,742.82	1,848.44	5.38	-1.63	0.513
33.00	-23.64	-31.00	0.00	-2,278.23	0.00	2,278.23	2,833.37	1,416.69	3,709.20	1,831.83	5.73	-1.68	0.509
34.00	-23.25	-30.85	0.00	-2,247.23	0.00	2,247.23	2,819.42	1,409.71	3,672.56	1,813.74	6.09	-1.73	0.504
35.00	-22.86	-30.70	0.00	-2,216.38	0.00	2,216.38	2,805.48	1,402.74	3,636.10	1,795.73	6.46	-1.79	0.500
35.67	-22.60	-30.59	0.00	-2,195.82	0.00	2,195.82	2,236.04	1,118.02	2,957.95	1,460.82	6.71	-1.82	0.566
36.00	-22.50	-30.55	0.00	-2,185.72	0.00	2,185.72	2,233.84	1,116.92	2,950.23	1,457.01	6.84	-1.84	0.564
37.00	-22.23	-30.41	0.00	-2,155.17	0.00	2,155.17	2,227.15	1,113.58	2,926.88	1,445.48	7.23	-1.89	0.558
38.00	-21.95	-30.26	0.00	-2,124.76	0.00	2,124.76	2,220.42	1,110.21	2,903.56	1,433.96	7.63	-1.95	0.552
39.00	-21.68	-30.11	0.00	-2,094.51	0.00	2,094.51	2,213.65	1,106.83	2,880.28	1,422.46	8.05	-2.00	0.546
40.00	-21.41	-29.96	0.00	-2,064.40	0.00	2,064.40	2,206.84	1,103.42	2,857.02	1,410.98	8.47	-2.05	0.540
41.00	-21.14	-29.81	0.00	-2,034.44	0.00	2,034.44	2,199.98	1,099.99	2,833.81	1,399.51	8.91	-2.11	0.534
42.00	-20.87	-29.66	0.00	-2,004.63	0.00	2,004.63	2,193.09	1,096.54	2,810.63	1,388.06	9.36	-2.16	0.528
43.00	-20.60	-29.50	0.00	-1,974.97	0.00	1,974.97	2,186.15	1,093.07	2,787.48	1,376.63	9.82	-2.21	0.522
44.00	-20.33	-29.35	0.00	-1,945.47	0.00	1,945.47	2,179.17	1,089.58	2,764.38	1,365.22	10.29	-2.27	0.516
45.00	-20.07	-29.20	0.00	-1,916.12	0.00	1,916.12	2,172.15	1,086.07	2,741.31	1,353.83	10.77	-2.32	0.510
46.00	-19.80	-29.04	0.00	-1,886.92	0.00	1,886.92	2,165.08	1,082.54	2,718.28	1,342.46	11.26	-2.37	0.504
47.00	-19.54	-28.88	0.00	-1,857.88	0.00	1,857.88	2,157.98	1,078.99	2,695.29	1,331.10	11.76	-2.42	0.498



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page : 63



© 2007 - 2015 by ATC IP LLC. All rights reserved.

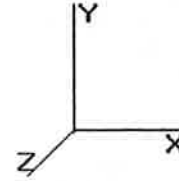
<b>Load Case: 0.9D + 1.6W</b>	<b>110.00 mph with No Ice (Reduced DL)</b>	<b>32 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

102.00	-8.41	-18.67	0.00	-542.39	0.00	542.39	1,302.62	651.31	1,193.75	589.55	57.47	-5.46	0.292
103.00	-8.10	-18.05	0.00	-523.72	0.00	523.72	1,296.39	648.19	1,179.59	582.55	58.61	-5.50	0.283
104.00	-7.95	-17.89	0.00	-505.67	0.00	505.67	1,290.11	645.06	1,165.47	575.58	59.77	-5.54	0.274
105.00	-7.80	-17.72	0.00	-487.78	0.00	487.78	1,283.80	641.90	1,151.40	568.63	60.93	-5.58	0.266
106.00	-7.66	-17.55	0.00	-470.06	0.00	470.06	1,277.45	638.72	1,137.37	561.70	62.10	-5.62	0.257
107.00	-7.51	-17.39	0.00	-452.51	0.00	452.51	1,271.05	635.53	1,123.39	554.80	63.28	-5.66	0.248
108.00	-7.37	-17.22	0.00	-435.12	0.00	435.12	1,264.61	632.31	1,109.46	547.92	64.47	-5.69	0.240
109.00	-7.22	-17.06	0.00	-417.90	0.00	417.90	1,256.49	628.25	1,094.14	540.35	65.66	-5.73	0.231
110.00	-7.08	-16.89	0.00	-400.84	0.00	400.84	1,247.19	623.60	1,077.91	532.34	66.87	-5.76	0.223
110.00	-7.08	-16.89	0.00	-400.79	0.00	400.79	1,247.16	623.58	1,077.86	532.31	66.87	-5.76	0.223
110.00	-7.08	-16.89	0.00	-400.79	0.00	400.79	1,247.16	623.58	1,077.86	532.31	66.87	-5.76	0.223
111.00	-6.95	-16.73	0.00	-383.95	0.00	383.95	846.28	423.14	730.22	360.63	68.08	-5.80	0.256
112.00	-6.82	-16.57	0.00	-367.22	0.00	367.22	842.69	421.35	721.63	356.39	69.29	-5.83	0.245
113.00	-5.96	-13.33	0.00	-350.66	0.00	350.66	839.07	419.54	713.06	352.15	70.52	-5.87	0.234
114.00	-5.84	-13.17	0.00	-337.33	0.00	337.33	835.41	417.70	704.50	347.92	71.75	-5.90	0.226
115.00	-5.72	-13.00	0.00	-324.16	0.00	324.16	831.70	415.85	695.95	343.70	72.99	-5.93	0.217
116.00	-5.61	-12.84	0.00	-311.16	0.00	311.16	827.95	413.98	687.42	339.49	74.23	-5.97	0.209
117.00	-5.49	-12.68	0.00	-298.32	0.00	298.32	824.16	412.08	678.90	335.28	75.48	-6.00	0.201
118.00	-5.38	-12.52	0.00	-285.64	0.00	285.64	820.33	410.17	670.39	331.08	76.74	-6.03	0.192
119.00	-5.26	-12.36	0.00	-273.12	0.00	273.12	816.46	408.23	661.91	326.89	78.00	-6.05	0.184
119.00	-5.26	-12.36	0.00	-273.12	0.00	273.12	816.46	408.23	661.91	326.89	78.00	-6.05	0.184
120.00	-5.19	-12.21	0.00	-260.76	0.00	260.76	812.54	406.27	653.43	322.71	79.27	-6.08	0.185
121.00	-5.11	-12.06	0.00	-248.55	0.00	248.55	808.59	404.29	644.98	318.53	80.56	-6.21	0.788
122.00	-5.03	-11.92	0.00	-236.49	0.00	236.49	804.59	402.30	636.55	314.37	81.87	-6.33	0.759
123.00	-4.95	-11.77	0.00	-224.57	0.00	224.57	800.55	400.28	628.13	310.21	83.21	-6.45	0.731
124.00	-4.88	-11.64	0.00	-212.80	0.00	212.80	796.47	398.24	619.74	306.07	84.57	-6.57	0.702
125.00	-4.81	-11.50	0.00	-201.16	0.00	201.16	792.35	396.17	611.37	301.93	85.95	-6.68	0.673
126.00	-4.74	-11.37	0.00	-189.66	0.00	189.66	788.19	394.09	603.01	297.81	87.36	-6.79	0.644
127.00	-4.67	-11.24	0.00	-178.29	0.00	178.29	783.98	391.99	594.69	293.69	88.79	-6.90	0.614
128.00	-4.60	-11.10	0.00	-167.05	0.00	167.05	779.73	389.87	586.38	289.59	90.25	-7.00	0.584
129.00	-4.54	-10.97	0.00	-155.95	0.00	155.95	775.44	387.72	578.10	285.50	91.72	-7.10	0.553
130.00	-3.91	-9.23	0.00	-144.98	0.00	144.98	771.11	385.56	569.85	281.43	93.21	-7.19	0.521
131.00	-3.86	-9.10	0.00	-135.75	0.00	135.75	766.74	383.37	561.62	277.36	94.72	-7.28	0.495
132.00	-3.80	-8.97	0.00	-126.65	0.00	126.65	762.33	381.16	553.41	273.31	96.25	-7.36	0.469
133.00	-3.75	-8.83	0.00	-117.68	0.00	117.68	757.87	378.94	545.24	269.27	97.80	-7.45	0.443
134.00	-3.70	-8.70	0.00	-108.84	0.00	108.84	753.38	376.69	537.09	265.25	99.37	-7.52	0.416
135.00	-3.66	-8.57	0.00	-100.14	0.00	100.14	748.84	374.42	528.98	261.24	100.95	-7.60	0.389
136.00	-3.61	-8.44	0.00	-91.57	0.00	91.57	744.26	372.13	520.89	257.25	102.54	-7.67	0.361
137.00	-3.56	-8.31	0.00	-83.13	0.00	83.13	739.64	369.82	512.83	253.27	104.15	-7.73	0.334
138.00	-3.52	-8.18	0.00	-74.82	0.00	74.82	734.98	367.49	504.81	249.31	105.77	-7.79	0.305
139.00	-3.47	-8.05	0.00	-66.65	0.00	66.65	730.27	365.14	496.82	245.36	107.40	-7.85	0.277
140.00	-2.60	-5.52	0.00	-58.60	0.00	58.60	725.52	362.76	488.86	241.43	109.05	-7.90	0.247
141.00	-2.57	-5.44	0.00	-53.08	0.00	53.08	720.74	360.37	480.93	237.51	110.71	-7.95	0.227
142.00	-2.53	-5.36	0.00	-47.64	0.00	47.64	715.91	357.95	473.04	233.62	112.37	-7.99	0.208
143.00	-2.49	-5.27	0.00	-42.28	0.00	42.28	709.92	354.96	464.46	229.38	114.04	-8.03	0.188
144.00	-2.46	-5.19	0.00	-37.01	0.00	37.01	702.92	351.46	455.30	224.86	115.72	-8.07	0.168
145.00	-2.43	-5.11	0.00	-31.82	0.00	31.82	695.93	347.97	446.23	220.38	117.41	-8.10	0.148
146.00	-2.39	-5.03	0.00	-26.71	0.00	26.71	688.94	344.47	437.26	215.95	119.11	-8.13	0.127
147.00	-2.36	-4.95	0.00	-21.68	0.00	21.68	681.95	340.97	428.38	211.56	120.81	-8.15	0.106
148.00	-2.33	-4.87	0.00	-16.73	0.00	16.73	674.96	337.48	419.58	207.22	122.51	-8.17	0.084
149.00	-2.29	-4.79	0.00	-11.87	0.00	11.87	667.96	333.98	410.88	202.92	124.22	-8.19	0.062
150.00	0.00	-4.41	0.00	-7.08	0.00	7.08	660.97	330.49	402.27	198.67	125.93	-8.20	0.036

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page : 64



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 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)**

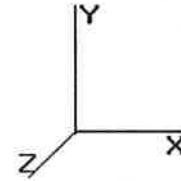
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.057	1.00	3.394	4.07	19.1	52.4	343.3
2.00	Reinf Bottom Reinf	1.00	0.70	4.256	4.682	0.000	1.200	* 1.133	1.00	3.393	4.07	19.1	56.1	346.2
3.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.180	1.00	3.388	4.07	19.0	58.2	408.8
4.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.215	1.00	3.380	4.06	19.0	59.7	409.5
5.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.242	1.00	3.371	4.05	18.9	60.9	409.9
6.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.265	1.00	3.361	4.03	18.9	61.8	410.0
7.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.285	1.00	3.351	4.02	18.8	62.5	410.0
8.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.302	1.00	3.340	4.01	18.8	63.1	409.8
9.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.317	1.00	3.330	4.00	18.7	63.6	409.5
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	409.2
11.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.344	1.00	3.307	3.97	18.6	64.4	408.8
12.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.356	1.00	3.295	3.95	18.5	64.7	408.3
13.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.367	1.00	3.284	3.94	18.4	65.0	407.8
14.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.377	1.00	3.272	3.93	18.4	65.2	407.2
15.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.386	1.00	3.260	3.91	18.3	65.4	406.7
16.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.395	1.00	3.248	3.90	18.2	65.5	406.0
17.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.404	1.00	3.236	3.88	18.2	65.6	405.4
18.00	Reinf. Top Reinf. Top	1.00	0.70	4.256	4.682	0.000	1.200	* 1.412	1.00	3.224	3.87	18.1	65.7	404.7
19.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.419	1.00	3.211	3.85	18.0	65.8	342.8
20.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.427	1.00	3.199	3.84	18.0	65.9	342.1
21.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.434	1.00	3.187	3.82	17.9	65.9	341.4
22.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.440	1.00	3.174	3.81	17.8	66.0	340.6
23.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.447	1.00	3.162	3.79	17.8	66.0	339.8
24.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.453	1.00	3.149	3.78	17.7	66.0	339.1
25.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.459	1.00	3.137	3.76	17.6	66.0	338.3
26.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.465	1.00	3.124	3.75	17.6	65.9	337.5
27.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.470	1.00	3.112	3.73	17.5	65.9	336.7
28.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.476	1.00	3.099	3.72	17.4	65.8	335.8
29.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.481	1.00	3.086	3.70	17.3	65.8	335.0
30.00		1.00	0.70	4.260	4.686	0.000	1.200	* 1.486	1.00	3.074	3.69	17.3	65.7	334.2
31.00		1.00	0.70	4.300	4.730	0.000	1.200	* 1.491	1.00	3.061	3.67	17.4	65.6	333.3
31.50	Bot - Section 2	1.00	0.71	4.320	4.751	0.000	1.200	* 1.493	0.50	1.536	1.84	8.8	33.0	167.5
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	232.5
33.00		1.00	0.72	4.377	4.815	0.000	1.200	* 1.500	1.00	3.090	3.71	17.9	66.7	467.0
34.00		1.00	0.72	4.415	4.856	0.000	1.200	* 1.504	1.00	3.077	3.69	17.9	66.6	465.5
35.00		1.00	0.73	4.451	4.897	0.000	1.200	* 1.509	1.00	3.064	3.68	18.0	66.5	463.9
35.67	Top - Section 1	1.00	0.73	4.476	4.923	0.000	1.200	* 1.512	0.67	2.046	2.45	12.1	44.5	310.0
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	101.4
37.00		1.00	0.74	4.523	4.975	0.000	1.200	* 1.517	1.00	3.038	3.65	18.1	66.2	306.6
38.00		1.00	0.75	4.557	5.013	0.000	1.200	* 1.521	1.00	3.025	3.63	18.2	66.1	305.9
39.00		1.00	0.75	4.591	5.050	0.000	1.200	* 1.525	1.00	3.013	3.62	18.3	66.0	305.1
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	304.3
41.00		1.00	0.76	4.657	5.123	0.000	1.200	* 1.533	1.00	2.987	3.58	18.4	65.7	303.5
42.00		1.00	0.77	4.689	5.158	0.000	1.200	* 1.537	1.00	2.974	3.57	18.4	65.6	302.7
43.00		1.00	0.77	4.721	5.193	0.000	1.200	* 1.540	1.00	2.961	3.55	18.5	65.4	301.9
44.00		1.00	0.78	4.752	5.227	0.000	1.200	* 1.544	1.00	2.948	3.54	18.5	65.2	301.1
45.00		1.00	0.78	4.783	5.261	0.000	1.200	* 1.547	1.00	2.935	3.52	18.5	65.1	300.3
46.00		1.00	0.79	4.813	5.294	0.000	1.200	* 1.551	1.00	2.922	3.51	18.6	64.9	299.5
47.00		1.00	0.79	4.843	5.327	0.000	1.200	* 1.554	1.00	2.909	3.49	18.6	64.8	298.7
48.00		1.00	0.80	4.872	5.359	0.000	1.200	* 1.557	1.00	2.896	3.48	18.6	64.6	297.9



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page: 66



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 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		

104.0	1.00	0.99	6.076	6.684	0.000	1.200	*	1.682	1.00	2.203	2.64	17.7	52.0	178.8	
105.0	1.00	1.00	6.093	6.702	0.000	1.200	*	1.684	1.00	2.190	2.63	17.6	51.7	178.0	
106.0	1.00	1.00	6.109	6.720	0.000	1.200	*	1.686	1.00	2.177	2.61	17.6	51.4	177.2	
107.0	1.00	1.00	6.126	6.738	0.000	1.200	*	1.687	1.00	2.163	2.60	17.5	51.1	176.4	
108.0	1.00	1.01	6.142	6.756	0.000	1.200	*	1.689	1.00	2.150	2.58	17.4	50.8	175.6	
109.0	1.00	1.01	6.158	6.774	0.000	1.200	*	1.690	1.00	2.137	2.56	17.4	50.5	174.8	
110.0	1.00	1.01	6.174	6.792	0.000	1.200	*	1.692	1.00	2.124	2.55	17.3	50.2	174.0	
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	0.6	
111.0		1.00	1.01	6.190	6.809	0.000	1.200	*	1.693	1.00	2.103	2.52	17.2	49.8	155.7
112.0		1.00	1.02	6.206	6.827	0.000	1.200	*	1.695	1.00	2.097	2.52	17.2	49.6	155.6
113.0	Appertunance(s)	1.00	1.02	6.222	6.844	0.000	1.200	*	1.696	1.00	2.084	2.50	17.1	49.3	154.9
114.0		1.00	1.02	6.238	6.861	0.000	1.200	*	1.698	1.00	2.071	2.48	17.0	49.0	154.2
115.0		1.00	1.02	6.253	6.879	0.000	1.200	*	1.699	1.00	2.057	2.47	17.0	48.7	153.5
116.0		1.00	1.03	6.269	6.896	0.000	1.200	*	1.701	1.00	2.044	2.45	16.9	48.4	152.8
117.0		1.00	1.03	6.284	6.913	0.000	1.200	*	1.702	1.00	2.031	2.44	16.8	48.1	152.1
118.0		1.00	1.03	6.299	6.929	0.000	1.200	*	1.704	1.00	2.018	2.42	16.8	47.8	151.5
119.0	Reinf. Top	1.00	1.03	6.315	6.946	0.000	1.200	*	1.705	1.00	2.004	2.41	16.7	47.5	150.8
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
121.0		1.00	1.04	6.345	6.979	0.000	1.200	*	1.708	1.00	1.978	2.37	16.6	46.9	95.0
122.0		1.00	1.04	6.360	6.996	0.000	1.200	*	1.710	1.00	1.964	2.36	16.5	46.6	94.3
123.0		1.00	1.04	6.375	7.012	0.000	1.200	*	1.711	1.00	1.951	2.34	16.4	46.3	93.6
124.0		1.00	1.05	6.389	7.028	0.000	1.200	*	1.712	1.00	1.938	2.33	16.3	46.0	92.9
125.0		1.00	1.05	6.404	7.044	0.000	1.200	*	1.714	1.00	1.925	2.31	16.3	45.7	92.2
126.0		1.00	1.05	6.419	7.060	0.000	1.200	*	1.715	1.00	1.911	2.29	16.2	45.4	91.5
127.0		1.00	1.05	6.433	7.076	0.000	1.200	*	1.716	1.00	1.898	2.28	16.1	45.1	90.8
128.0		1.00	1.06	6.448	7.092	0.000	1.200	*	1.718	1.00	1.885	2.26	16.0	44.8	90.1
129.0		1.00	1.06	6.462	7.108	0.000	1.200	*	1.719	1.00	1.871	2.25	16.0	44.5	89.4
130.0	Appertunance(s)	1.00	1.06	6.476	7.124	0.000	1.200	*	1.720	1.00	1.858	2.23	15.9	44.2	88.7
131.0		1.00	1.06	6.490	7.139	0.000	1.200	*	1.722	1.00	1.845	2.21	15.8	43.8	88.0
132.0		1.00	1.07	6.504	7.155	0.000	1.200	*	1.723	1.00	1.831	2.20	15.7	43.5	87.3
133.0		1.00	1.07	6.519	7.170	0.000	1.200	*	1.724	1.00	1.818	2.18	15.6	43.2	86.6
134.0		1.00	1.07	6.532	7.186	0.000	1.200	*	1.726	1.00	1.805	2.17	15.6	42.9	85.9
135.0		1.00	1.07	6.546	7.201	0.000	1.200	*	1.727	1.00	1.792	2.15	15.5	42.6	85.2
136.0		1.00	1.07	6.560	7.216	0.000	1.200	*	1.728	1.00	1.778	2.13	15.4	42.3	84.5
137.0		1.00	1.08	6.574	7.231	0.000	1.200	*	1.729	1.00	1.765	2.12	15.3	41.9	83.8
138.0		1.00	1.08	6.588	7.246	0.000	1.200	*	1.731	1.00	1.752	2.10	15.2	41.6	83.1
139.0		1.00	1.08	6.601	7.261	0.000	1.200	*	1.732	1.00	1.738	2.09	15.1	41.3	82.4
140.0	Appertunance(s)	1.00	1.08	6.615	7.276	0.000	1.200	*	1.733	1.00	1.725	2.07	15.1	41.0	81.7
141.0		1.00	1.09	6.628	7.291	0.000	1.200	*	1.734	1.00	1.712	2.05	15.0	40.7	81.0
142.0		1.00	1.09	6.642	7.306	0.000	1.200	*	1.736	1.00	1.698	2.04	14.9	40.3	80.3
143.0		1.00	1.09	6.655	7.320	0.000	1.200	*	1.737	1.00	1.685	2.02	14.8	40.0	79.5
144.0		1.00	1.09	6.668	7.335	0.000	1.200	*	1.738	1.00	1.672	2.01	14.7	39.7	78.8
145.0		1.00	1.09	6.681	7.350	0.000	1.200	*	1.739	1.00	1.658	1.99	14.6	39.4	78.1
146.0		1.00	1.10	6.695	7.364	0.000	1.200	*	1.741	1.00	1.645	1.97	14.5	39.1	77.4
147.0		1.00	1.10	6.708	7.378	0.000	1.200	*	1.742	1.00	1.632	1.96	14.4	38.7	76.7
148.0		1.00	1.10	6.721	7.393	0.000	1.200	*	1.743	1.00	1.618	1.94	14.4	38.4	76.0
149.0		1.00	1.10	6.734	7.407	0.000	1.200	*	1.744	1.00	1.605	1.93	14.3	38.1	75.3
150.0	Appertunance(s)	1.00	1.11	6.746	7.421	0.000	1.200	*	1.745	1.00	1.592	1.91	14.2	37.8	74.6

\* = Cf Adjusted By Linear Load Ra Effect

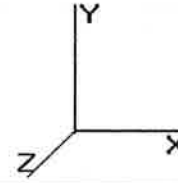
Totals: 150.00 2,650.8 8,452.7 35,175.6



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page: 67



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 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		

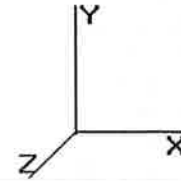
**Discrete Appurtenance Segment Forces (Factored)**

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)
69.00	Channel Master Type	1	5.426	5.969	1.00	1.00	33.23	0.000	1.000	198.36	0.00	198.36	81.59
93.00	Decibel DB408	1	5.885	6.474	1.00	1.00	4.83	0.000	0.000	31.27	0.00	0.00	-1.29
93.00	Standoff	1	5.885	6.474	1.00	1.00	4.16	0.000	0.000	26.95	0.00	0.00	273.10
103.0	Decibel DB408	2	6.059	6.665	1.00	1.00	9.70	0.000	0.000	64.65	0.00	0.00	15.66
103.0	Standoff	1	6.059	6.665	1.00	1.00	4.18	0.000	0.000	27.87	0.00	0.00	274.47
113.0	Antel BXA-171063-8CF	2	6.222	6.844	0.71	0.80	4.25	0.000	0.000	29.11	0.00	0.00	181.82
113.0	Commscope SBNHH-	3	6.222	6.844	0.69	0.80	15.63	0.000	0.000	106.98	0.00	0.00	772.62
113.0	RFS APL868013-42T0	4	6.222	6.844	0.90	0.80	12.90	0.000	0.000	88.32	0.00	0.00	444.50
113.0	RFS APL868013-42T0	2	6.222	6.844	0.90	0.80	6.45	0.000	0.000	44.16	0.00	0.00	222.25
113.0	RFS FD9R6004/2C-3L	6	6.222	6.844	0.37	0.80	1.01	0.000	0.000	6.93	0.00	0.00	93.95
113.0	Round T-Arm	3	6.222	6.844	0.67	0.75	26.61	0.000	0.000	182.11	0.00	0.00	1,318.73
113.0	Alcatel-Lucent RRH2x	3	6.222	6.844	0.67	0.80	3.77	0.000	0.000	25.80	0.00	0.00	342.60
113.0	Antel BXA-171085-8CF	1	6.222	6.844	0.71	0.80	2.34	0.000	0.000	16.02	0.00	0.00	101.41
113.0	RFS DB-T1-6Z-8AB-0Z	1	6.222	6.844	1.00	0.80	4.52	0.000	0.000	30.92	0.00	0.00	191.82
130.0	12" x 12" Junction B	1	6.476	7.124	1.00	0.80	1.33	0.000	0.000	9.45	0.00	0.00	63.06
130.0	Argus LLPX310R	3	6.476	7.124	0.73	0.80	9.07	0.000	0.000	64.60	0.00	0.00	420.81
130.0	Clearwire Mount	1	6.476	7.124	1.00	1.00	15.52	0.000	0.000	110.56	0.00	0.00	1,014.45
130.0	DragonWave A-ANT-	1	6.476	7.124	1.00	0.80	8.09	0.000	0.000	57.63	0.00	0.00	177.79
130.0	DragonWave A-ANT-	1	6.476	7.124	1.00	0.80	1.89	0.000	0.000	13.44	0.00	0.00	42.80
130.0	DragonWave Horizon	2	6.476	7.124	0.50	0.80	0.53	0.000	0.000	3.74	0.00	0.00	84.76
130.0	NextNet BTS-2500	3	6.476	7.124	0.50	0.80	2.87	0.000	0.000	20.42	0.00	0.00	296.35
140.0	Ericsson AIR 21, 1.3	3	6.615	7.276	0.86	0.80	14.74	0.000	0.000	107.23	0.00	0.00	801.76
140.0	Ericsson AIR 21, 1.3	3	6.615	7.276	0.85	0.80	14.66	0.000	0.000	106.65	0.00	0.00	796.22
140.0	Ericsson KRY 112 144	3	6.615	7.276	0.50	0.80	0.76	0.000	0.000	5.52	0.00	0.00	88.25
140.0	Round T-Arm	3	6.615	7.276	0.67	0.75	26.99	0.000	0.000	196.39	0.00	0.00	1,331.96
150.0	4' Omni	1	6.860	7.546	1.00	0.75	1.27	0.000	9.000	9.61	0.00	86.49	16.98
150.0	Decibel DB408	2	6.806	7.487	1.00	0.75	7.39	0.000	4.700	55.30	0.00	259.92	16.53
150.0	Diplexer / Coupler	3	6.785	7.463	0.50	0.75	1.34	0.000	3.000	9.98	0.00	29.94	-1.53
150.0	Ericsson RRUS 11 (Ba	6	6.785	7.463	0.67	0.75	9.54	0.000	3.000	71.22	0.00	213.65	878.44
150.0	GPS	1	6.746	7.421	1.00	0.75	1.27	0.000	0.000	9.45	0.00	0.00	25.48
150.0	KMW AM-X-CD-16-65-	3	6.785	7.463	0.67	0.75	14.04	0.000	3.000	104.80	0.00	314.39	741.07
150.0	KMW AWS Twin Dual	6	6.785	7.463	0.50	0.75	1.60	0.000	3.000	11.91	0.00	35.74	326.11
150.0	Round Platform w/ Ha	1	6.746	7.421	1.00	1.00	51.69	0.000	0.000	383.63	0.00	0.00	3,298.44
150.0	Powerwave 7770	3	6.785	7.463	0.65	0.75	9.59	0.000	3.000	71.60	0.00	214.80	531.26
150.0	Raycap DC6-48-60-18-	1	6.785	7.463	1.00	0.75	2.14	0.000	3.000	15.97	0.00	47.91	131.11
150.0	Round Side Arm	3	6.746	7.421	0.67	1.00	15.92	0.000	0.000	118.18	0.00	0.00	684.90
										2,436.71			16,080.24

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page: 68



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 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		

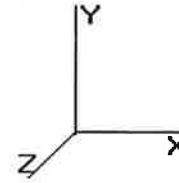
**Linear Appurtenance Segment Forces (Factored)**

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)
1.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.284	0.000	0.00	4.03
1.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.34	0.41	4.256	0.284	0.000	1.92	16.06
1.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.284	0.000	0.00	2.83
1.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.284	0.000	0.00	14.99
1.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.284	0.000	0.00	3.29
1.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.76	0.91	4.256	0.284	0.000	4.27	11.68
1.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.34	0.41	4.256	0.284	0.000	1.92	36.64
1.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.284	0.000	0.00	1.84
2.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.285	0.000	0.00	4.32
2.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.35	0.42	4.256	0.285	0.000	1.99	16.85
2.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.285	0.000	0.00	3.11
2.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.285	0.000	0.00	15.47
2.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.285	0.000	0.00	3.61
2.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.77	0.93	4.256	0.285	0.000	4.34	12.47
2.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.35	0.42	4.256	0.285	0.000	1.99	38.25
2.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.285	0.000	0.00	2.07
3.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.286	0.000	0.00	4.51
3.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.36	0.43	4.256	0.286	0.000	2.03	17.34
3.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.286	0.000	0.00	3.28
3.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.286	0.000	0.00	15.78
3.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.286	0.000	0.00	3.81
3.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.78	0.94	4.256	0.286	0.000	4.38	12.97
3.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.36	0.43	4.256	0.286	0.000	2.03	39.24
3.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.286	0.000	0.00	2.22
4.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.287	0.000	0.00	4.66
4.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.37	0.44	4.256	0.287	0.000	2.06	17.71
4.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.287	0.000	0.00	3.42
4.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.287	0.000	0.00	16.00
4.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.287	0.000	0.00	3.96
4.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.79	0.94	4.256	0.287	0.000	4.41	13.34
4.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.37	0.44	4.256	0.287	0.000	2.06	39.98
4.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.287	0.000	0.00	2.33
5.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.289	0.000	0.00	4.77
5.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.37	0.45	4.256	0.289	0.000	2.09	18.00
5.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.289	0.000	0.00	3.53
5.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.289	0.000	0.00	16.19
5.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.289	0.000	0.00	4.08
5.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.79	0.95	4.256	0.289	0.000	4.44	13.63
5.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.37	0.45	4.256	0.289	0.000	2.09	40.57
5.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.289	0.000	0.00	2.42
6.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.290	0.000	0.00	4.87
6.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.38	0.45	4.256	0.290	0.000	2.11	18.25
6.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.290	0.000	0.00	3.62
6.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.290	0.000	0.00	16.34
6.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.290	0.000	0.00	4.19
6.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.79	0.95	4.256	0.290	0.000	4.46	13.88
6.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.38	0.45	4.256	0.290	0.000	2.11	41.06
6.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.290	0.000	0.00	2.50
7.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.291	0.000	0.00	4.95
7.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.38	0.45	4.256	0.291	0.000	2.13	18.46
7.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.291	0.000	0.00	3.70

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page: 69



© 2007 - 2015 by ATC IP LLC. All rights reserved.

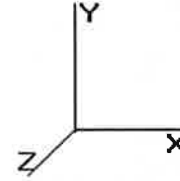
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

7.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.291	0.000	0.00	16.48
7.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.291	0.000	0.00	4.28
7.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.80	0.96	4.256	0.291	0.000	4.48	14.09
7.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.38	0.45	4.256	0.291	0.000	2.13	41.49
7.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.291	0.000	0.00	2.57
8.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.292	0.000	0.00	5.03
8.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.38	0.46	4.256	0.292	0.000	2.15	18.65
8.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.292	0.000	0.00	3.77
8.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.292	0.000	0.00	16.60
8.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.292	0.000	0.00	4.36
8.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.80	0.96	4.256	0.292	0.000	4.50	14.28
8.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.38	0.46	4.256	0.292	0.000	2.15	41.86
8.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.292	0.000	0.00	2.63
9.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.294	0.000	0.00	5.10
9.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.38	0.46	4.256	0.294	0.000	2.16	18.82
9.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.294	0.000	0.00	3.84
9.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.294	0.000	0.00	16.70
9.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.294	0.000	0.00	4.43
9.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.80	0.96	4.256	0.294	0.000	4.51	14.45
9.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.38	0.46	4.256	0.294	0.000	2.16	42.20
9.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.294	0.000	0.00	2.68
10.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.295	0.000	0.00	5.16
10.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.46	4.256	0.295	0.000	2.17	18.97
10.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.295	0.000	0.00	3.90
10.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.295	0.000	0.00	16.80
10.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.295	0.000	0.00	4.49
10.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.81	0.97	4.256	0.295	0.000	4.52	14.61
10.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.46	4.256	0.295	0.000	2.17	42.50
10.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.295	0.000	0.00	2.73
11.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.296	0.000	0.00	5.21
11.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.47	4.256	0.296	0.000	2.19	19.11
11.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.296	0.000	0.00	3.95
11.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.296	0.000	0.00	16.89
11.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.296	0.000	0.00	4.56
11.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.81	0.97	4.256	0.296	0.000	4.54	14.75
11.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.47	4.256	0.296	0.000	2.19	42.78
11.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.296	0.000	0.00	2.78
12.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.298	0.000	0.00	5.27
12.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.47	4.256	0.298	0.000	2.20	19.24
12.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.298	0.000	0.00	4.00
12.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.298	0.000	0.00	16.97
12.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.298	0.000	0.00	4.61
12.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.81	0.97	4.256	0.298	0.000	4.55	14.88
12.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.47	4.256	0.298	0.000	2.20	43.03
12.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.298	0.000	0.00	2.82
13.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.299	0.000	0.00	5.32
13.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.47	4.256	0.299	0.000	2.21	19.36
13.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.299	0.000	0.00	4.05
13.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.299	0.000	0.00	17.05
13.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.299	0.000	0.00	4.66
13.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.81	0.97	4.256	0.299	0.000	4.56	15.00
13.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.47	4.256	0.299	0.000	2.21	43.27
13.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.299	0.000	0.00	2.86
14.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.300	0.000	0.00	5.36
14.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.47	4.256	0.300	0.000	2.22	19.47
14.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.300	0.000	0.00	4.09
14.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.300	0.000	0.00	17.12

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page: 70



© 2007 - 2015 by ATC IP LLC. All rights reserved.

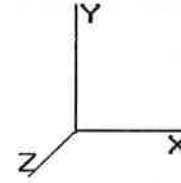
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

14.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.300	0.000	0.00	4.71
14.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.81	0.98	4.256	0.300	0.000	4.57	15.11
14.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.39	0.47	4.256	0.300	0.000	2.22	43.49
14.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.300	0.000	0.00	2.90
15.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.302	0.000	0.00	5.41
15.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.302	0.000	2.22	19.58
15.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.302	0.000	0.00	4.13
15.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.302	0.000	0.00	17.19
15.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.302	0.000	0.00	4.76
15.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.81	0.98	4.256	0.302	0.000	4.58	15.22
15.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.302	0.000	2.22	43.70
15.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.302	0.000	0.00	2.93
16.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.303	0.000	0.00	5.45
16.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.303	0.000	2.23	19.68
16.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.303	0.000	0.00	4.17
16.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.303	0.000	0.00	17.25
16.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.303	0.000	0.00	4.80
16.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.82	0.98	4.256	0.303	0.000	4.58	15.32
16.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.303	0.000	2.23	43.90
16.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.303	0.000	0.00	2.97
17.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.304	0.000	0.00	5.49
17.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.304	0.000	2.24	19.77
17.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.304	0.000	0.00	4.21
17.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.304	0.000	0.00	17.31
17.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.304	0.000	0.00	4.84
17.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.82	0.98	4.256	0.304	0.000	4.59	15.41
17.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.304	0.000	2.24	44.08
17.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.304	0.000	0.00	3.00
18.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.306	0.000	0.00	5.52
18.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.306	0.000	2.25	19.86
18.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.306	0.000	0.00	4.24
18.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.306	0.000	0.00	17.37
18.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.306	0.000	0.00	4.88
18.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.82	0.98	4.256	0.306	0.000	4.60	15.50
18.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.306	0.000	2.25	44.26
18.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.306	0.000	0.00	3.03
19.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.307	0.000	0.00	5.56
19.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.307	0.000	2.26	19.95
19.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.307	0.000	0.00	4.28
19.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.307	0.000	0.00	17.42
19.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.307	0.000	0.00	4.92
19.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.82	0.98	4.256	0.307	0.000	4.61	15.59
19.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.307	0.000	2.26	44.43
19.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.307	0.000	0.00	3.06
20.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.308	0.000	0.00	5.59
20.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.308	0.000	2.26	20.03
20.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.308	0.000	0.00	4.31
20.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.308	0.000	0.00	17.47
20.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.308	0.000	0.00	4.96
20.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.82	0.99	4.256	0.308	0.000	4.61	15.67
20.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.308	0.000	2.26	44.59
20.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.308	0.000	0.00	3.09
21.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.310	0.000	0.00	5.63
21.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.310	0.000	2.27	20.11
21.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.310	0.000	0.00	4.34
21.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.310	0.000	0.00	17.52
21.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.310	0.000	0.00	4.99

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page: 71



© 2007 - 2015 by ATC IP LLC. All rights reserved.

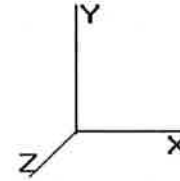
<b>Load Case: 1.2D + 1.0Di + 1.0Wi</b>	<b>50.00 mph with 0.75 in Radial Ice</b>	<b>31 Iterations</b>
<b>Gust Response Factor : 1.10</b>	<b>Ice Dead Load Factor : 1.00</b>	<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 1.20</b>		<b>Ice Importance Factor : 1.00</b>
<b>Wind Load Factor : 1.00</b>		

21.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.82	0.99	4.256	0.310	0.000	4.62	15.75
21.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.40	0.48	4.256	0.310	0.000	2.27	44.74
21.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.310	0.000	0.00	3.11
22.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.311	0.000	0.00	5.66
22.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.311	0.000	2.28	20.18
22.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.311	0.000	0.00	4.37
22.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.311	0.000	0.00	17.57
22.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.311	0.000	0.00	5.03
22.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.82	0.99	4.256	0.311	0.000	4.63	15.82
22.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.311	0.000	2.28	44.89
22.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.311	0.000	0.00	3.14
23.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.313	0.000	0.00	5.69
23.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.313	0.000	2.28	20.25
23.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.313	0.000	0.00	4.40
23.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.313	0.000	0.00	17.62
23.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.313	0.000	0.00	5.06
23.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.82	0.99	4.256	0.313	0.000	4.63	15.90
23.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.313	0.000	2.28	45.03
23.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.313	0.000	0.00	3.16
24.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.314	0.000	0.00	5.72
24.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.314	0.000	2.29	20.32
24.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.314	0.000	0.00	4.43
24.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.314	0.000	0.00	17.66
24.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.314	0.000	0.00	5.09
24.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	0.99	4.256	0.314	0.000	4.64	15.97
24.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.314	0.000	2.29	45.16
24.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.314	0.000	0.00	3.19
25.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.316	0.000	0.00	5.75
25.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.316	0.000	2.29	20.39
25.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.316	0.000	0.00	4.46
25.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.316	0.000	0.00	17.71
25.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.316	0.000	0.00	5.12
25.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	0.99	4.256	0.316	0.000	4.64	16.03
25.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.316	0.000	2.29	45.29
25.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.316	0.000	0.00	3.21
26.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.317	0.000	0.00	5.77
26.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.317	0.000	2.30	20.45
26.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.317	0.000	0.00	4.48
26.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.317	0.000	0.00	17.75
26.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.317	0.000	0.00	5.15
26.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	0.99	4.256	0.317	0.000	4.65	16.10
26.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.317	0.000	2.30	45.42
26.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.317	0.000	0.00	3.23
27.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.319	0.000	0.00	5.80
27.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.319	0.000	2.30	20.52
27.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.319	0.000	0.00	4.51
27.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.319	0.000	0.00	17.79
27.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.319	0.000	0.00	5.17
27.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	0.99	4.256	0.319	0.000	4.65	16.16
27.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.319	0.000	2.30	45.54
27.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.319	0.000	0.00	3.26
28.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.320	0.000	0.00	5.83
28.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.320	0.000	2.31	20.58
28.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.320	0.000	0.00	4.53
28.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.320	0.000	0.00	17.83
28.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.320	0.000	0.00	5.20
28.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	1.00	4.256	0.320	0.000	4.66	16.22

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page: 72



© 2007 - 2015 by ATC IP LLC. All rights reserved.

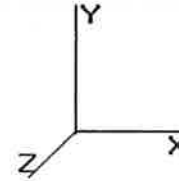
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

28.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.320	0.000	2.31	45.66
28.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.320	0.000	0.00	3.28
29.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.322	0.000	0.00	5.85
29.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.322	0.000	2.31	20.64
29.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.322	0.000	0.00	4.56
29.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.322	0.000	0.00	17.87
29.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.322	0.000	0.00	5.23
29.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	1.00	4.256	0.322	0.000	4.66	16.28
29.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.49	4.256	0.322	0.000	2.31	45.78
29.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.322	0.000	0.00	3.30
30.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.260	0.323	0.000	0.00	5.87
30.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.50	4.260	0.323	0.000	2.32	20.69
30.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.260	0.323	0.000	0.00	4.58
30.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.260	0.323	0.000	0.00	17.90
30.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.260	0.323	0.000	0.00	5.25
30.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	1.00	4.260	0.323	0.000	4.67	16.34
30.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.50	4.260	0.323	0.000	2.32	45.89
30.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.260	0.323	0.000	0.00	3.32
31.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.300	0.325	0.000	0.00	5.90
31.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.50	4.300	0.325	0.000	2.35	20.75
31.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.300	0.325	0.000	0.00	4.60
31.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.300	0.325	0.000	0.00	17.94
31.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.300	0.325	0.000	0.00	5.28
31.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	1.00	4.300	0.325	0.000	4.72	16.40
31.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.50	4.300	0.325	0.000	2.35	45.99
31.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.300	0.325	0.000	0.00	3.34
31.50	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	4.320	0.326	0.000	0.00	2.97
31.50	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.21	0.25	4.320	0.326	0.000	1.19	10.46
31.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.320	0.326	0.000	0.00	2.32
31.50	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	4.320	0.326	0.000	0.00	9.04
31.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.320	0.326	0.000	0.00	2.66
31.50	(4) #18 Dywidag bars	Yes	0.50	1.200	7.00	0.42	0.50	4.320	0.326	0.000	2.39	8.27
31.50	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.21	0.25	4.320	0.326	0.000	1.19	23.18
31.50	(1) 0.28" RG6	Yes	0.50	0.000	0.00	0.00	0.00	4.320	0.326	0.000	0.00	1.68
32.00	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	4.339	0.327	0.000	0.00	2.94
32.00	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.21	0.25	4.339	0.327	0.000	1.18	10.33
32.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.339	0.327	0.000	0.00	2.30
32.00	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	4.339	0.327	0.000	0.00	8.93
32.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.339	0.327	0.000	0.00	2.63
32.00	(4) #18 Dywidag bars	Yes	0.50	1.200	7.00	0.41	0.50	4.339	0.327	0.000	2.37	8.17
32.00	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.21	0.25	4.339	0.327	0.000	1.18	22.90
32.00	(1) 0.28" RG6	Yes	0.50	0.000	0.00	0.00	0.00	4.339	0.327	0.000	0.00	1.67
33.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.377	0.328	0.000	0.00	5.94
33.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.50	4.377	0.328	0.000	2.40	20.85
33.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.377	0.328	0.000	0.00	4.64
33.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.377	0.328	0.000	0.00	18.01
33.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.377	0.328	0.000	0.00	5.33
33.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	1.00	4.377	0.328	0.000	4.81	16.50
33.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.41	0.50	4.377	0.328	0.000	2.40	46.20
33.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.377	0.328	0.000	0.00	3.37
34.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.415	0.329	0.000	0.00	5.97
34.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.415	0.329	0.000	2.42	20.91
34.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.415	0.329	0.000	0.00	4.67
34.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.415	0.329	0.000	0.00	18.04
34.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.415	0.329	0.000	0.00	5.35
34.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	1.00	4.415	0.329	0.000	4.86	16.55
34.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.415	0.329	0.000	2.42	46.30

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:09 PM  
 Page: 73



© 2007 - 2015 by ATC IP LLC. All rights reserved.

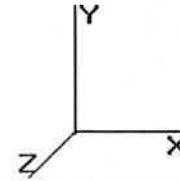
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

34.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.415	0.329	0.000	0.00	3.39
35.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.451	0.331	0.000	0.00	5.99
35.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.451	0.331	0.000	2.45	20.95
35.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.451	0.331	0.000	0.00	4.69
35.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.451	0.331	0.000	0.00	18.07
35.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.451	0.331	0.000	0.00	5.37
35.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.83	1.00	4.451	0.331	0.000	4.91	16.60
35.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.451	0.331	0.000	2.45	46.40
35.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.451	0.331	0.000	0.00	3.41
35.67	(1) 1 1/4" Hybriflex	Yes	0.67	0.000	0.00	0.00	0.00	4.476	0.332	0.000	0.00	4.02
35.67	(5) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.28	0.34	4.476	0.332	0.000	1.65	14.06
35.67	(2) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	4.476	0.332	0.000	0.00	3.15
35.67	(2) 2" Conduit	Yes	0.67	0.000	0.00	0.00	0.00	4.476	0.332	0.000	0.00	12.12
35.67	(6) 5/16" Coax	Yes	0.67	0.000	0.00	0.00	0.00	4.476	0.332	0.000	0.00	3.61
35.67	(4) #18 Dywidag bars	Yes	0.67	1.200	7.00	0.56	0.67	4.476	0.332	0.000	3.31	11.15
35.67	(12) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.28	0.34	4.476	0.332	0.000	1.65	31.13
35.67	(1) 0.28" RG6	Yes	0.67	0.000	0.00	0.00	0.00	4.476	0.332	0.000	0.00	2.29
36.00	(1) 1 1/4" Hybriflex	Yes	0.33	0.000	0.00	0.00	0.00	4.487	0.327	0.000	0.00	1.98
36.00	(5) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.14	0.17	4.487	0.327	0.000	0.82	6.93
36.00	(2) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	4.487	0.327	0.000	0.00	1.55
36.00	(2) 2" Conduit	Yes	0.33	0.000	0.00	0.00	0.00	4.487	0.327	0.000	0.00	5.97
36.00	(6) 5/16" Coax	Yes	0.33	0.000	0.00	0.00	0.00	4.487	0.327	0.000	0.00	1.78
36.00	(4) #18 Dywidag bars	Yes	0.33	1.200	7.00	0.28	0.33	4.487	0.327	0.000	1.63	5.50
36.00	(12) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.14	0.17	4.487	0.327	0.000	0.82	15.34
36.00	(1) 0.28" RG6	Yes	0.33	0.000	0.00	0.00	0.00	4.487	0.327	0.000	0.00	1.13
37.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.523	0.328	0.000	0.00	6.03
37.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.523	0.328	0.000	2.49	21.05
37.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.523	0.328	0.000	0.00	4.73
37.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.523	0.328	0.000	0.00	18.14
37.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.523	0.328	0.000	0.00	5.42
37.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.00	4.523	0.328	0.000	4.99	16.70
37.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.523	0.328	0.000	2.49	46.58
37.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.523	0.328	0.000	0.00	3.44
38.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.557	0.329	0.000	0.00	6.05
38.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.557	0.329	0.000	2.52	21.10
38.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.557	0.329	0.000	0.00	4.74
38.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.557	0.329	0.000	0.00	18.17
38.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.557	0.329	0.000	0.00	5.44
38.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.00	4.557	0.329	0.000	5.03	16.75
38.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.557	0.329	0.000	2.52	46.67
38.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.557	0.329	0.000	0.00	3.46
39.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.591	0.331	0.000	0.00	6.07
39.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.591	0.331	0.000	2.54	21.14
39.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.591	0.331	0.000	0.00	4.76
39.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.591	0.331	0.000	0.00	18.19
39.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.591	0.331	0.000	0.00	5.46
39.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.591	0.331	0.000	5.08	16.79
39.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.591	0.331	0.000	2.54	46.76
39.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.591	0.331	0.000	0.00	3.48
40.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.625	0.333	0.000	0.00	6.09
40.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.625	0.333	0.000	2.56	21.19
40.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.625	0.333	0.000	0.00	4.78
40.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.625	0.333	0.000	0.00	18.22
40.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.625	0.333	0.000	0.00	5.48
40.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.625	0.333	0.000	5.12	16.84
40.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.625	0.333	0.000	2.56	46.85
40.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.625	0.333	0.000	0.00	3.49

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:10 PM  
 Page: 74



© 2007 - 2015 by ATC IP LLC. All rights reserved.

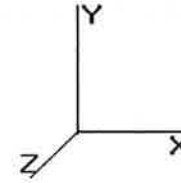
<b>Load Case: 1.2D + 1.0Di + 1.0Wi</b>	<b>50.00 mph with 0.75 in Radial Ice</b>	<b>31 Iterations</b>
<b>Gust Response Factor : 1.10</b>	<b>Ice Dead Load Factor : 1.00</b>	<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 1.20</b>		<b>Ice Importance Factor : 1.00</b>
<b>Wind Load Factor : 1.00</b>		

41.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.657	0.334	0.000	0.00	6.10
41.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.657	0.334	0.000	2.58	21.23
41.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.657	0.334	0.000	0.00	4.80
41.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.657	0.334	0.000	0.00	18.25
41.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.657	0.334	0.000	0.00	5.50
41.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.657	0.334	0.000	5.16	16.88
41.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.50	4.657	0.334	0.000	2.58	46.93
41.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.657	0.334	0.000	0.00	3.51
42.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.689	0.336	0.000	0.00	6.12
42.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.689	0.336	0.000	2.61	21.27
42.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.689	0.336	0.000	0.00	4.82
42.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.689	0.336	0.000	0.00	18.28
42.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.689	0.336	0.000	0.00	5.52
42.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.689	0.336	0.000	5.20	16.92
42.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.689	0.336	0.000	2.61	47.01
42.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.689	0.336	0.000	0.00	3.52
43.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.721	0.338	0.000	0.00	6.14
43.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.721	0.338	0.000	2.63	21.31
43.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.721	0.338	0.000	0.00	4.83
43.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.721	0.338	0.000	0.00	18.31
43.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.721	0.338	0.000	0.00	5.54
43.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.721	0.338	0.000	5.23	16.96
43.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.721	0.338	0.000	2.63	47.09
43.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.721	0.338	0.000	0.00	3.54
44.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.752	0.339	0.000	0.00	6.16
44.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.752	0.339	0.000	2.65	21.35
44.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.752	0.339	0.000	0.00	4.85
44.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.752	0.339	0.000	0.00	18.33
44.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.752	0.339	0.000	0.00	5.55
44.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.752	0.339	0.000	5.27	17.01
44.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.752	0.339	0.000	2.65	47.17
44.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.752	0.339	0.000	0.00	3.55
45.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.783	0.341	0.000	0.00	6.18
45.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.783	0.341	0.000	2.67	21.39
45.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.783	0.341	0.000	0.00	4.87
45.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.783	0.341	0.000	0.00	18.36
45.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.783	0.341	0.000	0.00	5.57
45.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.783	0.341	0.000	5.31	17.05
45.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.783	0.341	0.000	2.67	47.25
45.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.783	0.341	0.000	0.00	3.57
46.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.813	0.343	0.000	0.00	6.19
46.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.813	0.343	0.000	2.69	21.43
46.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.813	0.343	0.000	0.00	4.88
46.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.813	0.343	0.000	0.00	18.38
46.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.813	0.343	0.000	0.00	5.59
46.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.813	0.343	0.000	5.35	17.08
46.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.813	0.343	0.000	2.69	47.33
46.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.813	0.343	0.000	0.00	3.58
47.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.843	0.345	0.000	0.00	6.21
47.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.843	0.345	0.000	2.71	21.47
47.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.843	0.345	0.000	0.00	4.90
47.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.843	0.345	0.000	0.00	18.41
47.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.843	0.345	0.000	0.00	5.61
47.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.843	0.345	0.000	5.38	17.12
47.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.843	0.345	0.000	2.71	47.40
47.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.843	0.345	0.000	0.00	3.59
48.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.872	0.346	0.000	0.00	6.23



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:10 PM  
 Page: 75

© 2007 - 2015 by ATC IP LLC. All rights reserved.

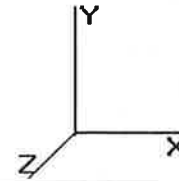
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

48.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.872	0.346	0.000	2.73	21.51
48.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.872	0.346	0.000	0.00	4.91
48.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.872	0.346	0.000	0.00	18.43
48.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.872	0.346	0.000	0.00	5.62
48.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.872	0.346	0.000	5.42	17.16
48.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.42	0.51	4.872	0.346	0.000	2.73	47.47
48.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.872	0.346	0.000	0.00	3.61
49.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.901	0.348	0.000	0.00	6.24
49.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	4.901	0.348	0.000	2.75	21.55
49.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.901	0.348	0.000	0.00	4.93
49.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.901	0.348	0.000	0.00	18.46
49.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.901	0.348	0.000	0.00	5.64
49.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.901	0.348	0.000	5.46	17.20
49.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	4.901	0.348	0.000	2.75	47.55
49.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.901	0.348	0.000	0.00	3.62
50.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.929	0.350	0.000	0.00	6.26
50.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	4.929	0.350	0.000	2.77	21.58
50.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.929	0.350	0.000	0.00	4.95
50.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.929	0.350	0.000	0.00	18.48
50.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.929	0.350	0.000	0.00	5.66
50.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.929	0.350	0.000	5.49	17.24
50.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	4.929	0.350	0.000	2.77	47.62
50.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.929	0.350	0.000	0.00	3.63
51.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.957	0.352	0.000	0.00	6.27
51.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	4.957	0.352	0.000	2.79	21.62
51.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.957	0.352	0.000	0.00	4.96
51.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.957	0.352	0.000	0.00	18.50
51.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.957	0.352	0.000	0.00	5.67
51.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.957	0.352	0.000	5.53	17.27
51.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	4.957	0.352	0.000	2.79	47.69
51.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.957	0.352	0.000	0.00	3.65
52.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	4.984	0.354	0.000	0.00	6.29
52.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	4.984	0.354	0.000	2.81	21.65
52.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.984	0.354	0.000	0.00	4.97
52.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	4.984	0.354	0.000	0.00	18.53
52.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.984	0.354	0.000	0.00	5.69
52.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.84	1.01	4.984	0.354	0.000	5.56	17.31
52.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	4.984	0.354	0.000	2.81	47.75
52.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	4.984	0.354	0.000	0.00	3.66
53.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.012	0.356	0.000	0.00	6.30
53.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.012	0.356	0.000	2.83	21.69
53.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.012	0.356	0.000	0.00	4.99
53.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.012	0.356	0.000	0.00	18.55
53.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.012	0.356	0.000	0.00	5.71
53.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.01	5.012	0.356	0.000	5.59	17.34
53.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.012	0.356	0.000	2.83	47.82
53.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.012	0.356	0.000	0.00	3.67
54.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.039	0.357	0.000	0.00	6.32
54.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.039	0.357	0.000	2.84	21.72
54.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.039	0.357	0.000	0.00	5.00
54.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.039	0.357	0.000	0.00	18.57
54.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.039	0.357	0.000	0.00	5.72
54.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.039	0.357	0.000	5.63	17.38
54.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.039	0.357	0.000	2.84	47.89
54.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.039	0.357	0.000	0.00	3.68
55.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.359	0.000	0.00	6.33
55.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.065	0.359	0.000	2.86	21.76

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:10 PM  
 Page: 76



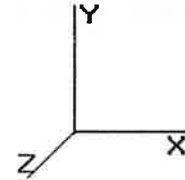
© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 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		

55.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.359	0.000	0.00	5.02
55.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.359	0.000	0.00	18.59
55.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.359	0.000	0.00	5.74
55.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.065	0.359	0.000	5.66	17.41
55.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.065	0.359	0.000	2.86	47.95
55.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.065	0.359	0.000	0.00	3.70
56.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.361	0.000	0.00	6.35
56.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.091	0.361	0.000	2.88	21.79
56.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.361	0.000	0.00	5.03
56.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.361	0.000	0.00	18.62
56.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.361	0.000	0.00	5.75
56.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.091	0.361	0.000	5.69	17.44
56.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.091	0.361	0.000	2.88	48.01
56.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.361	0.000	0.00	3.71
57.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.117	0.363	0.000	0.00	6.36
57.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.117	0.363	0.000	2.90	21.82
57.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.117	0.363	0.000	0.00	5.04
57.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.117	0.363	0.000	0.00	18.64
57.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.117	0.363	0.000	0.00	5.77
57.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.117	0.363	0.000	5.72	17.47
57.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.51	5.117	0.363	0.000	2.90	48.08
57.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.117	0.363	0.000	0.00	3.72
58.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.142	0.365	0.000	0.00	6.38
58.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.142	0.365	0.000	2.92	21.85
58.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.142	0.365	0.000	0.00	5.06
58.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.142	0.365	0.000	0.00	18.66
58.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.142	0.365	0.000	0.00	5.78
58.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.142	0.365	0.000	5.76	17.51
58.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.142	0.365	0.000	2.92	48.14
58.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.142	0.365	0.000	0.00	3.73
59.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.168	0.367	0.000	0.00	6.39
59.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.168	0.367	0.000	2.93	21.88
59.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.168	0.367	0.000	0.00	5.07
59.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.168	0.367	0.000	0.00	18.68
59.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.168	0.367	0.000	0.00	5.80
59.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.168	0.367	0.000	5.79	17.54
59.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.168	0.367	0.000	2.93	48.20
59.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.168	0.367	0.000	0.00	3.74
60.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.193	0.369	0.000	0.00	6.40
60.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.193	0.369	0.000	2.95	21.91
60.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.193	0.369	0.000	0.00	5.08
60.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.193	0.369	0.000	0.00	18.70
60.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.193	0.369	0.000	0.00	5.81
60.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.193	0.369	0.000	5.82	17.57
60.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.193	0.369	0.000	2.95	48.26
60.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.193	0.369	0.000	0.00	3.75
61.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.217	0.371	0.000	0.00	6.42
61.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.217	0.371	0.000	2.97	21.95
61.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.217	0.371	0.000	0.00	5.10
61.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.217	0.371	0.000	0.00	18.72
61.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.217	0.371	0.000	0.00	5.83
61.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.217	0.371	0.000	5.85	17.60
61.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.217	0.371	0.000	2.97	48.32
61.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.217	0.371	0.000	0.00	3.77
62.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.241	0.373	0.000	0.00	6.43
62.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.241	0.373	0.000	2.98	21.98
62.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.241	0.373	0.000	0.00	5.11

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:10 PM  
 Page: 77

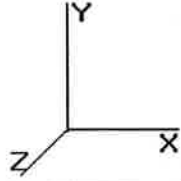
© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 0.75 in Radial Ice      31 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

62.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.241	0.373	0.000	0.00	18.74
62.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.241	0.373	0.000	0.00	5.84
62.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.241	0.373	0.000	5.88	17.63
62.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.241	0.373	0.000	2.98	48.38
62.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.241	0.373	0.000	0.00	3.78
63.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.265	0.375	0.000	0.00	6.44
63.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.265	0.375	0.000	3.00	22.01
63.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.265	0.375	0.000	0.00	5.12
63.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.265	0.375	0.000	0.00	18.76
63.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.265	0.375	0.000	0.00	5.85
63.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.265	0.375	0.000	5.91	17.66
63.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.265	0.375	0.000	3.00	48.43
63.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.265	0.375	0.000	0.00	3.79
64.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.289	0.377	0.000	0.00	6.46
64.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.289	0.377	0.000	3.02	22.03
64.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.289	0.377	0.000	0.00	5.13
64.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.289	0.377	0.000	0.00	18.78
64.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.289	0.377	0.000	0.00	5.87
64.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.289	0.377	0.000	5.94	17.69
64.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.289	0.377	0.000	3.02	48.49
64.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.289	0.377	0.000	0.00	3.80
65.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.313	0.379	0.000	0.00	6.47
65.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.313	0.379	0.000	3.03	22.06
65.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.313	0.379	0.000	0.00	5.15
65.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.313	0.379	0.000	0.00	18.80
65.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.313	0.379	0.000	0.00	5.88
65.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.313	0.379	0.000	5.97	17.72
65.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.313	0.379	0.000	3.03	48.55
65.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.313	0.379	0.000	0.00	3.81
66.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.336	0.382	0.000	0.00	6.48
66.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.336	0.382	0.000	3.05	22.09
66.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.336	0.382	0.000	0.00	5.16
66.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.336	0.382	0.000	0.00	18.82
66.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.336	0.382	0.000	0.00	5.89
66.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.336	0.382	0.000	6.00	17.75
66.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.336	0.382	0.000	3.05	48.60
66.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.336	0.382	0.000	0.00	3.82
67.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.359	0.384	0.000	0.00	6.49
67.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.359	0.384	0.000	3.07	22.12
67.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.359	0.384	0.000	0.00	5.17
67.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.359	0.384	0.000	0.00	18.83
67.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.359	0.384	0.000	0.00	5.91
67.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.359	0.384	0.000	6.02	17.78
67.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.359	0.384	0.000	3.07	48.65
67.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.359	0.384	0.000	0.00	3.83
68.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.382	0.386	0.000	0.00	6.51
68.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.382	0.386	0.000	3.08	22.15
68.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.382	0.386	0.000	0.00	5.18
68.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.382	0.386	0.000	0.00	18.85
68.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.382	0.386	0.000	0.00	5.92
68.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.382	0.386	0.000	6.05	17.80
68.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.382	0.386	0.000	3.08	48.71
68.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.382	0.386	0.000	0.00	3.84
69.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.404	0.388	0.000	0.00	6.52
69.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.404	0.388	0.000	3.10	22.18
69.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.404	0.388	0.000	0.00	5.19
69.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.404	0.388	0.000	0.00	18.87

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



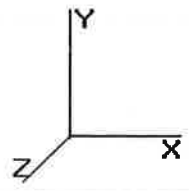
© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case: 1.2D + 1.0Di + 1.0Wi</b>	<b>50.00 mph with 0.75 in Radial Ice</b>	<b>31 Iterations</b>
<b>Gust Response Factor : 1.10</b>	<b>Ice Dead Load Factor : 1.00</b>	<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 1.20</b>		<b>Ice Importance Factor : 1.00</b>
<b>Wind Load Factor : 1.00</b>		

69.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	5.404	0.388	0.000	0.00	5.93
69.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.404	0.388	0.000	6.08	17.83	
69.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.404	0.388	0.000	3.10	48.76	
69.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.404	0.388	0.000	0.00	3.85	
70.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.426	0.390	0.000	0.00	6.53	
70.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.426	0.390	0.000	3.11	22.20	
70.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.426	0.390	0.000	0.00	5.21	
70.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.426	0.390	0.000	0.00	18.89	
70.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.426	0.390	0.000	0.00	5.95	
70.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.426	0.390	0.000	6.11	17.86	
70.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.426	0.390	0.000	3.11	48.81	
70.00	(1) 1 1/4" Hybriflex	Yes	0.00	0.000	0.00	0.00	0.00	5.426	0.392	0.000	0.00	0.02	
70.00	(5) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	5.426	0.392	0.000	0.01	0.07	
70.00	(2) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	5.426	0.392	0.000	0.00	0.02	
70.00	(2) 2" Conduit	Yes	0.00	0.000	0.00	0.00	0.00	5.426	0.392	0.000	0.00	0.06	
70.00	(6) 5/16" Coax	Yes	0.00	0.000	0.00	0.00	0.00	5.426	0.392	0.000	0.00	0.02	
70.00	(4) #18 Dywidag bars	Yes	0.00	1.200	7.00	0.00	0.00	5.426	0.392	0.000	0.02	0.06	
70.00	(12) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	5.426	0.392	0.000	0.01	0.16	
71.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.448	0.393	0.000	0.00	6.52	
71.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.448	0.393	0.000	3.12	22.16	
71.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.448	0.393	0.000	0.00	5.20	
71.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.448	0.393	0.000	0.00	18.84	
71.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.448	0.393	0.000	0.00	5.94	
71.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.448	0.393	0.000	6.12	17.83	
71.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.43	0.52	5.448	0.393	0.000	3.12	48.70	
72.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.470	0.395	0.000	0.00	6.55	
72.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.470	0.395	0.000	3.14	22.26	
72.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.470	0.395	0.000	0.00	5.23	
72.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.470	0.395	0.000	0.00	18.92	
72.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.470	0.395	0.000	0.00	5.97	
72.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.470	0.395	0.000	6.16	17.91	
72.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.470	0.395	0.000	3.14	48.92	
73.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.492	0.397	0.000	0.00	6.57	
73.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.492	0.397	0.000	3.16	22.28	
73.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.492	0.397	0.000	0.00	5.24	
73.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.492	0.397	0.000	0.00	18.94	
73.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.492	0.397	0.000	0.00	5.98	
73.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.02	5.492	0.397	0.000	6.19	17.94	
73.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.492	0.397	0.000	3.16	48.97	
73.50	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	5.503	0.399	0.000	0.00	3.31	
73.50	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.22	0.26	5.503	0.399	0.000	1.59	11.22	
73.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.503	0.399	0.000	0.00	2.64	
73.50	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	5.503	0.399	0.000	0.00	9.54	
73.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.503	0.399	0.000	0.00	3.01	
73.50	(4) #18 Dywidag bars	Yes	0.50	1.200	7.00	0.43	0.52	5.503	0.399	0.000	3.12	9.04	
73.50	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.22	0.26	5.503	0.399	0.000	1.59	24.66	
74.00	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	5.513	0.393	0.000	0.00	3.27	
74.00	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.22	0.26	5.513	0.393	0.000	1.58	11.08	
74.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.513	0.393	0.000	0.00	2.61	
74.00	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	5.513	0.393	0.000	0.00	9.42	
74.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.513	0.393	0.000	0.00	2.98	
74.00	(4) #18 Dywidag bars	Yes	0.50	1.200	7.00	0.42	0.51	5.513	0.393	0.000	3.09	8.92	
74.00	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.22	0.26	5.513	0.393	0.000	1.58	24.34	
75.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.534	0.395	0.000	0.00	6.59	
75.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.534	0.395	0.000	3.19	22.33	
75.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.534	0.395	0.000	0.00	5.26	
75.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.534	0.395	0.000	0.00	18.97	

Pole : 302484  
Location : Branford CT 6, CT  
Height : 150.0 (ft)  
Base Dia : 37.38 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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



© 2007 - 2015 by ATC IP LLC. All rights reserved.

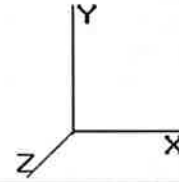
**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 0.75 in Radial Ice      31 Iterations  
Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
Wind Load Factor : 1.00

75.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.534	0.395	0.000	0.00	6.01
75.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.85	1.03	5.534	0.395	0.000	6.24	17.99
75.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.534	0.395	0.000	3.19	49.06
76.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.555	0.397	0.000	0.00	6.60
76.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.555	0.397	0.000	3.20	22.36
76.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.555	0.397	0.000	0.00	5.27
76.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.555	0.397	0.000	0.00	18.99
76.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.555	0.397	0.000	0.00	6.02
76.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.555	0.397	0.000	6.27	18.02
76.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.555	0.397	0.000	3.20	49.11
77.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.576	0.399	0.000	0.00	6.61
77.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.576	0.399	0.000	3.22	22.38
77.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.576	0.399	0.000	0.00	5.28
77.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.576	0.399	0.000	0.00	19.01
77.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.576	0.399	0.000	0.00	6.03
77.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.576	0.399	0.000	6.30	18.04
77.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.576	0.399	0.000	3.22	49.16
78.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.597	0.402	0.000	0.00	6.62
78.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.597	0.402	0.000	3.23	22.41
78.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.597	0.402	0.000	0.00	5.29
78.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.597	0.402	0.000	0.00	19.02
78.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.597	0.402	0.000	0.00	6.04
78.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.597	0.402	0.000	6.32	18.07
78.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.52	5.597	0.402	0.000	3.23	49.21
79.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.617	0.404	0.000	0.00	6.63
79.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.617	0.404	0.000	3.25	22.43
79.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.617	0.404	0.000	0.00	5.30
79.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.617	0.404	0.000	0.00	19.04
79.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.617	0.404	0.000	0.00	6.05
79.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.617	0.404	0.000	6.35	18.09
79.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.617	0.404	0.000	3.25	49.25
80.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.637	0.406	0.000	0.00	6.64
80.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.637	0.406	0.000	3.26	22.46
80.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.637	0.406	0.000	0.00	5.31
80.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.637	0.406	0.000	0.00	19.05
80.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.637	0.406	0.000	0.00	6.06
80.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.637	0.406	0.000	6.37	18.11
80.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.637	0.406	0.000	3.26	49.30
81.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.657	0.409	0.000	0.00	6.65
81.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.657	0.409	0.000	3.27	22.48
81.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.657	0.409	0.000	0.00	5.32
81.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.657	0.409	0.000	0.00	19.07
81.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.657	0.409	0.000	0.00	6.07
81.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.657	0.409	0.000	6.40	18.14
81.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.657	0.409	0.000	3.27	49.35
82.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.677	0.411	0.000	0.00	6.66
82.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.677	0.411	0.000	3.29	22.50
82.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.677	0.411	0.000	0.00	5.33
82.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.677	0.411	0.000	0.00	19.09
82.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.677	0.411	0.000	0.00	6.09
82.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.677	0.411	0.000	6.42	18.16
82.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.677	0.411	0.000	3.29	49.39
83.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.697	0.414	0.000	0.00	6.67
83.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.697	0.414	0.000	3.30	22.53
83.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.697	0.414	0.000	0.00	5.34
83.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.697	0.414	0.000	0.00	19.10
83.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.697	0.414	0.000	0.00	6.10

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:10 PM  
 Page : 80



© 2007 - 2015 by ATC IP LLC. All rights reserved.

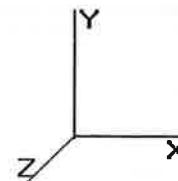
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

83.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.697	0.414	0.000	6.45	18.19
83.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.697	0.414	0.000	3.30	49.44
84.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.716	0.416	0.000	0.00	6.68
84.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.716	0.416	0.000	3.32	22.55
84.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.716	0.416	0.000	0.00	5.35
84.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.716	0.416	0.000	0.00	19.12
84.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.716	0.416	0.000	0.00	6.11
84.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.716	0.416	0.000	6.47	18.21
84.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.716	0.416	0.000	3.32	49.48
85.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.736	0.419	0.000	0.00	6.69
85.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.736	0.419	0.000	3.33	22.57
85.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.736	0.419	0.000	0.00	5.36
85.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.736	0.419	0.000	0.00	19.13
85.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.736	0.419	0.000	0.00	6.12
85.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.736	0.419	0.000	6.50	18.23
85.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.736	0.419	0.000	3.33	49.53
86.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.755	0.422	0.000	0.00	6.70
86.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.755	0.422	0.000	3.34	22.60
86.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.755	0.422	0.000	0.00	5.37
86.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.755	0.422	0.000	0.00	19.15
86.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.755	0.422	0.000	0.00	6.13
86.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.755	0.422	0.000	6.52	18.26
86.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.755	0.422	0.000	3.34	49.57
87.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.774	0.424	0.000	0.00	6.71
87.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.774	0.424	0.000	3.36	22.62
87.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.774	0.424	0.000	0.00	5.38
87.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.774	0.424	0.000	0.00	19.16
87.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.774	0.424	0.000	0.00	6.14
87.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.774	0.424	0.000	6.55	18.28
87.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.774	0.424	0.000	3.36	49.61
88.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.793	0.427	0.000	0.00	6.72
88.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.793	0.427	0.000	3.37	22.64
88.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.793	0.427	0.000	0.00	5.39
88.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.793	0.427	0.000	0.00	19.18
88.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.793	0.427	0.000	0.00	6.15
88.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.793	0.427	0.000	6.57	18.30
88.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.793	0.427	0.000	3.37	49.65
89.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.812	0.430	0.000	0.00	6.73
89.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.812	0.430	0.000	3.38	22.66
89.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.812	0.430	0.000	0.00	5.40
89.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.812	0.430	0.000	0.00	19.19
89.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.812	0.430	0.000	0.00	6.16
89.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.812	0.430	0.000	6.59	18.32
89.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.812	0.430	0.000	3.38	49.70
90.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.830	0.432	0.000	0.00	6.74
90.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.830	0.432	0.000	3.40	22.68
90.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.830	0.432	0.000	0.00	5.41
90.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.830	0.432	0.000	0.00	19.20
90.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.830	0.432	0.000	0.00	6.17
90.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.830	0.432	0.000	6.62	18.34
90.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.830	0.432	0.000	3.40	49.74
91.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.849	0.435	0.000	0.00	6.75
91.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.849	0.435	0.000	3.41	22.71
91.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.849	0.435	0.000	0.00	5.42
91.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.849	0.435	0.000	0.00	19.22
91.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.849	0.435	0.000	0.00	6.18
91.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.849	0.435	0.000	6.64	18.37

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:10 PM  
 Page: 81



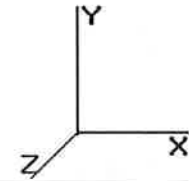
© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 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		

91.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.849	0.435	0.000	3.41	49.78
92.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.867	0.438	0.000	0.00	6.76
92.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.867	0.438	0.000	3.42	22.73
92.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.867	0.438	0.000	0.00	5.43
92.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.867	0.438	0.000	0.00	19.23
92.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.867	0.438	0.000	0.00	6.19
92.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.867	0.438	0.000	6.66	18.39
92.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.867	0.438	0.000	3.42	49.82
93.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.885	0.441	0.000	0.00	6.77
93.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.885	0.441	0.000	3.44	22.75
93.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.885	0.441	0.000	0.00	5.44
93.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.885	0.441	0.000	0.00	19.25
93.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.885	0.441	0.000	0.00	6.20
93.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.885	0.441	0.000	6.69	18.41
93.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.885	0.441	0.000	3.44	49.86
94.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.903	0.444	0.000	0.00	6.78
94.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.903	0.444	0.000	3.45	22.77
94.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.903	0.444	0.000	0.00	5.45
94.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.903	0.444	0.000	0.00	19.26
94.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.903	0.444	0.000	0.00	6.21
94.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.903	0.444	0.000	6.71	18.43
94.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.903	0.444	0.000	3.45	49.90
95.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.921	0.447	0.000	0.00	6.79
95.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.921	0.447	0.000	3.46	22.79
95.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.921	0.447	0.000	0.00	5.46
95.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.921	0.447	0.000	0.00	19.27
95.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.921	0.447	0.000	0.00	6.22
95.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.921	0.447	0.000	6.73	18.45
95.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.921	0.447	0.000	3.46	49.94
96.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.939	0.450	0.000	0.00	6.80
96.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.939	0.450	0.000	3.47	22.81
96.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.939	0.450	0.000	0.00	5.46
96.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.939	0.450	0.000	0.00	19.29
96.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.939	0.450	0.000	0.00	6.23
96.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.939	0.450	0.000	6.75	18.47
96.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.939	0.450	0.000	3.47	49.98
97.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.956	0.453	0.000	0.00	6.81
97.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.956	0.453	0.000	3.49	22.83
97.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.956	0.453	0.000	0.00	5.47
97.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.956	0.453	0.000	0.00	19.30
97.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.956	0.453	0.000	0.00	6.24
97.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.956	0.453	0.000	6.78	18.49
97.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.956	0.453	0.000	3.49	50.02
98.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.974	0.456	0.000	0.00	6.82
98.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.974	0.456	0.000	3.50	22.85
98.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.974	0.456	0.000	0.00	5.48
98.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.974	0.456	0.000	0.00	19.31
98.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.974	0.456	0.000	0.00	6.25
98.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.974	0.456	0.000	6.80	18.51
98.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.974	0.456	0.000	3.50	50.06
99.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	5.991	0.459	0.000	0.00	6.83
99.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.991	0.459	0.000	3.51	22.87
99.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.991	0.459	0.000	0.00	5.49
99.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	5.991	0.459	0.000	0.00	19.33
99.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.991	0.459	0.000	0.00	6.26
99.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.03	5.991	0.459	0.000	6.82	18.53
99.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	5.991	0.459	0.000	3.51	50.10

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 0.75 in Radial Ice      31 Iterations

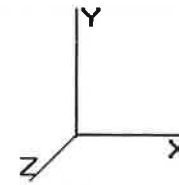
**Gust Response Factor :** 1.10      **Ice Dead Load Factor :** 1.00      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 1.20      **Ice Importance Factor :** 1.00  
**Wind Load Factor :** 1.00

100.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.008	0.462	0.000	0.00	6.84
100.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	6.008	0.462	0.000	3.52	22.89
100.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.008	0.462	0.000	0.00	5.50
100.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.008	0.462	0.000	0.00	19.34
100.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.008	0.462	0.000	0.00	6.27
100.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.008	0.462	0.000	6.84	18.55
100.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	6.008	0.462	0.000	3.52	50.13
101.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.026	0.465	0.000	0.00	6.85
101.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	6.026	0.465	0.000	3.54	22.91
101.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.026	0.465	0.000	0.00	5.51
101.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.026	0.465	0.000	0.00	19.35
101.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.026	0.465	0.000	0.00	6.28
101.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.026	0.465	0.000	6.86	18.57
101.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	6.026	0.465	0.000	3.54	50.17
102.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.043	0.468	0.000	0.00	6.85
102.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	6.043	0.468	0.000	3.55	22.93
102.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.043	0.468	0.000	0.00	5.52
102.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.043	0.468	0.000	0.00	19.37
102.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.043	0.468	0.000	0.00	6.29
102.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.043	0.468	0.000	6.88	18.59
102.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	6.043	0.468	0.000	3.55	50.21
103.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.059	0.472	0.000	0.00	6.86
103.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.53	6.059	0.472	0.000	3.56	22.95
103.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.059	0.472	0.000	0.00	5.52
103.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.059	0.472	0.000	0.00	19.38
103.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.059	0.472	0.000	0.00	6.30
103.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.059	0.472	0.000	6.91	18.61
103.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.53	6.059	0.472	0.000	3.56	50.25
104.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.076	0.475	0.000	0.00	6.87
104.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.53	6.076	0.475	0.000	3.57	22.97
104.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.076	0.475	0.000	0.00	5.53
104.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.076	0.475	0.000	0.00	19.39
104.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.076	0.475	0.000	0.00	6.30
104.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.076	0.475	0.000	6.93	18.63
104.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.53	6.076	0.475	0.000	3.57	50.28
105.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.093	0.478	0.000	0.00	6.88
105.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.53	6.093	0.478	0.000	3.58	22.99
105.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.093	0.478	0.000	0.00	5.54
105.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.093	0.478	0.000	0.00	19.41
105.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.093	0.478	0.000	0.00	6.31
105.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.093	0.478	0.000	6.95	18.65
105.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.53	6.093	0.478	0.000	3.58	50.32
106.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.109	0.482	0.000	0.00	6.89
106.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.109	0.482	0.000	3.60	23.01
106.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.109	0.482	0.000	0.00	5.55
106.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.109	0.482	0.000	0.00	19.42
106.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.109	0.482	0.000	0.00	6.32
106.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.109	0.482	0.000	6.97	18.67
106.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.109	0.482	0.000	3.60	50.36
107.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.126	0.485	0.000	0.00	6.90
107.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.126	0.485	0.000	3.61	23.03
107.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.126	0.485	0.000	0.00	5.56
107.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.126	0.485	0.000	0.00	19.43
107.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.126	0.485	0.000	0.00	6.33
107.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.126	0.485	0.000	6.99	18.69
107.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.126	0.485	0.000	3.61	50.39
108.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.142	0.489	0.000	0.00	6.91



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:10 PM  
 Page: 83

© 2007 - 2015 by ATC IP LLC. All rights reserved.

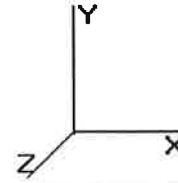
<b>Load Case: 1.2D + 1.0Di + 1.0Wi</b>	<b>50.00 mph with 0.75 in Radial Ice</b>	<b>31 Iterations</b>
<b>Gust Response Factor : 1.10</b>	<b>Ice Dead Load Factor : 1.00</b>	<b>Wind Importance Factor : 1.00</b>
<b>Dead Load Factor : 1.20</b>		<b>Ice Importance Factor : 1.00</b>
<b>Wind Load Factor : 1.00</b>		

108.0 (5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.142	0.489	0.000	3.62	23.04
108.0 (2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.142	0.489	0.000	0.00	5.57
108.0 (2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.142	0.489	0.000	0.00	19.44
108.0 (6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.142	0.489	0.000	0.00	6.34
108.0 (4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.142	0.489	0.000	7.01	18.71
108.0 (12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.142	0.489	0.000	3.62	50.43
109.0 (1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.158	0.492	0.000	0.00	6.91
109.0 (5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.158	0.492	0.000	3.63	23.06
109.0 (2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.158	0.492	0.000	0.00	5.57
109.0 (2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.158	0.492	0.000	0.00	19.45
109.0 (6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.158	0.492	0.000	0.00	6.35
109.0 (4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.158	0.492	0.000	7.03	18.72
109.0 (12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.158	0.492	0.000	3.63	50.46
110.0 (1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.174	0.496	0.000	0.00	6.92
110.0 (5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.174	0.496	0.000	3.64	23.08
110.0 (2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.174	0.496	0.000	0.00	5.58
110.0 (2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.174	0.496	0.000	0.00	19.47
110.0 (6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.174	0.496	0.000	0.00	6.36
110.0 (4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.174	0.496	0.000	7.05	18.74
110.0 (12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.174	0.496	0.000	3.64	50.50
110.0 (1) 1 1/4" Hybriflex	Yes	0.00	0.000	0.00	0.00	0.00	6.174	0.498	0.000	0.00	0.02
110.0 (5) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	6.174	0.498	0.000	0.01	0.08
110.0 (2) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	6.174	0.498	0.000	0.00	0.02
110.0 (2) 2" Conduit	Yes	0.00	0.000	0.00	0.00	0.00	6.174	0.498	0.000	0.00	0.06
110.0 (6) 5/16" Coax	Yes	0.00	0.000	0.00	0.00	0.00	6.174	0.498	0.000	0.00	0.02
110.0 (4) #18 Dywidag bars	Yes	0.00	1.200	7.00	0.00	0.00	6.174	0.498	0.000	0.02	0.06
110.0 (12) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	6.174	0.498	0.000	0.01	0.17
111.0 (1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.190	0.500	0.000	0.00	6.91
111.0 (5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.53	6.190	0.500	0.000	3.64	23.02
111.0 (2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.190	0.500	0.000	0.00	5.57
111.0 (2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.190	0.500	0.000	0.00	19.41
111.0 (6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.190	0.500	0.000	0.00	6.34
111.0 (4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.86	1.04	6.190	0.500	0.000	7.05	18.70
111.0 (12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.53	6.190	0.500	0.000	3.64	50.36
112.0 (1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.206	0.503	0.000	0.00	6.94
112.0 (5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.206	0.503	0.000	3.67	23.12
112.0 (2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.206	0.503	0.000	0.00	5.60
112.0 (2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.206	0.503	0.000	0.00	19.49
112.0 (6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.206	0.503	0.000	0.00	6.37
112.0 (4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.206	0.503	0.000	7.09	18.78
112.0 (12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.206	0.503	0.000	3.67	50.57
113.0 (1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.222	0.507	0.000	0.00	6.95
113.0 (5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.222	0.507	0.000	3.68	23.13
113.0 (2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.222	0.507	0.000	0.00	5.60
113.0 (2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.222	0.507	0.000	0.00	19.50
113.0 (6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.222	0.507	0.000	0.00	6.38
113.0 (4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.222	0.507	0.000	7.11	18.80
113.0 (12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.222	0.507	0.000	3.68	50.60
114.0 (1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.238	0.511	0.000	0.00	6.95
114.0 (5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.238	0.511	0.000	3.69	23.15
114.0 (2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.238	0.511	0.000	0.00	5.61
114.0 (2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.238	0.511	0.000	0.00	19.51
114.0 (6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.238	0.511	0.000	0.00	6.39
114.0 (4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.238	0.511	0.000	7.13	18.82
114.0 (12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.238	0.511	0.000	3.69	50.63
115.0 (1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.253	0.515	0.000	0.00	6.96
115.0 (5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.253	0.515	0.000	3.70	23.17

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 84



© 2007 - 2015 by ATC IP LLC. All rights reserved.

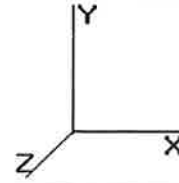
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi		50.00 mph with 0.75 in Radial Ice				31 Iterations		
Gust Response Factor : 1.10		Ice Dead Load Factor : 1.00				Wind Importance Factor : 1.00		
Dead Load Factor : 1.20						Ice Importance Factor : 1.00		
Wind Load Factor : 1.00								

115.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.253	0.515	0.000	0.00	5.62
115.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.253	0.515	0.000	0.00	19.53
115.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.253	0.515	0.000	0.00	6.40
115.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.253	0.515	0.000	7.15	18.83
115.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.253	0.515	0.000	3.70	50.67
116.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.269	0.519	0.000	0.00	6.97
116.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.269	0.519	0.000	3.71	23.19
116.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.269	0.519	0.000	0.00	5.63
116.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.269	0.519	0.000	0.00	19.54
116.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.269	0.519	0.000	0.00	6.41
116.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.269	0.519	0.000	7.17	18.85
116.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.269	0.519	0.000	3.71	50.70
117.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.284	0.523	0.000	0.00	6.98
117.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.284	0.523	0.000	3.72	23.20
117.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.284	0.523	0.000	0.00	5.64
117.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.284	0.523	0.000	0.00	19.55
117.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.284	0.523	0.000	0.00	6.42
117.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.284	0.523	0.000	7.19	18.87
117.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.284	0.523	0.000	3.72	50.73
118.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.299	0.527	0.000	0.00	6.99
118.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.299	0.527	0.000	3.73	23.22
118.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.299	0.527	0.000	0.00	5.64
118.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.299	0.527	0.000	0.00	19.56
118.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.299	0.527	0.000	0.00	6.42
118.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.299	0.527	0.000	7.21	18.89
118.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.299	0.527	0.000	3.73	50.77
119.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.315	0.531	0.000	0.00	6.99
119.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.315	0.531	0.000	3.74	23.24
119.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.315	0.531	0.000	0.00	5.65
119.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.315	0.531	0.000	0.00	19.57
119.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.315	0.531	0.000	0.00	6.43
119.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.315	0.531	0.000	7.23	18.90
119.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.315	0.531	0.000	3.74	50.80
120.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.330	0.535	0.000	0.00	7.00
120.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.330	0.535	0.000	3.76	23.26
120.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.330	0.535	0.000	0.00	5.66
120.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.330	0.535	0.000	0.00	19.58
120.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.330	0.535	0.000	0.00	6.44
120.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.330	0.535	0.000	7.25	18.92
120.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.330	0.535	0.000	3.76	50.83
121.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.345	0.539	0.000	0.00	7.01
121.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.345	0.539	0.000	3.77	23.27
121.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.345	0.539	0.000	0.00	5.66
121.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.345	0.539	0.000	0.00	19.59
121.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.345	0.539	0.000	0.00	6.45
121.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.345	0.539	0.000	7.27	18.94
121.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.345	0.539	0.000	3.77	50.86
122.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.360	0.544	0.000	0.00	7.02
122.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.360	0.544	0.000	3.78	23.29
122.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.360	0.544	0.000	0.00	5.67
122.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.360	0.544	0.000	0.00	19.60
122.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.360	0.544	0.000	0.00	6.46
122.0	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.87	1.04	6.360	0.544	0.000	7.29	18.95
122.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.360	0.544	0.000	3.78	50.90
123.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.375	0.548	0.000	0.00	7.02
123.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.375	0.548	0.000	3.79	23.31
123.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.375	0.548	0.000	0.00	5.68

Pole : 302484  
Location : Branford CT 6, CT  
Height : 150.0 (ft)  
Base Dia : 37.38 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
Page : 85



© 2007 - 2015 by ATC IP LLC. All rights reserved.

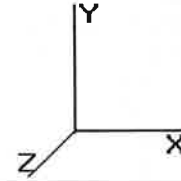
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

ID	Description	Yes	1.00	0.000	0.00	0.00	0.00	6.375	0.548	0.000	0.00	19.62
123.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.375	0.548	0.000	0.00	6.46
123.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.375	0.548	0.000	0.00	7.31
123.0	(4) #18 Dywidaq bars	Yes	1.00	1.200	7.00	0.87	1.04	6.375	0.548	0.000	7.31	18.97
123.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.375	0.548	0.000	3.79	50.93
124.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.389	0.302	0.000	0.00	7.03
124.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.389	0.302	0.000	3.80	23.32
124.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.389	0.302	0.000	5.22	31.22
124.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.389	0.302	0.000	0.00	5.69
124.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.389	0.302	0.000	0.00	19.63
124.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.389	0.302	0.000	0.00	6.47
125.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.404	0.304	0.000	0.00	7.04
125.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.404	0.304	0.000	3.81	23.34
125.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.404	0.304	0.000	5.23	31.24
125.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.404	0.304	0.000	0.00	5.69
125.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.404	0.304	0.000	0.00	19.64
125.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.404	0.304	0.000	0.00	6.48
126.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.419	0.307	0.000	0.00	7.05
126.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.419	0.307	0.000	3.82	23.35
126.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.419	0.307	0.000	5.25	31.26
126.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.419	0.307	0.000	0.00	5.70
126.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.419	0.307	0.000	0.00	19.65
126.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.419	0.307	0.000	0.00	6.49
127.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.433	0.309	0.000	0.00	7.05
127.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.433	0.309	0.000	3.83	23.37
127.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.433	0.309	0.000	5.26	31.28
127.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.433	0.309	0.000	0.00	5.71
127.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.433	0.309	0.000	0.00	19.66
127.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.433	0.309	0.000	0.00	6.50
128.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.448	0.312	0.000	0.00	7.06
128.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.448	0.312	0.000	3.84	23.39
128.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.448	0.312	0.000	5.27	31.30
128.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.448	0.312	0.000	0.00	5.71
128.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.448	0.312	0.000	0.00	19.67
128.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.448	0.312	0.000	0.00	6.50
129.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.462	0.314	0.000	0.00	7.07
129.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.462	0.314	0.000	3.85	23.40
129.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.462	0.314	0.000	5.29	31.32
129.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.462	0.314	0.000	0.00	5.72
129.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.462	0.314	0.000	0.00	19.68
129.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.462	0.314	0.000	0.00	6.51
130.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.476	0.317	0.000	0.00	7.07
130.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.476	0.317	0.000	3.86	23.42
130.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.476	0.317	0.000	5.30	31.34
130.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.476	0.317	0.000	0.00	5.73
130.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.476	0.317	0.000	0.00	19.69
130.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.476	0.317	0.000	0.00	6.52
131.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.490	0.320	0.000	0.00	7.08
131.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.490	0.320	0.000	3.87	23.43
131.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.490	0.320	0.000	5.31	31.36
132.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.504	0.323	0.000	0.00	7.09
132.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.504	0.323	0.000	3.88	23.45
132.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.504	0.323	0.000	5.33	31.38
133.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.519	0.326	0.000	0.00	7.10
133.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.519	0.326	0.000	3.89	23.47
133.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.74	6.519	0.326	0.000	5.34	31.40
134.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.532	0.328	0.000	0.00	7.10
134.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.532	0.328	0.000	3.90	23.48

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 86



© 2007 - 2015 by ATC IP LLC. All rights reserved.

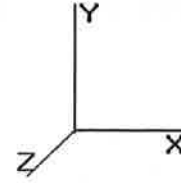
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

134.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.75	6.532	0.328	0.000	5.35	31.42
135.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.546	0.331	0.000	0.00	7.11
135.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.546	0.331	0.000	3.91	23.50
135.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.75	6.546	0.331	0.000	5.37	31.44
136.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.560	0.334	0.000	0.00	7.12
136.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.560	0.334	0.000	3.92	23.51
136.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.75	6.560	0.334	0.000	5.38	31.46
137.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.574	0.337	0.000	0.00	7.12
137.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.574	0.337	0.000	3.93	23.53
137.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.75	6.574	0.337	0.000	5.39	31.48
138.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.588	0.341	0.000	0.00	7.13
138.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.588	0.341	0.000	3.94	23.54
138.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.75	6.588	0.341	0.000	5.41	31.49
139.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.601	0.344	0.000	0.00	7.14
139.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.601	0.344	0.000	3.95	23.56
139.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.75	6.601	0.344	0.000	5.42	31.51
140.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.615	0.347	0.000	0.00	7.14
140.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	6.615	0.347	0.000	3.96	23.57
140.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.62	0.75	6.615	0.347	0.000	5.43	31.53
<b>Totals:</b>											1,591.77	16,459.23

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 87



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 0.75 in Radial Ice      31 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

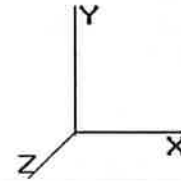
**Applied Segment Forces Summary**

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
1.00	27.17	464.93	0.00	0.00
2.00	27.38	472.58	0.00	0.00
3.00	27.48	538.22	0.00	0.00
4.00	27.53	541.19	0.00	0.00
5.00	27.56	543.35	0.00	0.00
6.00	27.57	544.99	0.00	0.00
7.00	27.57	546.26	0.00	0.00
8.00	27.55	547.24	0.00	0.00
9.00	27.54	548.01	0.00	0.00
10.00	27.51	548.61	0.00	0.00
11.00	27.48	549.06	0.00	0.00
12.00	27.45	549.40	0.00	0.00
13.00	27.42	549.63	0.00	0.00
14.00	27.38	549.77	0.00	0.00
15.00	27.34	549.84	0.00	0.00
16.00	27.30	549.84	0.00	0.00
17.00	27.25	549.78	0.00	0.00
18.00	27.21	549.67	0.00	0.00
19.00	27.16	488.27	0.00	0.00
20.00	27.11	488.06	0.00	0.00
21.00	27.06	487.82	0.00	0.00
22.00	27.01	487.54	0.00	0.00
23.00	26.96	487.23	0.00	0.00
24.00	26.91	486.88	0.00	0.00
25.00	26.85	486.51	0.00	0.00
26.00	26.80	486.12	0.00	0.00
27.00	26.74	485.69	0.00	0.00
28.00	26.69	485.25	0.00	0.00
29.00	26.63	484.78	0.00	0.00
30.00	26.59	484.29	0.00	0.00
31.00	26.79	483.79	0.00	0.00
31.50	13.52	243.28	0.00	0.00
32.00	13.54	307.40	0.00	0.00
33.00	27.46	618.11	0.00	0.00
34.00	27.64	616.91	0.00	0.00
35.00	27.80	615.70	0.00	0.00
35.67	18.69	411.81	0.00	0.00
36.00	9.22	151.55	0.00	0.00
37.00	28.12	458.98	0.00	0.00
38.00	28.27	458.50	0.00	0.00
39.00	28.41	458.00	0.00	0.00
40.00	28.55	457.50	0.00	0.00
41.00	28.69	456.98	0.00	0.00
42.00	28.82	456.46	0.00	0.00
43.00	28.94	455.92	0.00	0.00
44.00	29.06	455.37	0.00	0.00
45.00	29.18	454.82	0.00	0.00
46.00	29.29	454.25	0.00	0.00
47.00	29.40	453.68	0.00	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 88



© 2007 - 2015 by ATC IP LLC. All rights reserved.

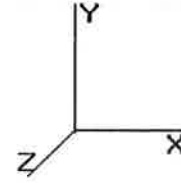
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

48.00	29.51	453.10	0.00	0.00
49.00	29.61	452.51	0.00	0.00
50.00	29.70	451.91	0.00	0.00
51.00	29.80	451.30	0.00	0.00
52.00	29.89	450.69	0.00	0.00
53.00	29.97	450.07	0.00	0.00
54.00	30.06	449.44	0.00	0.00
55.00	30.14	448.81	0.00	0.00
56.00	30.22	448.17	0.00	0.00
57.00	30.29	447.52	0.00	0.00
58.00	30.36	446.87	0.00	0.00
59.00	30.43	446.21	0.00	0.00
60.00	30.50	391.15	0.00	0.00
61.00	30.56	390.48	0.00	0.00
62.00	30.62	389.80	0.00	0.00
63.00	30.68	389.13	0.00	0.00
64.00	30.74	388.44	0.00	0.00
65.00	30.79	387.75	0.00	0.00
66.00	30.84	387.06	0.00	0.00
67.00	30.89	386.36	0.00	0.00
68.00	30.93	385.66	0.00	0.00
69.00	229.33	466.54	0.00	198.36
70.00	31.02	380.38	0.00	0.00
70.00	0.10	1.27	0.00	0.00
71.00	31.27	468.57	0.00	0.00
72.00	31.41	468.89	0.00	0.00
73.00	31.45	467.65	0.00	0.00
73.50	15.82	234.92	0.00	0.00
74.00	15.62	178.08	0.00	0.00
75.00	31.51	358.06	0.00	0.00
76.00	31.54	357.45	0.00	0.00
77.00	31.57	356.83	0.00	0.00
78.00	31.60	356.21	0.00	0.00
79.00	31.63	355.59	0.00	0.00
80.00	31.65	354.96	0.00	0.00
81.00	31.67	354.33	0.00	0.00
82.00	31.69	353.70	0.00	0.00
83.00	31.71	353.06	0.00	0.00
84.00	31.73	352.42	0.00	0.00
85.00	31.74	351.78	0.00	0.00
86.00	31.75	351.13	0.00	0.00
87.00	31.77	350.49	0.00	0.00
88.00	31.78	349.84	0.00	0.00
89.00	31.78	349.18	0.00	0.00
90.00	31.79	348.53	0.00	0.00
91.00	31.80	347.87	0.00	0.00
92.00	31.80	347.20	0.00	0.00
93.00	90.03	618.35	0.00	0.00
94.00	31.81	345.48	0.00	0.00
95.00	31.81	344.81	0.00	0.00
96.00	31.80	344.14	0.00	0.00
97.00	31.80	343.46	0.00	0.00
98.00	31.80	342.79	0.00	0.00
99.00	31.79	342.11	0.00	0.00
100.0	31.78	341.43	0.00	0.00
101.0	31.78	340.75	0.00	0.00
102.0	31.77	340.06	0.00	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 89



© 2007-2015 by ATC IP LLC. All rights reserved.

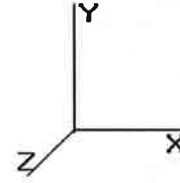
**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 0.75 in Radial Ice      31 Iterations  
**Gust Response Factor :** 1.10      **Ice Dead Load Factor :** 1.00      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 1.20      **Ice Importance Factor :** 1.00  
**Wind Load Factor :** 1.00

103.0	124.27	629.50	0.00	0.00
104.0	31.74	337.89	0.00	0.00
105.0	31.73	337.20	0.00	0.00
106.0	31.72	336.51	0.00	0.00
107.0	31.70	335.81	0.00	0.00
108.0	31.68	335.12	0.00	0.00
109.0	31.67	334.42	0.00	0.00
110.0	31.65	333.72	0.00	0.00
110.0	0.11	1.11	0.00	0.00
111.0	31.52	315.04	0.00	0.00
112.0	31.61	315.52	0.00	0.00
113.0	561.93	3,984.64	0.00	0.00
114.0	31.56	303.73	0.00	0.00
115.0	31.53	303.15	0.00	0.00
116.0	31.51	302.56	0.00	0.00
117.0	31.48	301.98	0.00	0.00
118.0	31.45	301.39	0.00	0.00
119.0	31.43	300.80	0.00	0.00
120.0	31.40	245.81	0.00	0.00
121.0	31.37	245.22	0.00	0.00
122.0	31.33	244.63	0.00	0.00
123.0	31.30	244.03	0.00	0.00
124.0	25.36	204.71	0.00	0.00
125.0	25.31	204.08	0.00	0.00
126.0	25.26	203.46	0.00	0.00
127.0	25.21	202.83	0.00	0.00
128.0	25.15	202.20	0.00	0.00
129.0	25.10	201.57	0.00	0.00
130.0	304.89	2,300.96	0.00	0.00
131.0	24.99	168.34	0.00	0.00
132.0	24.93	167.68	0.00	0.00
133.0	24.88	167.02	0.00	0.00
134.0	24.82	166.36	0.00	0.00
135.0	24.76	165.70	0.00	0.00
136.0	24.70	165.04	0.00	0.00
137.0	24.64	164.37	0.00	0.00
138.0	24.58	163.71	0.00	0.00
139.0	24.52	163.04	0.00	0.00
140.0	440.25	3,180.57	0.00	0.00
141.0	14.98	99.42	0.00	0.00
142.0	14.89	98.71	0.00	0.00
143.0	14.80	98.00	0.00	0.00
144.0	14.71	97.29	0.00	0.00
145.0	14.63	96.58	0.00	0.00
146.0	14.54	95.87	0.00	0.00
147.0	14.45	95.16	0.00	0.00
148.0	14.36	94.45	0.00	0.00
149.0	14.27	93.73	0.00	0.00
150.0	875.82	6,741.81	0.00	1,202.85
<b>Totals:</b>	<b>6,679.27</b>	<b>71,802.98</b>	<b>0.00</b>	<b>1,401.20</b>

**Pole :** 302484  
**Location :** Branford CT 6, CT  
**Height :** 150.0 (ft)  
**Base Dia :** 37.38 (in)  
**Top Dia :** 15.00 (in)  
**Shape :** 12 Sides  
**Taper :** 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 90



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 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		

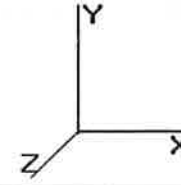
### Calculated Forces

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	-71.80	-6.68	0.00	-682.16	0.00	682.16	3,133.66	1,566.83	4,776.46	2,358.91	0.00	0.00	0.148
1.00	-71.34	-6.67	0.00	-675.48	0.00	675.48	3,125.28	1,562.64	4,743.31	2,342.54	0.00	-0.01	0.147
2.00	-70.86	-6.66	0.00	-668.81	0.00	668.81	3,116.86	1,558.43	4,710.21	2,326.20	0.01	-0.02	0.146
3.00	-70.32	-6.64	0.00	-662.15	0.00	662.15	3,108.40	1,554.20	4,677.16	2,309.87	0.01	-0.03	0.121
4.00	-69.78	-6.63	0.00	-655.50	0.00	655.50	3,099.89	1,549.95	4,644.15	2,293.57	0.02	-0.04	0.120
5.00	-69.24	-6.61	0.00	-648.88	0.00	648.88	3,091.35	1,545.67	4,611.19	2,277.30	0.03	-0.05	0.119
6.00	-68.69	-6.59	0.00	-642.27	0.00	642.27	3,082.76	1,541.38	4,578.29	2,261.04	0.04	-0.06	0.119
7.00	-68.14	-6.58	0.00	-635.67	0.00	635.67	3,074.13	1,537.07	4,545.43	2,244.82	0.06	-0.07	0.118
8.00	-67.59	-6.56	0.00	-629.09	0.00	629.09	3,065.46	1,532.73	4,512.63	2,228.62	0.07	-0.08	0.117
9.00	-67.05	-6.54	0.00	-622.53	0.00	622.53	3,056.75	1,528.37	4,479.87	2,212.44	0.09	-0.09	0.116
10.00	-66.50	-6.53	0.00	-615.99	0.00	615.99	3,047.99	1,524.00	4,447.17	2,196.29	0.11	-0.10	0.115
11.00	-65.95	-6.51	0.00	-609.46	0.00	609.46	3,039.20	1,519.60	4,414.53	2,180.17	0.13	-0.11	0.114
12.00	-65.39	-6.49	0.00	-602.96	0.00	602.96	3,030.36	1,515.18	4,381.94	2,164.07	0.16	-0.12	0.114
13.00	-64.84	-6.47	0.00	-596.46	0.00	596.46	3,021.48	1,510.74	4,349.40	2,148.01	0.19	-0.13	0.113
14.00	-64.29	-6.46	0.00	-589.99	0.00	589.99	3,012.56	1,506.28	4,316.92	2,131.97	0.21	-0.14	0.112
15.00	-63.74	-6.44	0.00	-583.54	0.00	583.54	3,003.60	1,501.80	4,284.50	2,115.95	0.24	-0.15	0.111
16.00	-63.19	-6.42	0.00	-577.10	0.00	577.10	2,994.60	1,497.30	4,252.13	2,099.97	0.28	-0.16	0.110
17.00	-62.64	-6.40	0.00	-570.68	0.00	570.68	2,985.55	1,492.78	4,219.83	2,084.01	0.31	-0.17	0.110
18.00	-62.09	-6.38	0.00	-564.28	0.00	564.28	2,976.47	1,488.23	4,187.58	2,068.09	0.35	-0.18	0.109
18.00	-62.09	-6.38	0.00	-564.28	0.00	564.28	2,976.47	1,488.23	4,187.58	2,068.09	0.35	-0.18	0.131
19.00	-61.60	-6.36	0.00	-557.90	0.00	557.90	2,967.34	1,483.67	4,155.39	2,052.19	0.39	-0.19	0.130
20.00	-61.11	-6.35	0.00	-551.54	0.00	551.54	2,958.17	1,479.08	4,123.27	2,036.33	0.43	-0.20	0.129
21.00	-60.62	-6.33	0.00	-545.19	0.00	545.19	2,948.96	1,474.48	4,091.20	2,020.49	0.47	-0.21	0.128
22.00	-60.13	-6.31	0.00	-538.86	0.00	538.86	2,939.70	1,469.85	4,059.20	2,004.69	0.51	-0.22	0.127
23.00	-59.65	-6.30	0.00	-532.55	0.00	532.55	2,930.41	1,465.20	4,027.26	1,988.91	0.56	-0.23	0.126
24.00	-59.16	-6.28	0.00	-526.25	0.00	526.25	2,921.07	1,460.54	3,995.39	1,973.17	0.61	-0.24	0.125
25.00	-58.67	-6.26	0.00	-519.97	0.00	519.97	2,911.70	1,455.85	3,963.58	1,957.46	0.66	-0.25	0.124
26.00	-58.18	-6.24	0.00	-513.71	0.00	513.71	2,902.28	1,451.14	3,931.84	1,941.79	0.72	-0.27	0.123
27.00	-57.70	-6.23	0.00	-507.47	0.00	507.47	2,892.81	1,446.41	3,900.17	1,926.14	0.78	-0.28	0.122
28.00	-57.21	-6.21	0.00	-501.24	0.00	501.24	2,883.31	1,441.66	3,868.56	1,910.54	0.83	-0.29	0.121
29.00	-56.72	-6.19	0.00	-495.03	0.00	495.03	2,873.77	1,436.88	3,837.02	1,894.96	0.90	-0.30	0.120
30.00	-56.24	-6.17	0.00	-488.84	0.00	488.84	2,864.18	1,432.09	3,805.55	1,879.42	0.96	-0.31	0.119
31.00	-55.75	-6.15	0.00	-482.67	0.00	482.67	2,854.56	1,427.28	3,774.15	1,863.91	1.03	-0.32	0.118
31.50	-55.51	-6.14	0.00	-479.58	0.00	479.58	2,849.69	1,424.85	3,758.37	1,856.12	1.06	-0.33	0.118
32.00	-55.20	-6.13	0.00	-476.53	0.00	476.53	2,844.89	1,422.44	3,742.82	1,848.44	1.10	-0.33	0.115
33.00	-54.58	-6.11	0.00	-470.39	0.00	470.39	2,833.37	1,416.69	3,709.20	1,831.83	1.17	-0.34	0.114
34.00	-53.97	-6.09	0.00	-464.28	0.00	464.28	2,819.42	1,409.71	3,672.56	1,813.74	1.24	-0.35	0.114
35.00	-53.35	-6.07	0.00	-458.19	0.00	458.19	2,805.48	1,402.74	3,636.10	1,795.73	1.31	-0.37	0.113
35.67	-52.94	-6.05	0.00	-454.12	0.00	454.12	2,236.04	1,118.02	2,957.95	1,460.82	1.37	-0.37	0.128
36.00	-52.78	-6.05	0.00	-452.13	0.00	452.13	2,233.84	1,116.92	2,950.23	1,457.01	1.39	-0.38	0.127
37.00	-52.32	-6.03	0.00	-446.08	0.00	446.08	2,227.15	1,113.58	2,926.88	1,445.48	1.47	-0.39	0.126
38.00	-51.86	-6.01	0.00	-440.05	0.00	440.05	2,220.42	1,110.21	2,903.56	1,433.96	1.56	-0.40	0.125
39.00	-51.41	-5.98	0.00	-434.04	0.00	434.04	2,213.65	1,106.83	2,880.28	1,422.46	1.64	-0.41	0.124
40.00	-50.95	-5.96	0.00	-428.06	0.00	428.06	2,206.84	1,103.42	2,857.02	1,410.98	1.73	-0.42	0.122
41.00	-50.49	-5.94	0.00	-422.10	0.00	422.10	2,199.98	1,099.99	2,833.81	1,399.51	1.82	-0.43	0.121
42.00	-50.03	-5.92	0.00	-416.16	0.00	416.16	2,193.09	1,096.54	2,810.63	1,388.06	1.91	-0.44	0.120
43.00	-49.58	-5.89	0.00	-410.24	0.00	410.24	2,186.15	1,093.07	2,787.48	1,376.63	2.00	-0.45	0.118
44.00	-49.12	-5.87	0.00	-404.35	0.00	404.35	2,179.17	1,089.58	2,764.38	1,365.22	2.10	-0.46	0.117
45.00	-48.66	-5.85	0.00	-398.48	0.00	398.48	2,172.15	1,086.07	2,741.31	1,353.83	2.20	-0.48	0.116
46.00	-48.21	-5.82	0.00	-392.63	0.00	392.63	2,165.08	1,082.54	2,718.28	1,342.46	2.30	-0.49	0.115
47.00	-47.75	-5.80	0.00	-386.80	0.00	386.80	2,157.98	1,078.99	2,695.29	1,331.10	2.40	-0.50	0.113



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



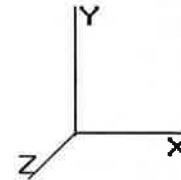
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

48.00	-47.30	-5.77	0.00	-381.01	0.00	381.01	2,150.84	1,075.42	2,672.35	1,319.77	2.51	-0.51	0.112
49.00	-46.85	-5.75	0.00	-375.23	0.00	375.23	2,143.65	1,071.82	2,649.44	1,308.46	2.61	-0.52	0.111
50.00	-46.39	-5.72	0.00	-369.48	0.00	369.48	2,136.42	1,068.21	2,626.58	1,297.17	2.72	-0.53	0.110
51.00	-45.94	-5.70	0.00	-363.76	0.00	363.76	2,129.15	1,064.57	2,603.76	1,285.90	2.84	-0.54	0.108
52.00	-45.49	-5.67	0.00	-358.06	0.00	358.06	2,121.84	1,060.92	2,580.99	1,274.65	2.95	-0.55	0.107
53.00	-45.04	-5.65	0.00	-352.39	0.00	352.39	2,114.48	1,057.24	2,558.26	1,263.43	3.07	-0.56	0.106
54.00	-44.59	-5.62	0.00	-346.74	0.00	346.74	2,107.09	1,053.54	2,535.57	1,252.22	3.19	-0.57	0.104
55.00	-44.14	-5.59	0.00	-341.12	0.00	341.12	2,099.65	1,049.82	2,512.93	1,241.04	3.31	-0.58	0.103
56.00	-43.69	-5.57	0.00	-335.53	0.00	335.53	2,092.17	1,046.09	2,490.35	1,229.89	3.43	-0.59	0.102
57.00	-43.24	-5.54	0.00	-329.96	0.00	329.96	2,084.65	1,042.33	2,467.80	1,218.76	3.55	-0.60	0.101
58.00	-42.80	-5.51	0.00	-324.42	0.00	324.42	2,077.09	1,038.54	2,445.31	1,207.65	3.68	-0.61	0.099
59.00	-42.35	-5.48	0.00	-318.91	0.00	318.91	2,069.49	1,034.74	2,422.87	1,196.56	3.81	-0.62	0.098
59.00	-42.35	-5.48	0.00	-318.91	0.00	318.91	2,069.49	1,034.74	2,422.87	1,196.56	3.81	-0.62	0.136
60.00	-41.96	-5.46	0.00	-313.42	0.00	313.42	2,061.84	1,030.92	2,400.48	1,185.51	3.94	-0.63	0.135
61.00	-41.57	-5.43	0.00	-307.97	0.00	307.97	2,054.15	1,027.08	2,378.14	1,174.47	4.08	-0.65	0.133
62.00	-41.17	-5.41	0.00	-302.53	0.00	302.53	2,046.43	1,023.21	2,355.85	1,163.47	4.21	-0.66	0.131
63.00	-40.78	-5.38	0.00	-297.12	0.00	297.12	2,038.66	1,019.33	2,333.61	1,152.48	4.35	-0.67	0.130
64.00	-40.40	-5.36	0.00	-291.74	0.00	291.74	2,030.85	1,015.42	2,311.43	1,141.53	4.50	-0.69	0.128
65.00	-40.01	-5.33	0.00	-286.39	0.00	286.39	2,022.99	1,011.50	2,289.31	1,130.60	4.64	-0.70	0.126
66.00	-39.62	-5.30	0.00	-281.05	0.00	281.05	2,015.10	1,007.55	2,267.24	1,119.70	4.79	-0.71	0.124
67.00	-39.23	-5.28	0.00	-275.75	0.00	275.75	2,007.16	1,003.58	2,245.22	1,108.83	4.94	-0.73	0.123
68.00	-38.85	-5.25	0.00	-270.47	0.00	270.47	1,999.18	999.59	2,223.27	1,097.99	5.10	-0.74	0.121
69.00	-38.38	-5.02	0.00	-265.02	0.00	265.02	1,991.17	995.58	2,201.37	1,087.17	5.25	-0.75	0.119
70.00	-38.00	-4.99	0.00	-260.00	0.00	260.00	1,983.10	991.55	2,179.53	1,076.39	5.41	-0.77	0.117
70.00	-38.00	-5.00	0.00	-259.98	0.00	259.98	1,983.08	991.54	2,179.46	1,076.35	5.41	-0.77	0.117
71.00	-37.53	-4.97	0.00	-255.00	0.00	255.00	1,973.67	986.83	2,156.29	1,064.91	5.58	-0.78	0.114
72.00	-37.06	-4.94	0.00	-250.03	0.00	250.03	1,962.03	981.01	2,130.78	1,052.31	5.74	-0.79	0.113
73.00	-36.59	-4.91	0.00	-245.09	0.00	245.09	1,950.39	975.19	2,105.42	1,039.79	5.91	-0.81	0.111
73.50	-36.36	-4.89	0.00	-242.62	0.00	242.62	1,462.66	731.33	1,612.14	796.18	5.99	-0.81	0.131
74.00	-36.18	-4.88	0.00	-240.20	0.00	240.20	1,460.16	730.08	1,604.66	792.48	6.08	-0.82	0.130
75.00	-35.82	-4.85	0.00	-235.32	0.00	235.32	1,455.09	727.55	1,589.60	785.05	6.25	-0.83	0.128
76.00	-35.46	-4.82	0.00	-230.47	0.00	230.47	1,449.99	724.99	1,574.57	777.62	6.43	-0.85	0.126
77.00	-35.10	-4.79	0.00	-225.64	0.00	225.64	1,444.84	722.42	1,559.56	770.21	6.61	-0.86	0.124
78.00	-34.75	-4.76	0.00	-220.85	0.00	220.85	1,439.65	719.82	1,544.57	762.81	6.79	-0.87	0.122
79.00	-34.39	-4.73	0.00	-216.09	0.00	216.09	1,434.42	717.21	1,529.61	755.42	6.97	-0.88	0.120
80.00	-34.04	-4.71	0.00	-211.35	0.00	211.35	1,429.14	714.57	1,514.67	748.04	7.16	-0.90	0.117
81.00	-33.68	-4.68	0.00	-206.65	0.00	206.65	1,423.83	711.91	1,499.76	740.67	7.35	-0.91	0.115
82.00	-33.33	-4.65	0.00	-201.97	0.00	201.97	1,418.47	709.24	1,484.87	733.32	7.54	-0.92	0.113
83.00	-32.97	-4.61	0.00	-197.33	0.00	197.33	1,413.07	706.54	1,470.00	725.98	7.73	-0.93	0.111
84.00	-32.62	-4.58	0.00	-192.71	0.00	192.71	1,407.64	703.82	1,455.17	718.65	7.93	-0.95	0.109
85.00	-32.27	-4.55	0.00	-188.13	0.00	188.13	1,402.15	701.08	1,440.36	711.34	8.13	-0.96	0.107
86.00	-31.92	-4.52	0.00	-183.57	0.00	183.57	1,396.63	698.32	1,425.58	704.04	8.33	-0.97	0.105
87.00	-31.57	-4.49	0.00	-179.05	0.00	179.05	1,391.07	695.53	1,410.84	696.76	8.54	-0.98	0.103
88.00	-31.22	-4.46	0.00	-174.56	0.00	174.56	1,385.46	692.73	1,396.12	689.49	8.74	-0.99	0.101
89.00	-30.87	-4.43	0.00	-170.10	0.00	170.10	1,379.82	689.91	1,381.43	682.24	8.95	-1.00	0.099
90.00	-30.52	-4.40	0.00	-165.68	0.00	165.68	1,374.13	687.06	1,366.78	675.00	9.17	-1.02	0.097
91.00	-30.17	-4.36	0.00	-161.28	0.00	161.28	1,368.40	684.20	1,352.16	667.78	9.38	-1.03	0.095
92.00	-29.82	-4.33	0.00	-156.92	0.00	156.92	1,362.62	681.31	1,337.57	660.58	9.60	-1.04	0.092
93.00	-29.20	-4.24	0.00	-152.59	0.00	152.59	1,356.81	678.41	1,323.02	653.39	9.81	-1.05	0.090
94.00	-28.86	-4.20	0.00	-148.35	0.00	148.35	1,350.95	675.48	1,308.50	646.22	10.03	-1.06	0.088
95.00	-28.51	-4.17	0.00	-144.15	0.00	144.15	1,345.06	672.53	1,294.02	639.07	10.26	-1.07	0.086
96.00	-28.17	-4.14	0.00	-139.98	0.00	139.98	1,339.12	669.56	1,279.58	631.94	10.48	-1.08	0.084
97.00	-27.83	-4.10	0.00	-135.84	0.00	135.84	1,333.14	666.57	1,265.17	624.82	10.71	-1.09	0.082
98.00	-27.48	-4.07	0.00	-131.74	0.00	131.74	1,327.12	663.56	1,250.81	617.73	10.94	-1.10	0.080
99.00	-27.14	-4.03	0.00	-127.67	0.00	127.67	1,321.05	660.53	1,236.48	610.65	11.17	-1.11	0.078
100.00	-26.80	-4.00	0.00	-123.64	0.00	123.64	1,314.95	657.47	1,222.19	603.60	11.40	-1.12	0.076
101.00	-26.46	-3.97	0.00	-119.64	0.00	119.64	1,308.80	654.40	1,207.95	596.56	11.64	-1.13	0.074

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 92



© 2007 - 2015 by ATC IP LLC. All rights reserved.

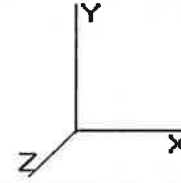
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	31 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

102.00	-26.12	-3.93	0.00	-115.67	0.00	115.67	1,302.62	651.31	1,193.75	589.55	11.88	-1.14	0.072
103.00	-25.49	-3.80	0.00	-111.74	0.00	111.74	1,296.39	648.19	1,179.59	582.55	12.12	-1.15	0.070
104.00	-25.15	-3.76	0.00	-107.94	0.00	107.94	1,290.11	645.06	1,165.47	575.58	12.36	-1.15	0.068
105.00	-24.82	-3.73	0.00	-104.18	0.00	104.18	1,283.80	641.90	1,151.40	568.63	12.60	-1.16	0.066
106.00	-24.48	-3.69	0.00	-100.45	0.00	100.45	1,277.45	638.72	1,137.37	561.70	12.85	-1.17	0.064
107.00	-24.14	-3.66	0.00	-96.75	0.00	96.75	1,271.05	635.53	1,123.39	554.80	13.09	-1.18	0.062
108.00	-23.81	-3.62	0.00	-93.09	0.00	93.09	1,264.61	632.31	1,109.46	547.92	13.34	-1.19	0.060
109.00	-23.48	-3.59	0.00	-89.47	0.00	89.47	1,258.19	629.10	1,095.54	541.07	13.59	-1.20	0.058
110.00	-23.14	-3.55	0.00	-85.88	0.00	85.88	1,247.19	623.60	1,077.91	532.34	13.84	-1.20	0.057
110.00	-23.14	-3.55	0.00	-85.87	0.00	85.87	1,247.16	623.58	1,077.86	532.31	13.84	-1.20	0.057
110.00	-23.14	-3.55	0.00	-85.87	0.00	85.87	849.80	424.90	738.78	364.86	13.84	-1.20	0.068
111.00	-22.83	-3.52	0.00	-82.33	0.00	82.33	846.28	423.14	730.22	360.63	14.09	-1.21	0.066
112.00	-22.51	-3.48	0.00	-78.81	0.00	78.81	842.69	421.35	721.63	356.39	14.35	-1.22	0.063
113.00	-18.54	-2.84	0.00	-75.33	0.00	75.33	839.07	419.54	713.06	352.15	14.60	-1.23	0.059
114.00	-18.24	-2.80	0.00	-72.49	0.00	72.49	835.41	417.70	704.50	347.92	14.86	-1.23	0.057
115.00	-17.93	-2.77	0.00	-69.68	0.00	69.68	831.70	415.85	695.95	343.70	15.12	-1.24	0.055
116.00	-17.63	-2.73	0.00	-66.92	0.00	66.92	827.95	413.98	687.42	339.49	15.38	-1.25	0.053
117.00	-17.33	-2.69	0.00	-64.19	0.00	64.19	824.16	412.08	678.90	335.28	15.64	-1.25	0.051
118.00	-17.03	-2.66	0.00	-61.49	0.00	61.49	820.33	410.17	670.39	331.08	15.91	-1.26	0.050
119.00	-16.73	-2.62	0.00	-58.83	0.00	58.83	816.46	408.23	661.91	326.89	16.17	-1.27	0.048
119.00	-16.73	-2.62	0.00	-58.83	0.00	58.83	816.46	408.23	661.91	326.89	16.17	-1.27	0.201
120.00	-16.48	-2.59	0.00	-56.21	0.00	56.21	812.54	406.27	653.43	322.71	16.44	-1.27	0.195
121.00	-16.24	-2.56	0.00	-53.62	0.00	53.62	808.59	404.29	644.98	318.53	16.70	-1.30	0.188
122.00	-15.99	-2.53	0.00	-51.06	0.00	51.06	804.59	402.30	636.55	314.37	16.98	-1.33	0.182
123.00	-15.75	-2.50	0.00	-48.53	0.00	48.53	800.55	400.28	628.13	310.21	17.26	-1.35	0.176
124.00	-15.54	-2.48	0.00	-46.03	0.00	46.03	796.47	398.24	619.74	306.07	17.55	-1.38	0.170
125.00	-15.34	-2.45	0.00	-43.55	0.00	43.55	792.35	396.17	611.37	301.93	17.84	-1.40	0.164
126.00	-15.13	-2.43	0.00	-41.10	0.00	41.10	788.19	394.09	603.01	297.81	18.13	-1.42	0.157
127.00	-14.93	-2.41	0.00	-38.67	0.00	38.67	783.98	391.99	594.69	293.69	18.43	-1.45	0.151
128.00	-14.73	-2.38	0.00	-36.26	0.00	36.26	779.73	389.87	586.38	289.59	18.74	-1.47	0.144
129.00	-14.53	-2.36	0.00	-33.88	0.00	33.88	775.44	387.72	578.10	285.50	19.05	-1.49	0.137
130.00	-12.23	-2.00	0.00	-31.52	0.00	31.52	771.11	385.56	569.85	281.43	19.36	-1.51	0.128
131.00	-12.07	-1.97	0.00	-29.53	0.00	29.53	766.74	383.37	561.62	277.36	19.68	-1.53	0.122
132.00	-11.90	-1.94	0.00	-27.56	0.00	27.56	762.33	381.16	553.41	273.31	20.01	-1.55	0.116
133.00	-11.73	-1.92	0.00	-25.62	0.00	25.62	757.87	378.94	545.24	269.27	20.33	-1.57	0.111
134.00	-11.57	-1.89	0.00	-23.70	0.00	23.70	753.38	376.69	537.09	265.25	20.66	-1.58	0.105
135.00	-11.40	-1.87	0.00	-21.81	0.00	21.81	748.84	374.42	528.98	261.24	21.00	-1.60	0.099
136.00	-11.24	-1.84	0.00	-19.94	0.00	19.94	744.26	372.13	520.89	257.25	21.33	-1.62	0.093
137.00	-11.07	-1.81	0.00	-18.10	0.00	18.10	739.64	369.82	512.83	253.27	21.67	-1.63	0.086
138.00	-10.91	-1.79	0.00	-16.29	0.00	16.29	734.98	367.49	504.81	249.31	22.01	-1.64	0.080
139.00	-10.75	-1.76	0.00	-14.50	0.00	14.50	730.27	365.14	496.82	245.36	22.36	-1.65	0.074
140.00	-7.58	-1.23	0.00	-12.74	0.00	12.74	725.52	362.76	488.86	241.43	22.71	-1.67	0.063
141.00	-7.48	-1.21	0.00	-11.51	0.00	11.51	720.74	360.37	480.93	237.51	23.06	-1.68	0.059
142.00	-7.38	-1.20	0.00	-10.30	0.00	10.30	715.91	357.95	473.04	233.62	23.41	-1.69	0.054
143.00	-7.28	-1.18	0.00	-9.10	0.00	9.10	709.92	354.96	464.46	229.38	23.76	-1.69	0.050
144.00	-7.19	-1.16	0.00	-7.93	0.00	7.93	702.92	351.46	455.30	224.86	24.12	-1.70	0.045
145.00	-7.09	-1.15	0.00	-6.76	0.00	6.76	695.93	347.97	446.23	220.38	24.48	-1.71	0.041
146.00	-6.99	-1.13	0.00	-5.62	0.00	5.62	688.94	344.47	437.26	215.95	24.84	-1.71	0.036
147.00	-6.90	-1.11	0.00	-4.49	0.00	4.49	681.95	340.97	428.38	211.56	25.19	-1.72	0.031
148.00	-6.81	-1.10	0.00	-3.38	0.00	3.38	674.96	337.48	419.58	207.22	25.56	-1.72	0.026
149.00	-6.71	-1.08	0.00	-2.28	0.00	2.28	667.96	333.98	410.88	202.92	25.92	-1.73	0.021
150.00	0.00	-0.88	0.00	-1.20	0.00	1.20	660.97	330.49	402.27	198.67	26.28	-1.73	0.006

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 93



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0E	Dead Load with Seismic	0 Iterations
Gust Response Factor : 1.10	Sds : 0.26	Ss : 0.24
Dead Load Factor : 1.20	Seismic Load Factor : 1.00	Sd1 : 0.10
Wind Load Factor : 0.00	Structure Frequency : 0.2390	SA : 0.02
		Seismic Importance Factor : 1.00

**Total Segment Forces (Factored)**

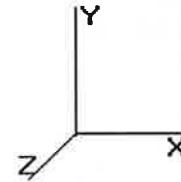
R : 1.50

Seg Top			Lateral		
Elev	Description	Wz	a	b	Fs
(ft)		(lb)			(lb)
0.00		0.00	0.00	0.00	0.00
1.00		151.73	0.00	0.01	1.83
2.00	Reinf Bottom Reinf	151.08	0.00	0.01	3.04
3.00		150.44	0.00	0.02	3.93
4.00		149.79	0.00	0.03	4.63
5.00		149.15	0.00	0.03	5.18
6.00		148.51	0.00	0.04	5.62
7.00		147.86	0.00	0.04	5.98
8.00		147.22	0.01	0.05	6.28
9.00		146.58	0.01	0.05	6.53
10.00		145.93	0.01	0.05	6.74
11.00		145.29	0.01	0.06	6.91
12.00		144.64	0.01	0.06	7.05
13.00		144.00	0.01	0.06	7.16
14.00		143.36	0.02	0.06	7.25
15.00		142.71	0.02	0.06	7.33
16.00		142.07	0.02	0.06	7.38
17.00		141.42	0.02	0.07	7.43
18.00	Reinf. Top Reinf. Top	140.78	0.03	0.07	7.47
19.00		140.14	0.03	0.07	7.49
20.00		139.49	0.03	0.07	7.51
21.00		138.85	0.04	0.07	7.53
22.00		138.21	0.04	0.07	7.54
23.00		137.56	0.04	0.07	7.54
24.00		136.92	0.05	0.07	7.55
25.00		136.27	0.05	0.07	7.55
26.00		135.63	0.06	0.07	7.55
27.00		134.99	0.06	0.07	7.55
28.00		134.34	0.07	0.07	7.55
29.00		133.70	0.07	0.07	7.55
30.00		133.05	0.08	0.07	7.55
31.00		132.41	0.08	0.07	7.55
31.50	Bot - Section 2	66.40	0.08	0.07	3.80
32.00		121.09	0.09	0.07	6.94
33.00		242.93	0.09	0.07	14.01
34.00		241.74	0.10	0.07	14.02
35.00		240.56	0.10	0.07	14.03
35.67	Top - Section 1	160.52	0.11	0.07	9.40
36.00		36.30	0.11	0.07	2.13
37.00		109.65	0.11	0.07	6.47
38.00		109.12	0.12	0.07	6.48
39.00		108.58	0.13	0.07	6.49
40.00		108.04	0.13	0.07	6.49
41.00		107.50	0.14	0.07	6.50
42.00		106.97	0.15	0.07	6.51
43.00		106.43	0.16	0.07	6.51
44.00		105.89	0.16	0.07	6.51
45.00		105.35	0.17	0.07	6.51
46.00		104.82	0.18	0.07	6.51
47.00		104.28	0.19	0.06	6.50
48.00		103.74	0.19	0.06	6.49

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 94



© 2007 - 2015 by ATC IP LLC. All rights reserved.

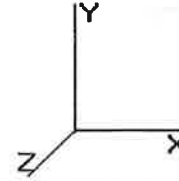
<b>Load Case: 1.2D + 1.0E</b>	<b>Dead Load with Seismic</b>	<b>0 Iterations</b>
Gust Response Factor : 1.10	Sds : 0.26	Ss : 0.24
Dead Load Factor : 1.20	Seismic Load Factor : 1.00	S1 : 0.06
Wind Load Factor : 0.00	Structure Frequency : 0.2390	SA : 0.02
		Seismic Importance Factor : 1.00

49.00	103.20	0.20	0.06	0.02	6.47	
50.00	102.67	0.21	0.06	0.02	6.45	
51.00	102.13	0.22	0.06	0.02	6.42	
52.00	101.59	0.23	0.06	0.02	6.38	
53.00	101.06	0.24	0.06	0.02	6.33	
54.00	100.52	0.24	0.06	0.02	6.27	
55.00	99.98	0.25	0.05	0.02	6.19	
56.00	99.44	0.26	0.05	0.02	6.10	
57.00	98.91	0.27	0.05	0.01	6.00	
58.00	98.37	0.28	0.05	0.01	5.87	
59.00	Reinf. Top	97.83	0.29	0.05	0.01	5.73
60.00		97.29	0.30	0.04	0.01	5.57
61.00		96.76	0.31	0.04	0.01	5.38
62.00		96.22	0.32	0.04	0.01	5.16
63.00		95.68	0.33	0.04	0.01	4.92
64.00		95.14	0.34	0.03	0.01	4.65
65.00		94.61	0.35	0.03	0.01	4.35
66.00		94.07	0.37	0.03	0.01	4.01
67.00		93.53	0.38	0.03	0.01	3.64
68.00		92.99	0.39	0.02	0.01	3.24
69.00	Appertunance(s)	102.46	0.40	0.02	0.01	3.11
70.00		91.92	0.41	0.01	0.01	2.35
70.00	Bot - Section 3	0.31	0.41	0.01	0.01	0.01
71.00		165.36	0.42	0.01	0.01	3.35
72.00		164.95	0.44	0.01	0.01	2.43
73.00		163.98	0.45	0.00	0.01	1.46
73.50	Top - Section 2	82.17	0.45	0.00	0.01	0.48
74.00		36.32	0.46	0.00	0.01	0.10
75.00		72.81	0.47	-0.01	0.01	-0.24
76.00		72.38	0.49	-0.01	0.01	-0.69
77.00		71.96	0.50	-0.02	0.01	-1.13
78.00		71.53	0.51	-0.02	0.01	-1.56
79.00		71.10	0.52	-0.03	0.01	-1.97
80.00		70.67	0.54	-0.03	0.01	-2.36
81.00		70.24	0.55	-0.03	0.01	-2.72
82.00		69.81	0.56	-0.04	0.01	-3.06
83.00		69.38	0.58	-0.05	0.01	-3.36
84.00		68.95	0.59	-0.05	0.01	-3.63
85.00		68.52	0.61	-0.06	0.02	-3.87
86.00		68.09	0.62	-0.06	0.02	-4.08
87.00		67.66	0.64	-0.07	0.02	-4.26
88.00		67.23	0.65	-0.07	0.02	-4.41
89.00		66.80	0.67	-0.08	0.02	-4.54
90.00		66.38	0.68	-0.08	0.03	-4.63
91.00		65.95	0.70	-0.09	0.03	-4.70
92.00		65.52	0.71	-0.09	0.03	-4.74
93.00	Appertunance(s)	109.09	0.73	-0.09	0.04	-7.99
94.00		64.66	0.74	-0.10	0.04	-4.77
95.00		64.23	0.76	-0.10	0.04	-4.75
96.00		63.80	0.77	-0.11	0.05	-4.70
97.00		63.37	0.79	-0.11	0.05	-4.65
98.00		62.94	0.81	-0.11	0.06	-4.57
99.00		62.51	0.82	-0.12	0.06	-4.48
100.0		62.08	0.84	-0.12	0.07	-4.37
101.0		61.65	0.86	-0.12	0.07	-4.24
102.0		61.22	0.87	-0.12	0.08	-4.10
103.0	Appertunance(s)	104.80	0.89	-0.12	0.08	-6.81

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 95



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0E	Dead Load with Seismic	0 Iterations
Gust Response Factor : 1.10	Sds : 0.26	Ss : 0.24
Dead Load Factor : 1.20	Sd1 : 0.10	S1 : 0.06
Wind Load Factor : 0.00	Structure Frequency : 0.2390	SA : 0.02
	Seismic Load Factor : 1.00	Seismic Importance Factor : 1.00

104.0	60.37	0.91	-0.12	0.09	-3.78	
105.0	59.94	0.93	-0.12	0.10	-3.60	
106.0	59.51	0.94	-0.12	0.11	-3.41	
107.0	59.08	0.96	-0.12	0.11	-3.20	
108.0	58.65	0.98	-0.11	0.12	-2.99	
109.0	58.22	1.00	-0.11	0.13	-2.76	
110.0	57.79	1.02	-0.11	0.14	-2.52	
110.0	Top - Section 3	0.19	1.02	-0.11	0.14	-0.01
111.0		43.12	1.03	-0.10	0.15	-1.70
112.0		42.94	1.05	-0.09	0.16	-1.51
113.0	Appertunance(s)	2796.52	1.07	-0.08	0.17	-85.81
114.0		42.30	1.09	-0.07	0.18	-1.10
115.0		41.97	1.11	-0.06	0.19	-0.88
116.0		41.65	1.13	-0.05	0.21	-0.65
117.0		41.33	1.15	-0.04	0.22	-0.42
118.0		41.00	1.17	-0.02	0.23	-0.18
119.0	Reinf. Top	40.68	1.19	0.00	0.25	0.07
120.0		40.36	1.21	0.01	0.26	0.32
121.0		40.04	1.23	0.03	0.28	0.58
122.0		39.71	1.25	0.06	0.29	0.85
123.0		39.39	1.27	0.08	0.31	1.12
124.0		39.07	1.29	0.11	0.33	1.39
125.0		38.74	1.31	0.14	0.35	1.67
126.0		38.42	1.33	0.17	0.37	1.96
127.0		38.10	1.35	0.20	0.39	2.25
128.0		37.78	1.38	0.24	0.41	2.55
129.0		37.45	1.40	0.28	0.43	2.85
130.0	Appertunance(s)	686.03	1.42	0.32	0.45	58.31
131.0		36.81	1.44	0.37	0.48	3.47
132.0		36.48	1.46	0.42	0.50	3.78
133.0		36.16	1.49	0.47	0.53	4.10
134.0		35.84	1.51	0.52	0.55	4.42
135.0		35.52	1.53	0.58	0.58	4.74
136.0		35.19	1.55	0.64	0.61	5.07
137.0		34.87	1.58	0.71	0.64	5.40
138.0		34.55	1.60	0.78	0.67	5.73
139.0		34.23	1.62	0.85	0.70	6.07
140.0	Appertunance(s)	422.90	1.65	0.93	0.73	79.94
141.0		33.58	1.67	1.01	0.77	6.75
142.0		33.26	1.69	1.10	0.81	7.09
143.0		32.93	1.72	1.19	0.84	7.44
144.0		32.61	1.74	1.29	0.88	7.78
145.0		32.29	1.77	1.39	0.92	8.13
146.0		31.97	1.79	1.50	0.96	8.48
147.0		31.64	1.82	1.61	1.00	8.82
148.0		31.32	1.84	1.73	1.05	9.17
149.0		31.00	1.86	1.85	1.09	9.52
150.0	Appertunance(s)	3266.37	1.89	1.98	1.14	1051.21

Totals: 20,508.69 1,565.66

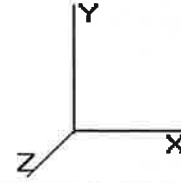
Total Wind : 35,575.2

Seismic Base Shear Is Less Than 50% Of Wind Force - Analysis Not Required

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page: 96



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 0.9D + 1.0E	Dead Load with Seismic (Reduced DL)	0 Iterations
Gust Response Factor : 1.10	Sds : 0.26	Ss : 0.24
Dead Load Factor : 0.90	Seismic Load Factor : 1.00	Sd1 : 0.10
Wind Load Factor : 0.00	Structure Frequency : 0.2390	SA : 0.02
		Seismic Importance Factor : 1.00

**Total Segment Forces (Factored)**

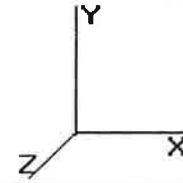
R : 1.50

Seg Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)
0.00		0.00	0.00	0.00	0.00	0.00
1.00		151.73	0.00	0.01	0.00	1.83
2.00	Reinf Bottom Reinf	151.08	0.00	0.01	0.01	3.04
3.00		150.44	0.00	0.02	0.01	3.93
4.00		149.79	0.00	0.03	0.01	4.63
5.00		149.15	0.00	0.03	0.02	5.18
6.00		148.51	0.00	0.04	0.02	5.62
7.00		147.86	0.00	0.04	0.02	5.98
8.00		147.22	0.01	0.05	0.03	6.28
9.00		146.58	0.01	0.05	0.03	6.53
10.00		145.93	0.01	0.05	0.03	6.74
11.00		145.29	0.01	0.06	0.03	6.91
12.00		144.64	0.01	0.06	0.03	7.05
13.00		144.00	0.01	0.06	0.03	7.16
14.00		143.36	0.02	0.06	0.04	7.25
15.00		142.71	0.02	0.06	0.04	7.33
16.00		142.07	0.02	0.06	0.04	7.38
17.00		141.42	0.02	0.07	0.04	7.43
18.00	Reinf. Top Reinf. Top	140.78	0.03	0.07	0.04	7.47
19.00		140.14	0.03	0.07	0.04	7.49
20.00		139.49	0.03	0.07	0.04	7.51
21.00		138.85	0.04	0.07	0.04	7.53
22.00		138.21	0.04	0.07	0.04	7.54
23.00		137.56	0.04	0.07	0.04	7.54
24.00		136.92	0.05	0.07	0.04	7.55
25.00		136.27	0.05	0.07	0.04	7.55
26.00		135.63	0.06	0.07	0.04	7.55
27.00		134.99	0.06	0.07	0.04	7.55
28.00		134.34	0.07	0.07	0.04	7.55
29.00		133.70	0.07	0.07	0.04	7.55
30.00		133.05	0.08	0.07	0.04	7.55
31.00		132.41	0.08	0.07	0.04	7.55
31.50	Bot - Section 2	66.40	0.08	0.07	0.04	3.80
32.00		121.09	0.09	0.07	0.04	6.94
33.00		242.93	0.09	0.07	0.04	14.01
34.00		241.74	0.10	0.07	0.04	14.02
35.00		240.56	0.10	0.07	0.04	14.03
35.67	Top - Section 1	160.52	0.11	0.07	0.04	9.40
36.00		36.30	0.11	0.07	0.04	2.13
37.00		109.65	0.11	0.07	0.04	6.47
38.00		109.12	0.12	0.07	0.03	6.48
39.00		108.58	0.13	0.07	0.03	6.49
40.00		108.04	0.13	0.07	0.03	6.49
41.00		107.50	0.14	0.07	0.03	6.50
42.00		106.97	0.15	0.07	0.03	6.51
43.00		106.43	0.16	0.07	0.03	6.51
44.00		105.89	0.16	0.07	0.03	6.51
45.00		105.35	0.17	0.07	0.03	6.51
46.00		104.82	0.18	0.07	0.03	6.51
47.00		104.28	0.19	0.06	0.03	6.50
48.00		103.74	0.19	0.06	0.02	6.49

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:11 PM  
 Page : 97



© 2007 - 2015 by ATC IP LLC. All rights reserved.

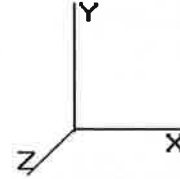
<b>Load Case:</b> 0.9D + 1.0E	Dead Load with Seismic (Reduced DL)	0 Iterations
Gust Response Factor : 1.10	Sds : 0.26	Ss : 0.24
Dead Load Factor : 0.90	Seismic Load Factor : 1.00	Sd1 : 0.10
Wind Load Factor : 0.00	Structure Frequency : 0.2390	SA : 0.02
		Seismic Importance Factor : 1.00

49.00		103.20	0.20	0.06	0.02	6.47
50.00		102.67	0.21	0.06	0.02	6.45
51.00		102.13	0.22	0.06	0.02	6.42
52.00		101.59	0.23	0.06	0.02	6.38
53.00		101.06	0.24	0.06	0.02	6.33
54.00		100.52	0.24	0.06	0.02	6.27
55.00		99.98	0.25	0.05	0.02	6.19
56.00		99.44	0.26	0.05	0.02	6.10
57.00		98.91	0.27	0.05	0.01	6.00
58.00		98.37	0.28	0.05	0.01	5.87
59.00	Reinf. Top	97.83	0.29	0.05	0.01	5.73
60.00		97.29	0.30	0.04	0.01	5.57
61.00		96.76	0.31	0.04	0.01	5.38
62.00		96.22	0.32	0.04	0.01	5.16
63.00		95.68	0.33	0.04	0.01	4.92
64.00		95.14	0.34	0.03	0.01	4.65
65.00		94.61	0.35	0.03	0.01	4.35
66.00		94.07	0.37	0.03	0.01	4.01
67.00		93.53	0.38	0.03	0.01	3.64
68.00		92.99	0.39	0.02	0.01	3.24
69.00	Appertunance(s)	102.46	0.40	0.02	0.01	3.11
70.00		91.92	0.41	0.01	0.01	2.35
70.00	Bot - Section 3	0.31	0.41	0.01	0.01	0.01
71.00		165.36	0.42	0.01	0.01	3.35
72.00		164.95	0.44	0.01	0.01	2.43
73.00		163.98	0.45	0.00	0.01	1.46
73.50	Top - Section 2	82.17	0.45	0.00	0.01	0.48
74.00		36.32	0.46	0.00	0.01	0.10
75.00		72.81	0.47	-0.01	0.01	-0.24
76.00		72.38	0.49	-0.01	0.01	-0.69
77.00		71.96	0.50	-0.02	0.01	-1.13
78.00		71.53	0.51	-0.02	0.01	-1.56
79.00		71.10	0.52	-0.03	0.01	-1.97
80.00		70.67	0.54	-0.03	0.01	-2.36
81.00		70.24	0.55	-0.03	0.01	-2.72
82.00		69.81	0.56	-0.04	0.01	-3.06
83.00		69.38	0.58	-0.05	0.01	-3.36
84.00		68.95	0.59	-0.05	0.01	-3.63
85.00		68.52	0.61	-0.06	0.02	-3.87
86.00		68.09	0.62	-0.06	0.02	-4.08
87.00		67.66	0.64	-0.07	0.02	-4.26
88.00		67.23	0.65	-0.07	0.02	-4.41
89.00		66.80	0.67	-0.08	0.02	-4.54
90.00		66.38	0.68	-0.08	0.03	-4.63
91.00		65.95	0.70	-0.09	0.03	-4.70
92.00		65.52	0.71	-0.09	0.03	-4.74
93.00	Appertunance(s)	109.09	0.73	-0.09	0.04	-7.99
94.00		64.66	0.74	-0.10	0.04	-4.77
95.00		64.23	0.76	-0.10	0.04	-4.75
96.00		63.80	0.77	-0.11	0.05	-4.70
97.00		63.37	0.79	-0.11	0.05	-4.65
98.00		62.94	0.81	-0.11	0.06	-4.57
99.00		62.51	0.82	-0.12	0.06	-4.48
100.0		62.08	0.84	-0.12	0.07	-4.37
101.0		61.65	0.86	-0.12	0.07	-4.24
102.0		61.22	0.87	-0.12	0.08	-4.10
103.0	Appertunance(s)	104.80	0.89	-0.12	0.08	-6.81

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 98



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 0.9D + 1.0E	Dead Load with Seismic (Reduced DL)	0 Iterations
Gust Response Factor : 1.10	Sds : 0.26	Ss : 0.24
Dead Load Factor : 0.90	Seismic Load Factor : 1.00	S1 : 0.06
Wind Load Factor : 0.00	Structure Frequency : 0.2390	SA : 0.02
		Seismic Importance Factor : 1.00

104.0	60.37	0.91	-0.12	0.09	-3.78	
105.0	59.94	0.93	-0.12	0.10	-3.60	
106.0	59.51	0.94	-0.12	0.11	-3.41	
107.0	59.08	0.96	-0.12	0.11	-3.20	
108.0	58.65	0.98	-0.11	0.12	-2.99	
109.0	58.22	1.00	-0.11	0.13	-2.76	
110.0	57.79	1.02	-0.11	0.14	-2.52	
110.0	Top - Section 3	0.19	1.02	-0.11	0.14	-0.01
111.0		43.12	1.03	-0.10	0.15	-1.70
112.0		42.94	1.05	-0.09	0.16	-1.51
113.0	Appertunance(s)	2796.52	1.07	-0.08	0.17	-85.81
114.0		42.30	1.09	-0.07	0.18	-1.10
115.0		41.97	1.11	-0.06	0.19	-0.88
116.0		41.65	1.13	-0.05	0.21	-0.65
117.0		41.33	1.15	-0.04	0.22	-0.42
118.0		41.00	1.17	-0.02	0.23	-0.18
119.0	Reinf. Top	40.68	1.19	0.00	0.25	0.07
120.0		40.36	1.21	0.01	0.26	0.32
121.0		40.04	1.23	0.03	0.28	0.58
122.0		39.71	1.25	0.06	0.29	0.85
123.0		39.39	1.27	0.08	0.31	1.12
124.0		39.07	1.29	0.11	0.33	1.39
125.0		38.74	1.31	0.14	0.35	1.67
126.0		38.42	1.33	0.17	0.37	1.96
127.0		38.10	1.35	0.20	0.39	2.25
128.0		37.78	1.38	0.24	0.41	2.55
129.0		37.45	1.40	0.28	0.43	2.85
130.0	Appertunance(s)	686.03	1.42	0.32	0.45	58.31
131.0		36.81	1.44	0.37	0.48	3.47
132.0		36.48	1.46	0.42	0.50	3.78
133.0		36.16	1.49	0.47	0.53	4.10
134.0		35.84	1.51	0.52	0.55	4.42
135.0		35.52	1.53	0.58	0.58	4.74
136.0		35.19	1.55	0.64	0.61	5.07
137.0		34.87	1.58	0.71	0.64	5.40
138.0		34.55	1.60	0.78	0.67	5.73
139.0		34.23	1.62	0.85	0.70	6.07
140.0	Appertunance(s)	422.90	1.65	0.93	0.73	79.94
141.0		33.58	1.67	1.01	0.77	6.75
142.0		33.26	1.69	1.10	0.81	7.09
143.0		32.93	1.72	1.19	0.84	7.44
144.0		32.61	1.74	1.29	0.88	7.78
145.0		32.29	1.77	1.39	0.92	8.13
146.0		31.97	1.79	1.50	0.96	8.48
147.0		31.64	1.82	1.61	1.00	8.82
148.0		31.32	1.84	1.73	1.05	9.17
149.0		31.00	1.86	1.85	1.09	9.52
150.0	Appertunance(s)	3266.37	1.89	1.98	1.14	1051.21

Totals: 20,508.69

1,565.66

Total Wind : 35,575.2

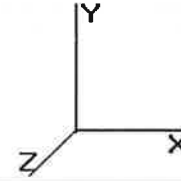
Seismic Base Shear Is Less Than 50% Of Wind Force - Analysis Not Required



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 99



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

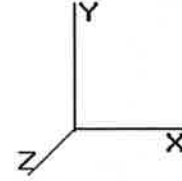
**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.742	161.88	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	6.129	6.742	161.20	1.200	* 0.000	1.00	3.218	3.86	26.0	0.0	260.5
2.00	Reinf Bottom Reinf	1.00	0.70	6.129	6.742	160.53	1.200	* 0.000	1.00	3.205	3.85	25.9	0.0	259.9
3.00		1.00	0.70	6.129	6.742	159.85	1.200	* 0.000	1.00	3.191	3.83	25.8	0.0	320.5
4.00		1.00	0.70	6.129	6.742	159.17	1.200	* 0.000	1.00	3.178	3.81	25.7	0.0	319.8
5.00		1.00	0.70	6.129	6.742	158.49	1.200	* 0.000	1.00	3.164	3.80	25.6	0.0	319.2
6.00		1.00	0.70	6.129	6.742	157.81	1.200	* 0.000	1.00	3.151	3.78	25.5	0.0	318.5
7.00		1.00	0.70	6.129	6.742	157.13	1.200	* 0.000	1.00	3.137	3.76	25.4	0.0	317.9
8.00		1.00	0.70	6.129	6.742	156.45	1.200	* 0.000	1.00	3.123	3.75	25.3	0.0	317.3
9.00		1.00	0.70	6.129	6.742	155.78	1.200	* 0.000	1.00	3.110	3.73	25.2	0.0	316.6
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	316.0
11.00		1.00	0.70	6.129	6.742	154.42	1.200	* 0.000	1.00	3.083	3.70	24.9	0.0	315.3
12.00		1.00	0.70	6.129	6.742	153.74	1.200	* 0.000	1.00	3.069	3.68	24.8	0.0	314.7
13.00		1.00	0.70	6.129	6.742	153.06	1.200	* 0.000	1.00	3.056	3.67	24.7	0.0	314.0
14.00		1.00	0.70	6.129	6.742	152.38	1.200	* 0.000	1.00	3.042	3.65	24.6	0.0	313.4
15.00		1.00	0.70	6.129	6.742	151.70	1.200	* 0.000	1.00	3.029	3.63	24.5	0.0	312.8
16.00		1.00	0.70	6.129	6.742	151.03	1.200	* 0.000	1.00	3.015	3.62	24.4	0.0	312.1
17.00		1.00	0.70	6.129	6.742	150.35	1.200	* 0.000	1.00	3.002	3.60	24.3	0.0	311.5
18.00	Reinf. Top Reinf. Top	1.00	0.70	6.129	6.742	149.67	1.200	* 0.000	1.00	2.988	3.59	24.2	0.0	310.8
19.00		1.00	0.70	6.129	6.742	148.99	1.200	* 0.000	1.00	2.975	3.57	24.1	0.0	248.9
20.00		1.00	0.70	6.129	6.742	148.31	1.200	* 0.000	1.00	2.961	3.55	24.0	0.0	248.3
21.00		1.00	0.70	6.129	6.742	147.63	1.200	* 0.000	1.00	2.948	3.54	23.8	0.0	247.6
22.00		1.00	0.70	6.129	6.742	146.95	1.200	* 0.000	1.00	2.934	3.52	23.7	0.0	247.0
23.00		1.00	0.70	6.129	6.742	146.27	1.200	* 0.000	1.00	2.921	3.50	23.6	0.0	246.4
24.00		1.00	0.70	6.129	6.742	145.60	1.200	* 0.000	1.00	2.907	3.49	23.5	0.0	245.7
25.00		1.00	0.70	6.129	6.742	144.92	1.200	* 0.000	1.00	2.894	3.47	23.4	0.0	245.1
26.00		1.00	0.70	6.129	6.742	144.24	1.200	* 0.000	1.00	2.880	3.46	23.3	0.0	244.4
27.00		1.00	0.70	6.129	6.742	143.56	1.200	* 0.000	1.00	2.867	3.44	23.2	0.0	243.8
28.00		1.00	0.70	6.129	6.742	142.88	1.200	* 0.000	1.00	2.853	3.42	23.1	0.0	243.1
29.00		1.00	0.70	6.129	6.742	142.20	1.200	* 0.000	1.00	2.840	3.41	23.0	0.0	242.5
30.00		1.00	0.70	6.134	6.747	141.58	1.200	* 0.000	1.00	2.826	3.39	22.9	0.0	241.9
31.00		1.00	0.70	6.192	6.811	141.57	1.200	* 0.000	1.00	2.813	3.38	23.0	0.0	241.2
31.50	Bot - Section 2	1.00	0.71	6.220	6.842	141.55	1.200	* 0.000	0.50	1.411	1.69	11.6	0.0	121.2
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	175.1
33.00		1.00	0.72	6.303	6.933	141.46	1.200	* 0.000	1.00	2.840	3.41	23.6	0.0	351.7
34.00		1.00	0.72	6.357	6.993	141.37	1.200	* 0.000	1.00	2.826	3.39	23.7	0.0	350.5
35.00		1.00	0.73	6.410	7.051	141.27	1.200	* 0.000	1.00	2.812	3.37	23.8	0.0	349.4
35.67	Top - Section 1	1.00	0.73	6.445	7.089	141.18	1.200	* 0.000	0.67	1.877	2.25	16.0	0.0	233.4
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	72.2
37.00		1.00	0.74	6.513	7.164	143.79	1.200	* 0.000	1.00	2.785	3.34	23.9	0.0	218.5
38.00		1.00	0.75	6.562	7.219	143.63	1.200	* 0.000	1.00	2.772	3.33	24.0	0.0	217.9
39.00		1.00	0.75	6.611	7.272	143.46	1.200	* 0.000	1.00	2.758	3.31	24.1	0.0	217.4
40.00		1.00	0.76	6.659	7.325	143.28	1.200	* 0.000	1.00	2.745	3.29	24.1	0.0	216.8
41.00		1.00	0.76	6.706	7.377	143.07	1.200	* 0.000	1.00	2.731	3.28	24.2	0.0	216.3
42.00		1.00	0.77	6.753	7.428	142.85	1.200	* 0.000	1.00	2.718	3.26	24.2	0.0	215.8
43.00		1.00	0.77	6.798	7.478	142.62	1.200	* 0.000	1.00	2.704	3.25	24.3	0.0	215.2
44.00		1.00	0.78	6.843	7.527	142.37	1.200	* 0.000	1.00	2.691	3.23	24.3	0.0	214.7
45.00		1.00	0.78	6.887	7.576	142.11	1.200	* 0.000	1.00	2.677	3.21	24.3	0.0	214.2
46.00		1.00	0.79	6.931	7.624	141.84	1.200	* 0.000	1.00	2.664	3.20	24.4	0.0	213.6
47.00		1.00	0.79	6.973	7.671	141.55	1.200	* 0.000	1.00	2.650	3.18	24.4	0.0	213.1
48.00		1.00	0.80	7.015	7.717	141.25	1.200	* 0.000	1.00	2.637	3.16	24.4	0.0	212.5

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 100



© 2007 - 2015 by ATC IP LLC. All rights reserved.

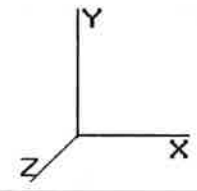
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

49.00		1.00	0.80	7.057	7.763	140.94	1.200	* 0.000	1.00	2.623	3.15	24.4	0.0	212.0
50.00		1.00	0.81	7.098	7.807	140.61	1.200	* 0.000	1.00	2.610	3.13	24.5	0.0	211.5
51.00		1.00	0.81	7.138	7.852	140.28	1.200	* 0.000	1.00	2.596	3.12	24.5	0.0	210.9
52.00		1.00	0.82	7.178	7.895	139.93	1.200	* 0.000	1.00	2.583	3.10	24.5	0.0	210.4
53.00		1.00	0.82	7.217	7.939	139.58	1.200	* 0.000	1.00	2.569	3.08	24.5	0.0	209.9
54.00		1.00	0.82	7.255	7.981	139.21	1.200	* 0.000	1.00	2.556	3.07	24.5	0.0	209.3
55.00		1.00	0.83	7.294	8.023	138.84	1.200	* 0.000	1.00	2.542	3.05	24.5	0.0	208.8
56.00		1.00	0.83	7.331	8.064	138.46	1.200	* 0.000	1.00	2.529	3.03	24.5	0.0	208.2
57.00		1.00	0.84	7.368	8.105	138.06	1.200	* 0.000	1.00	2.515	3.02	24.5	0.0	207.7
58.00		1.00	0.84	7.405	8.146	137.66	1.200	* 0.000	1.00	2.502	3.00	24.5	0.0	207.2
59.00	Reinf. Top	1.00	0.85	7.441	8.186	137.25	1.200	* 0.000	1.00	2.488	2.99	24.4	0.0	206.6
60.00		1.00	0.85	7.477	8.225	136.83	1.200	* 0.000	1.00	2.475	2.97	24.4	0.0	151.7
61.00		1.00	0.85	7.513	8.264	136.40	1.200	* 0.000	1.00	2.461	2.95	24.4	0.0	151.2
62.00		1.00	0.86	7.548	8.302	135.96	1.200	* 0.000	1.00	2.447	2.94	24.4	0.0	150.6
63.00		1.00	0.86	7.582	8.340	135.52	1.200	* 0.000	1.00	2.434	2.92	24.4	0.0	150.1
64.00		1.00	0.87	7.616	8.378	135.07	1.200	* 0.000	1.00	2.420	2.90	24.3	0.0	149.5
65.00		1.00	0.87	7.650	8.415	134.61	1.200	* 0.000	1.00	2.407	2.89	24.3	0.0	149.0
66.00		1.00	0.87	7.684	8.452	134.14	1.200	* 0.000	1.00	2.393	2.87	24.3	0.0	148.5
67.00		1.00	0.88	7.717	8.488	133.67	1.200	* 0.000	1.00	2.380	2.86	24.2	0.0	147.9
68.00		1.00	0.88	7.749	8.524	133.19	1.200	* 0.000	1.00	2.366	2.84	24.2	0.0	147.4
69.00	Appertunance(s)	1.00	0.88	7.782	8.560	132.71	1.200	* 0.000	1.00	2.353	2.82	24.2	0.0	146.9
70.00		1.00	0.89	7.814	8.595	132.21	1.200	* 0.000	1.00	2.339	2.81	24.1	0.0	146.3
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	0.5
71.00		1.00	0.89	7.846	8.630	131.71	1.200	* 0.000	1.00	2.361	2.83	24.5	0.0	219.6
72.00		1.00	0.90	7.877	8.665	131.21	1.200	* 0.000	1.00	2.355	2.83	24.5	0.0	219.3
73.00		1.00	0.90	7.908	8.699	130.69	1.200	* 0.000	1.00	2.342	2.81	24.4	0.0	218.4
73.50	Top - Section 2	1.00	0.90	7.924	8.716	130.43	1.200	* 0.000	0.50	1.174	1.41	12.3	0.0	109.6
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	63.3
75.00		1.00	0.91	7.969	8.766	132.12	1.200	* 0.000	1.00	2.315	2.78	24.4	0.0	127.2
76.00		1.00	0.91	8.000	8.800	131.60	1.200	* 0.000	1.00	2.301	2.76	24.3	0.0	126.8
77.00		1.00	0.91	8.030	8.833	131.07	1.200	* 0.000	1.00	2.288	2.75	24.2	0.0	126.4
78.00		1.00	0.92	8.059	8.865	130.53	1.200	* 0.000	1.00	2.274	2.73	24.2	0.0	125.9
79.00		1.00	0.92	8.089	8.897	129.99	1.200	* 0.000	1.00	2.261	2.71	24.1	0.0	125.5
80.00		1.00	0.92	8.118	8.930	129.44	1.200	* 0.000	1.00	2.247	2.70	24.1	0.0	125.1
81.00		1.00	0.93	8.147	8.961	128.89	1.200	* 0.000	1.00	2.234	2.68	24.0	0.0	124.6
82.00		1.00	0.93	8.175	8.993	128.33	1.200	* 0.000	1.00	2.220	2.66	24.0	0.0	124.2
83.00		1.00	0.93	8.204	9.024	127.77	1.200	* 0.000	1.00	2.207	2.65	23.9	0.0	123.8
84.00		1.00	0.94	8.232	9.055	127.20	1.200	* 0.000	1.00	2.193	2.63	23.8	0.0	123.4
85.00		1.00	0.94	8.260	9.086	126.63	1.200	* 0.000	1.00	2.180	2.62	23.8	0.0	122.9
86.00		1.00	0.94	8.287	9.116	126.05	1.200	* 0.000	1.00	2.166	2.60	23.7	0.0	122.5
87.00		1.00	0.95	8.315	9.146	125.47	1.200	* 0.000	1.00	2.153	2.58	23.6	0.0	122.1
88.00		1.00	0.95	8.342	9.176	124.88	1.200	* 0.000	1.00	2.139	2.57	23.6	0.0	121.6
89.00		1.00	0.95	8.369	9.206	124.29	1.200	* 0.000	1.00	2.126	2.55	23.5	0.0	121.2
90.00		1.00	0.95	8.396	9.235	123.69	1.200	* 0.000	1.00	2.112	2.53	23.4	0.0	120.8
91.00		1.00	0.96	8.422	9.264	123.09	1.200	* 0.000	1.00	2.099	2.52	23.3	0.0	120.3
92.00		1.00	0.96	8.448	9.293	122.49	1.200	* 0.000	1.00	2.085	2.50	23.3	0.0	119.9
93.00	Appertunance(s)	1.00	0.96	8.475	9.322	121.88	1.200	* 0.000	1.00	2.072	2.49	23.2	0.0	119.5
94.00		1.00	0.97	8.501	9.351	121.27	1.200	* 0.000	1.00	2.058	2.47	23.1	0.0	119.1
95.00		1.00	0.97	8.526	9.379	120.65	1.200	* 0.000	1.00	2.044	2.45	23.0	0.0	118.6
96.00		1.00	0.97	8.552	9.407	120.03	1.200	* 0.000	1.00	2.031	2.44	22.9	0.0	118.2
97.00		1.00	0.98	8.577	9.435	119.40	1.200	* 0.000	1.00	2.017	2.42	22.8	0.0	117.8
98.00		1.00	0.98	8.602	9.463	118.78	1.200	* 0.000	1.00	2.004	2.40	22.8	0.0	117.3
99.00		1.00	0.98	8.627	9.490	118.14	1.200	* 0.000	1.00	1.990	2.39	22.7	0.0	116.9
100.0		1.00	0.98	8.652	9.517	117.51	1.200	* 0.000	1.00	1.977	2.37	22.6	0.0	116.5
101.0		1.00	0.99	8.677	9.544	116.87	1.200	* 0.000	1.00	1.963	2.36	22.5	0.0	116.1
102.0		1.00	0.99	8.701	9.571	116.22	1.200	* 0.000	1.00	1.950	2.34	22.4	0.0	115.6
103.0	Appertunance(s)	1.00	0.99	8.726	9.598	115.57	1.200	* 0.000	1.00	1.936	2.32	22.3	0.0	115.2

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 101



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 1.0D + 1.0W**      60.00 mph Serviceability      30 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.00  
 Wind Load Factor : 1.00

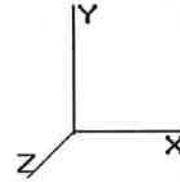
104.0		1.00	0.99	8.750	9.625	114.92	1.200	* 0.000	1.00	1.923	2.31	22.2	0.0	114.8
105.0		1.00	1.00	8.774	9.651	114.27	1.200	* 0.000	1.00	1.909	2.29	22.1	0.0	114.3
106.0		1.00	1.00	8.797	9.677	113.61	1.200	* 0.000	1.00	1.896	2.27	22.0	0.0	113.9
107.0		1.00	1.00	8.821	9.703	112.95	1.200	* 0.000	1.00	1.882	2.26	21.9	0.0	113.5
108.0		1.00	1.01	8.845	9.729	112.28	1.200	* 0.000	1.00	1.869	2.24	21.8	0.0	113.0
109.0		1.00	1.01	8.868	9.755	111.61	1.200	* 0.000	1.00	1.855	2.23	21.7	0.0	112.6
110.0		1.00	1.01	8.891	9.780	110.94	1.200	* 0.000	1.00	1.842	2.21	21.6	0.0	112.2
110.0	Top - Section 3	1.00	1.01	8.891	9.780	110.94	1.200	* 0.000	0.00	0.006	0.01	0.1	0.0	0.4
111.0		1.00	1.01	8.914	9.805	110.27	1.200	* 0.000	1.00	1.822	2.19	21.4	0.0	97.3
112.0		1.00	1.02	8.937	9.831	109.59	1.200	* 0.000	1.00	1.815	2.18	21.4	0.0	97.3
113.0	Appertunance(s)	1.00	1.02	8.960	9.856	108.91	1.200	* 0.000	1.00	1.801	2.16	21.3	0.0	97.0
114.0		1.00	1.02	8.982	9.880	108.22	1.200	* 0.000	1.00	1.788	2.15	21.2	0.0	96.7
115.0		1.00	1.02	9.005	9.905	107.54	1.200	* 0.000	1.00	1.774	2.13	21.1	0.0	96.4
116.0		1.00	1.03	9.027	9.930	106.85	1.200	* 0.000	1.00	1.761	2.11	21.0	0.0	96.0
117.0		1.00	1.03	9.049	9.954	106.15	1.200	* 0.000	1.00	1.747	2.10	20.9	0.0	95.7
118.0		1.00	1.03	9.071	9.978	105.46	1.200	* 0.000	1.00	1.734	2.08	20.8	0.0	95.4
119.0	Reinf. Top	1.00	1.03	9.093	10.00	104.76	1.200	* 0.000	1.00	1.720	2.06	20.6	0.0	95.1
120.0		1.00	1.04	9.115	10.02	104.05	1.200	* 0.000	1.00	1.707	2.05	20.5	0.0	40.4
121.0		1.00	1.04	9.136	10.05	103.35	1.200	* 0.000	1.00	1.693	2.03	20.4	0.0	40.0
122.0		1.00	1.04	9.158	10.07	102.64	1.200	* 0.000	1.00	1.679	2.02	20.3	0.0	39.7
123.0		1.00	1.04	9.179	10.09	101.93	1.200	* 0.000	1.00	1.666	2.00	20.2	0.0	39.4
124.0		1.00	1.05	9.201	10.12	101.22	1.200	* 0.000	1.00	1.652	1.98	20.1	0.0	39.1
125.0		1.00	1.05	9.222	10.14	100.50	1.200	* 0.000	1.00	1.639	1.97	20.0	0.0	38.7
126.0		1.00	1.05	9.243	10.16	99.786	1.200	* 0.000	1.00	1.625	1.95	19.8	0.0	38.4
127.0		1.00	1.05	9.264	10.19	99.064	1.200	* 0.000	1.00	1.612	1.93	19.7	0.0	38.1
128.0		1.00	1.06	9.284	10.21	98.340	1.200	* 0.000	1.00	1.598	1.92	19.6	0.0	37.8
129.0		1.00	1.06	9.305	10.23	97.613	1.200	* 0.000	1.00	1.585	1.90	19.5	0.0	37.5
130.0	Appertunance(s)	1.00	1.06	9.326	10.25	96.884	1.200	* 0.000	1.00	1.571	1.89	19.3	0.0	37.1
131.0		1.00	1.06	9.346	10.28	96.152	1.200	* 0.000	1.00	1.558	1.87	19.2	0.0	36.8
132.0		1.00	1.07	9.366	10.30	95.417	1.200	* 0.000	1.00	1.544	1.85	19.1	0.0	36.5
133.0		1.00	1.07	9.387	10.32	94.680	1.200	* 0.000	1.00	1.531	1.84	19.0	0.0	36.2
134.0		1.00	1.07	9.407	10.34	93.941	1.200	* 0.000	1.00	1.517	1.82	18.8	0.0	35.8
135.0		1.00	1.07	9.427	10.36	93.199	1.200	* 0.000	1.00	1.504	1.80	18.7	0.0	35.5
136.0		1.00	1.07	9.447	10.39	92.455	1.200	* 0.000	1.00	1.490	1.79	18.6	0.0	35.2
137.0		1.00	1.08	9.466	10.41	91.708	1.200	* 0.000	1.00	1.477	1.77	18.5	0.0	34.9
138.0		1.00	1.08	9.486	10.43	90.959	1.200	* 0.000	1.00	1.463	1.76	18.3	0.0	34.5
139.0		1.00	1.08	9.506	10.45	90.208	1.200	* 0.000	1.00	1.450	1.74	18.2	0.0	34.2
140.0	Appertunance(s)	1.00	1.08	9.525	10.47	89.454	1.200	* 0.000	1.00	1.436	1.72	18.1	0.0	33.9
141.0		1.00	1.09	9.545	10.49	88.698	1.000	0.000	1.00	1.423	1.42	14.9	0.0	33.6
142.0		1.00	1.09	9.564	10.52	87.940	1.000	0.000	1.00	1.409	1.41	14.8	0.0	33.3
143.0		1.00	1.09	9.583	10.54	87.180	1.000	0.000	1.00	1.396	1.40	14.7	0.0	32.9
144.0		1.00	1.09	9.602	10.56	86.417	1.000	0.000	1.00	1.382	1.38	14.6	0.0	32.6
145.0		1.00	1.09	9.621	10.58	85.652	1.000	0.000	1.00	1.369	1.37	14.5	0.0	32.3
146.0		1.00	1.10	9.640	10.60	84.885	1.000	0.000	1.00	1.355	1.36	14.4	0.0	32.0
147.0		1.00	1.10	9.659	10.62	84.116	1.000	0.000	1.00	1.341	1.34	14.3	0.0	31.6
148.0		1.00	1.10	9.678	10.64	83.345	1.000	0.000	1.00	1.328	1.33	14.1	0.0	31.3
149.0		1.00	1.10	9.696	10.66	82.571	1.000	0.000	1.00	1.314	1.31	14.0	0.0	31.0
150.0	Appertunance(s)	1.00	1.11	9.715	10.68	81.796	1.000	0.000	1.00	1.301	1.30	13.9	0.0	30.7

\* = Cf Adjusted By Linear Load Ra Effect      Totals:      450.00      74,522.4      0.0      73,477.1

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 102



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

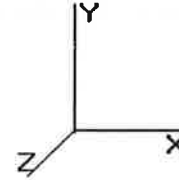
**Discrete Appurtenance Segment Forces (Factored)**

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)
69.00	Channel Master Type	1	7.814	8.595	1.00	1.00	20.19	0.000	1.000	173.54	0.00	173.54	126.00
93.00	Decibel DB408	1	8.475	9.322	1.00	1.00	2.90	0.000	0.000	27.03	0.00	0.00	17.00
93.00	Standoff	1	8.475	9.322	1.00	1.00	2.50	0.000	0.000	23.31	0.00	0.00	200.00
103.0	Decibel DB408	2	8.726	9.598	1.00	1.00	5.80	0.000	0.000	55.67	0.00	0.00	34.00
103.0	Standoff	1	8.726	9.598	1.00	1.00	2.50	0.000	0.000	24.00	0.00	0.00	200.00
113.0	Antel BXA-171063-8CF	2	8.960	9.856	0.71	0.80	3.32	0.000	0.000	32.69	0.00	0.00	18.40
113.0	Commscope SBNHH-	3	8.960	9.856	0.69	0.80	13.53	0.000	0.000	133.34	0.00	0.00	152.10
113.0	RFS APL868013-42T0	4	8.960	9.856	0.90	0.80	10.40	0.000	0.000	102.47	0.00	0.00	25.20
113.0	RFS APL868013-42T0	2	8.960	9.856	0.90	0.80	5.20	0.000	0.000	51.23	0.00	0.00	12.60
113.0	RFS FD9R6004/2C-3L	6	8.960	9.856	0.37	0.80	0.66	0.000	0.000	6.48	0.00	0.00	15.60
113.0	Round T-Arm	3	8.960	9.856	0.67	0.75	14.62	0.000	0.000	144.11	0.00	0.00	750.00
113.0	Alcatel-Lucent RRH2x	3	8.960	9.856	0.67	0.80	3.02	0.000	0.000	29.79	0.00	0.00	132.00
113.0	Antel BXA-171085-8CF	1	8.960	9.856	0.71	0.80	1.67	0.000	0.000	16.46	0.00	0.00	10.50
113.0	RFS DB-T1-6Z-8AB-0Z	1	8.960	9.856	1.00	0.80	3.84	0.000	0.000	37.85	0.00	0.00	44.00
130.0	12" x 12" Junction B	1	9.326	10.258	1.00	0.80	0.96	0.000	0.000	9.85	0.00	0.00	10.00
130.0	Argus LLPX310R	3	9.326	10.258	0.73	0.80	7.52	0.000	0.000	77.10	0.00	0.00	85.80
130.0	Clearwire Mount	1	9.326	10.258	1.00	1.00	8.50	0.000	0.000	87.19	0.00	0.00	560.00
130.0	DragonWave A-ANT-	1	9.326	10.258	1.00	0.80	6.74	0.000	0.000	69.18	0.00	0.00	47.60
130.0	DragonWave A-ANT-	1	9.326	10.258	1.00	0.80	1.29	0.000	0.000	13.21	0.00	0.00	15.00
130.0	DragonWave Horizon	2	9.326	10.258	0.50	0.80	0.34	0.000	0.000	3.53	0.00	0.00	21.20
130.0	NextNet BTS-2500	3	9.326	10.258	0.50	0.80	2.18	0.000	0.000	22.40	0.00	0.00	105.00
140.0	Ericsson AIR 21, 1.3	3	9.525	10.478	0.86	0.80	12.49	0.000	0.000	130.84	0.00	0.00	249.00
140.0	Ericsson AIR 21, 1.3	3	9.525	10.478	0.85	0.80	12.42	0.000	0.000	130.17	0.00	0.00	244.50
140.0	Ericsson KRY 112 144	3	9.525	10.478	0.50	0.80	0.49	0.000	0.000	5.16	0.00	0.00	33.00
140.0	Round T-Arm	3	9.525	10.478	0.67	0.75	14.62	0.000	0.000	153.21	0.00	0.00	750.00
150.0	4' Omni	1	9.878	10.866	1.00	0.75	0.75	0.000	9.000	8.15	0.00	73.34	10.00
150.0	Decibel DB408	2	9.801	10.781	1.00	0.75	4.35	0.000	4.700	46.90	0.00	220.42	34.00
150.0	Diplexer / Coupler	3	9.770	10.747	0.50	0.75	0.79	0.000	3.000	8.46	0.00	25.39	15.00
150.0	Ericsson RRUS 11 (Ba	6	9.770	10.747	0.67	0.75	7.60	0.000	3.000	81.65	0.00	244.96	330.00
150.0	GPS	1	9.715	10.686	1.00	0.75	0.75	0.000	0.000	8.01	0.00	0.00	10.00
150.0	KMW AM-X-CD-16-65-	3	9.770	10.747	0.67	0.75	12.09	0.000	3.000	129.93	0.00	389.80	145.50
150.0	KMW AWS Twin Dual	6	9.770	10.747	0.50	0.75	2.23	0.000	3.000	23.94	0.00	71.82	104.40
150.0	Round Platform w/ Ha	1	9.715	10.686	1.00	1.00	27.20	0.000	0.000	290.67	0.00	0.00	2,000.00
150.0	Powerwave 7770	3	9.770	10.747	0.65	0.75	8.06	0.000	3.000	86.60	0.00	259.81	105.00
150.0	Raycap DC6-48-60-18-	1	9.770	10.747	1.00	0.75	0.96	0.000	3.000	10.32	0.00	30.95	31.80
150.0	Round Side Arm	3	9.715	10.686	0.67	1.00	10.45	0.000	0.000	111.69	0.00	0.00	450.00
										<b>2,366.14</b>			<b>7,094.20</b>

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 103



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.0D + 1.0W      60.00 mph Serviceability      30 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.00  
 Wind Load Factor : 1.00

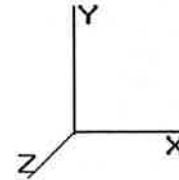
**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
1.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.284	0.000	0.00	1.00
1.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.284	0.000	1.33	4.10
1.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.284	0.000	0.00	0.30
1.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.284	0.000	0.00	7.30
1.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.284	0.000	0.00	0.27
1.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.284	0.000	4.72	0.00
1.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.284	0.000	1.33	9.84
1.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.284	0.000	0.00	0.08
2.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.285	0.000	0.00	1.00
2.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.285	0.000	1.33	4.10
2.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.285	0.000	0.00	0.30
2.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.285	0.000	0.00	7.30
2.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.285	0.000	0.00	0.27
2.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.285	0.000	4.72	0.00
2.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.285	0.000	1.33	9.84
2.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.285	0.000	0.00	0.08
3.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.286	0.000	0.00	1.00
3.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.286	0.000	1.33	4.10
3.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.286	0.000	0.00	0.30
3.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.286	0.000	0.00	7.30
3.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.286	0.000	0.00	0.27
3.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.286	0.000	4.72	0.00
3.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.286	0.000	1.33	9.84
3.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.286	0.000	0.00	0.08
4.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.287	0.000	0.00	1.00
4.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.287	0.000	1.33	4.10
4.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.287	0.000	0.00	0.30
4.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.287	0.000	0.00	7.30
4.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.287	0.000	0.00	0.27
4.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.287	0.000	4.72	0.00
4.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.287	0.000	1.33	9.84
4.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.287	0.000	0.00	0.08
5.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.289	0.000	0.00	1.00
5.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.289	0.000	1.33	4.10
5.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.289	0.000	0.00	0.30
5.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.289	0.000	0.00	7.30
5.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.289	0.000	0.00	0.27
5.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.289	0.000	4.72	0.00
5.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.289	0.000	1.33	9.84
5.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.289	0.000	0.00	0.08
6.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.290	0.000	0.00	1.00
6.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.290	0.000	1.33	4.10
6.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.290	0.000	0.00	0.30
6.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.290	0.000	0.00	7.30
6.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.290	0.000	0.00	0.27
6.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.290	0.000	4.72	0.00
6.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.290	0.000	1.33	9.84
6.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.290	0.000	0.00	0.08
7.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.291	0.000	0.00	1.00
7.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.291	0.000	1.33	4.10
7.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.291	0.000	0.00	0.30

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 104



© 2007 - 2015 by ATC IP LLC. All rights reserved.

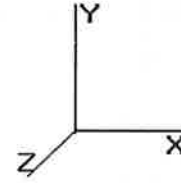
<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>30 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

7.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.291	0.000	0.00	7.30
7.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.291	0.000	0.00	0.27
7.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.291	0.000	4.72	0.00
7.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.291	0.000	1.33	9.84
7.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.291	0.000	0.00	0.08
8.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.292	0.000	0.00	1.00
8.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.292	0.000	1.33	4.10
8.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.292	0.000	0.00	0.30
8.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.292	0.000	0.00	7.30
8.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.292	0.000	0.00	0.27
8.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.292	0.000	4.72	0.00
8.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.292	0.000	1.33	9.84
8.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.292	0.000	0.00	0.08
9.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.294	0.000	0.00	1.00
9.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.294	0.000	1.33	4.10
9.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.294	0.000	0.00	0.30
9.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.294	0.000	0.00	7.30
9.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.294	0.000	0.00	0.27
9.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.294	0.000	4.72	0.00
9.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.294	0.000	1.33	9.84
9.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.294	0.000	0.00	0.08
10.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.295	0.000	0.00	1.00
10.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.295	0.000	1.33	4.10
10.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.295	0.000	0.00	0.30
10.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.295	0.000	0.00	7.30
10.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.295	0.000	0.00	0.27
10.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.295	0.000	4.72	0.00
10.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.295	0.000	1.33	9.84
10.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.295	0.000	0.00	0.08
11.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.296	0.000	0.00	1.00
11.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.296	0.000	1.33	4.10
11.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.296	0.000	0.00	0.30
11.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.296	0.000	0.00	7.30
11.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.296	0.000	0.00	0.27
11.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.296	0.000	4.72	0.00
11.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.296	0.000	1.33	9.84
11.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.296	0.000	0.00	0.08
12.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.298	0.000	0.00	1.00
12.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.298	0.000	1.33	4.10
12.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.298	0.000	0.00	0.30
12.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.298	0.000	0.00	7.30
12.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.298	0.000	0.00	0.27
12.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.298	0.000	4.72	0.00
12.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.298	0.000	1.33	9.84
12.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.298	0.000	0.00	0.08
13.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.299	0.000	0.00	1.00
13.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.299	0.000	1.33	4.10
13.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.299	0.000	0.00	0.30
13.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.299	0.000	0.00	7.30
13.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.299	0.000	0.00	0.27
13.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.299	0.000	4.72	0.00
13.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.299	0.000	1.33	9.84
13.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.299	0.000	0.00	0.08
14.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.300	0.000	0.00	1.00
14.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.300	0.000	1.33	4.10
14.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.300	0.000	0.00	0.30
14.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.300	0.000	0.00	7.30

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 105



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 1.0D + 1.0W**      60.00 mph Serviceability      30 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

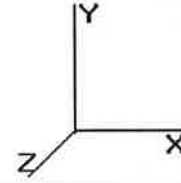
Dead Load Factor : 1.00

Wind Load Factor : 1.00

14.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.300	0.000	0.00	0.27
14.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.300	0.000	4.72	0.00
14.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.300	0.000	1.33	9.84
14.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.300	0.000	0.00	0.08
15.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.302	0.000	0.00	1.00
15.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.302	0.000	1.33	4.10
15.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.302	0.000	0.00	0.30
15.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.302	0.000	0.00	7.30
15.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.302	0.000	0.00	0.27
15.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.302	0.000	4.72	0.00
15.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.302	0.000	1.33	9.84
15.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.302	0.000	0.00	0.08
16.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.303	0.000	0.00	1.00
16.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.303	0.000	1.33	4.10
16.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.303	0.000	0.00	0.30
16.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.303	0.000	0.00	7.30
16.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.303	0.000	0.00	0.27
16.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.303	0.000	4.72	0.00
16.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.303	0.000	1.33	9.84
16.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.303	0.000	0.00	0.08
17.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.304	0.000	0.00	1.00
17.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.304	0.000	1.33	4.10
17.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.304	0.000	0.00	0.30
17.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.304	0.000	0.00	7.30
17.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.304	0.000	0.00	0.27
17.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.304	0.000	4.72	0.00
17.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.304	0.000	1.33	9.84
17.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.304	0.000	0.00	0.08
18.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.306	0.000	0.00	1.00
18.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.306	0.000	1.33	4.10
18.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.306	0.000	0.00	0.30
18.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.306	0.000	0.00	7.30
18.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.306	0.000	0.00	0.27
18.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.306	0.000	4.72	0.00
18.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.306	0.000	1.33	9.84
18.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.306	0.000	0.00	0.08
19.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.307	0.000	0.00	1.00
19.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.307	0.000	1.33	4.10
19.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.307	0.000	0.00	0.30
19.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.307	0.000	0.00	7.30
19.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.307	0.000	0.00	0.27
19.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.307	0.000	4.72	0.00
19.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.307	0.000	1.33	9.84
19.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.307	0.000	0.00	0.08
20.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.308	0.000	0.00	1.00
20.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.308	0.000	1.33	4.10
20.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.308	0.000	0.00	0.30
20.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.308	0.000	0.00	7.30
20.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.308	0.000	0.00	0.27
20.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.308	0.000	4.72	0.00
20.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.308	0.000	1.33	9.84
20.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.308	0.000	0.00	0.08
21.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.310	0.000	0.00	1.00
21.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.310	0.000	1.33	4.10
21.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.310	0.000	0.00	0.30
21.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.310	0.000	0.00	7.30
21.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.310	0.000	0.00	0.27

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:12 PM  
 Page : 106

© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>30 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

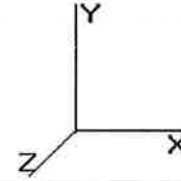
21.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.310	0.000	4.72	0.00
21.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.310	0.000	1.33	9.84
21.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.310	0.000	0.00	0.08
22.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.311	0.000	0.00	1.00
22.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.311	0.000	1.33	4.10
22.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.311	0.000	0.00	0.30
22.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.311	0.000	0.00	7.30
22.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.311	0.000	0.00	0.27
22.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.311	0.000	4.72	0.00
22.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.311	0.000	1.33	9.84
22.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.311	0.000	0.00	0.08
23.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.313	0.000	0.00	1.00
23.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.313	0.000	1.33	4.10
23.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.313	0.000	0.00	0.30
23.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.313	0.000	0.00	7.30
23.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.313	0.000	0.00	0.27
23.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.313	0.000	4.72	0.00
23.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.313	0.000	1.33	9.84
23.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.313	0.000	0.00	0.08
24.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.314	0.000	0.00	1.00
24.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.314	0.000	1.33	4.10
24.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.314	0.000	0.00	0.30
24.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.314	0.000	0.00	7.30
24.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.314	0.000	0.00	0.27
24.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.314	0.000	4.72	0.00
24.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.314	0.000	1.33	9.84
24.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.314	0.000	0.00	0.08
25.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.316	0.000	0.00	1.00
25.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.316	0.000	1.33	4.10
25.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.316	0.000	0.00	0.30
25.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.316	0.000	0.00	7.30
25.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.316	0.000	0.00	0.27
25.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.316	0.000	4.72	0.00
25.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.316	0.000	1.33	9.84
25.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.316	0.000	0.00	0.08
26.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.317	0.000	0.00	1.00
26.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.317	0.000	1.33	4.10
26.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.317	0.000	0.00	0.30
26.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.317	0.000	0.00	7.30
26.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.317	0.000	0.00	0.27
26.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.317	0.000	4.72	0.00
26.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.317	0.000	1.33	9.84
26.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.317	0.000	0.00	0.08
27.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.319	0.000	0.00	1.00
27.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.319	0.000	1.33	4.10
27.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.319	0.000	0.00	0.30
27.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.319	0.000	0.00	7.30
27.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.319	0.000	0.00	0.27
27.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.319	0.000	4.72	0.00
27.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.319	0.000	1.33	9.84
27.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.319	0.000	0.00	0.08
28.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.320	0.000	0.00	1.00
28.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.320	0.000	1.33	4.10
28.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.320	0.000	0.00	0.30
28.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.320	0.000	0.00	7.30
28.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.320	0.000	0.00	0.27
28.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.320	0.000	4.72	0.00



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:12 PM  
 Page: 107



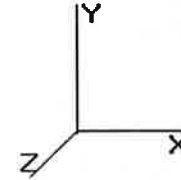
© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 1.0D + 1.0W**      **60.00 mph Serviceability**      **30 Iterations**  
**Gust Response Factor : 1.10**      **Wind Importance Factor : 1.00**  
**Dead Load Factor : 1.00**  
**Wind Load Factor : 1.00**

28.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.320	0.000	1.33	9.84
28.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.320	0.000	0.00	0.08
29.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.322	0.000	0.00	1.00
29.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.322	0.000	1.33	4.10
29.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.322	0.000	0.00	0.30
29.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.322	0.000	0.00	7.30
29.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.322	0.000	0.00	0.27
29.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.129	0.322	0.000	4.72	0.00
29.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.322	0.000	1.33	9.84
29.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.322	0.000	0.00	0.08
30.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.134	0.323	0.000	0.00	1.00
30.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.134	0.323	0.000	1.34	4.10
30.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.134	0.323	0.000	0.00	0.30
30.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.134	0.323	0.000	0.00	7.30
30.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.134	0.323	0.000	0.00	0.27
30.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.134	0.323	0.000	4.72	0.00
30.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.134	0.323	0.000	1.34	9.84
30.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.134	0.323	0.000	0.00	0.08
31.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.192	0.325	0.000	0.00	1.00
31.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.192	0.325	0.000	1.35	4.10
31.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.192	0.325	0.000	0.00	0.30
31.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.192	0.325	0.000	0.00	7.30
31.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.192	0.325	0.000	0.00	0.27
31.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.192	0.325	0.000	4.77	0.00
31.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.192	0.325	0.000	1.35	9.84
31.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.192	0.325	0.000	0.00	0.08
31.50	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	6.220	0.326	0.000	0.00	0.50
31.50	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	6.220	0.326	0.000	0.68	2.06
31.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.220	0.326	0.000	0.00	0.15
31.50	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	6.220	0.326	0.000	0.00	3.67
31.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.220	0.326	0.000	0.00	0.14
31.50	(4) #18 Dywidag bars	Yes	0.50	1.200	7.00	0.29	0.35	6.220	0.326	0.000	2.41	0.00
31.50	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	6.220	0.326	0.000	0.68	4.95
31.50	(1) 0.28" RG6	Yes	0.50	0.000	0.00	0.00	0.00	6.220	0.326	0.000	0.00	0.04
32.00	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	6.248	0.327	0.000	0.00	0.50
32.00	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	6.248	0.327	0.000	0.68	2.04
32.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.248	0.327	0.000	0.00	0.15
32.00	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	6.248	0.327	0.000	0.00	3.63
32.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.248	0.327	0.000	0.00	0.13
32.00	(4) #18 Dywidag bars	Yes	0.50	1.200	7.00	0.29	0.35	6.248	0.327	0.000	2.39	0.00
32.00	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	6.248	0.327	0.000	0.68	4.89
32.00	(1) 0.28" RG6	Yes	0.50	0.000	0.00	0.00	0.00	6.248	0.327	0.000	0.00	0.04
33.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.303	0.328	0.000	0.00	1.00
33.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.303	0.328	0.000	1.37	4.10
33.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.303	0.328	0.000	0.00	0.30
33.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.303	0.328	0.000	0.00	7.30
33.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.303	0.328	0.000	0.00	0.27
33.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.303	0.328	0.000	4.85	0.00
33.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.303	0.328	0.000	1.37	9.84
33.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.303	0.328	0.000	0.00	0.08
34.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.357	0.329	0.000	0.00	1.00
34.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.357	0.329	0.000	1.38	4.10
34.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.357	0.329	0.000	0.00	0.30
34.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.357	0.329	0.000	0.00	7.30
34.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.357	0.329	0.000	0.00	0.27
34.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.357	0.329	0.000	4.89	0.00
34.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.357	0.329	0.000	1.38	9.84

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



© 2007 - 2015 by ATC IP LLC. All rights reserved.

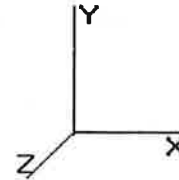
<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>30 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

34.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.357	0.329	0.000	0.00	0.08
35.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.410	0.331	0.000	0.00	1.00
35.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.410	0.331	0.000	1.40	4.10
35.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.410	0.331	0.000	0.00	0.30
35.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.410	0.331	0.000	0.00	7.30
35.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.410	0.331	0.000	0.00	0.27
35.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.410	0.331	0.000	4.94	0.00
35.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.410	0.331	0.000	1.40	9.84
35.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.410	0.331	0.000	0.00	0.08
35.67	(1) 1 1/4" Hybriflex	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.332	0.000	0.00	0.67
35.67	(5) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	6.445	0.332	0.000	0.94	2.75
35.67	(2) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.332	0.000	0.00	0.20
35.67	(2) 2" Conduit	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.332	0.000	0.00	4.89
35.67	(6) 5/16" Coax	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.332	0.000	0.00	0.18
35.67	(4) #18 Dywidag bars	Yes	0.67	1.200	7.00	0.39	0.47	6.445	0.332	0.000	3.32	0.00
35.67	(12) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	6.445	0.332	0.000	0.94	6.59
35.67	(1) 0.28" RG6	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.332	0.000	0.00	0.05
36.00	(1) 1 1/4" Hybriflex	Yes	0.33	0.000	0.00	0.00	0.00	6.462	0.327	0.000	0.00	0.33
36.00	(5) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	6.462	0.327	0.000	0.46	1.35
36.00	(2) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	6.462	0.327	0.000	0.00	0.10
36.00	(2) 2" Conduit	Yes	0.33	0.000	0.00	0.00	0.00	6.462	0.327	0.000	0.00	2.41
36.00	(6) 5/16" Coax	Yes	0.33	0.000	0.00	0.00	0.00	6.462	0.327	0.000	0.00	0.09
36.00	(4) #18 Dywidag bars	Yes	0.33	1.200	7.00	0.19	0.23	6.462	0.327	0.000	1.64	0.00
36.00	(12) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	6.462	0.327	0.000	0.46	3.25
36.00	(1) 0.28" RG6	Yes	0.33	0.000	0.00	0.00	0.00	6.462	0.327	0.000	0.00	0.03
37.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.513	0.328	0.000	0.00	1.00
37.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.513	0.328	0.000	1.42	4.10
37.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.513	0.328	0.000	0.00	0.30
37.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.513	0.328	0.000	0.00	7.30
37.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.513	0.328	0.000	0.00	0.27
37.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.513	0.328	0.000	5.01	0.00
37.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.513	0.328	0.000	1.42	9.84
37.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.513	0.328	0.000	0.00	0.08
38.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.562	0.329	0.000	0.00	1.00
38.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.562	0.329	0.000	1.43	4.10
38.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.562	0.329	0.000	0.00	0.30
38.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.562	0.329	0.000	0.00	7.30
38.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.562	0.329	0.000	0.00	0.27
38.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.562	0.329	0.000	5.05	0.00
38.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.562	0.329	0.000	1.43	9.84
38.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.562	0.329	0.000	0.00	0.08
39.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.611	0.331	0.000	0.00	1.00
39.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.611	0.331	0.000	1.44	4.10
39.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.611	0.331	0.000	0.00	0.30
39.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.611	0.331	0.000	0.00	7.30
39.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.611	0.331	0.000	0.00	0.27
39.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.611	0.331	0.000	5.09	0.00
39.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.611	0.331	0.000	1.44	9.84
39.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.611	0.331	0.000	0.00	0.08
40.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.659	0.333	0.000	0.00	1.00
40.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.659	0.333	0.000	1.45	4.10
40.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.659	0.333	0.000	0.00	0.30
40.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.659	0.333	0.000	0.00	7.30
40.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.659	0.333	0.000	0.00	0.27
40.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.659	0.333	0.000	5.13	0.00
40.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.659	0.333	0.000	1.45	9.84
40.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.659	0.333	0.000	0.00	0.08

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 109



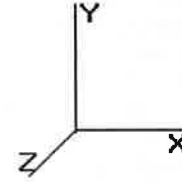
© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 1.0D + 1.0W**      **60.00 mph Serviceability**      **30 Iterations**  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.00  
 Wind Load Factor : 1.00

41.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.706	0.334	0.000	0.00	1.00
41.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.706	0.334	0.000	1.46	4.10
41.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.706	0.334	0.000	0.00	0.30
41.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.706	0.334	0.000	0.00	7.30
41.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.706	0.334	0.000	0.00	0.27
41.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.706	0.334	0.000	5.16	0.00
41.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.706	0.334	0.000	1.46	9.84
41.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.706	0.334	0.000	0.00	0.08
42.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.753	0.336	0.000	0.00	1.00
42.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.753	0.336	0.000	1.47	4.10
42.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.753	0.336	0.000	0.00	0.30
42.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.753	0.336	0.000	0.00	7.30
42.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.753	0.336	0.000	0.00	0.27
42.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.753	0.336	0.000	5.20	0.00
42.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.753	0.336	0.000	1.47	9.84
42.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.753	0.336	0.000	0.00	0.08
43.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.798	0.338	0.000	0.00	1.00
43.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.798	0.338	0.000	1.48	4.10
43.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.798	0.338	0.000	0.00	0.30
43.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.798	0.338	0.000	0.00	7.30
43.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.798	0.338	0.000	0.00	0.27
43.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.798	0.338	0.000	5.23	0.00
43.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.798	0.338	0.000	1.48	9.84
43.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.798	0.338	0.000	0.00	0.08
44.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.843	0.339	0.000	0.00	1.00
44.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.843	0.339	0.000	1.49	4.10
44.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.843	0.339	0.000	0.00	0.30
44.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.843	0.339	0.000	0.00	7.30
44.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.843	0.339	0.000	0.00	0.27
44.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.843	0.339	0.000	5.27	0.00
44.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.843	0.339	0.000	1.49	9.84
44.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.843	0.339	0.000	0.00	0.08
45.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.887	0.341	0.000	0.00	1.00
45.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.887	0.341	0.000	1.50	4.10
45.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.887	0.341	0.000	0.00	0.30
45.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.887	0.341	0.000	0.00	7.30
45.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.887	0.341	0.000	0.00	0.27
45.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.887	0.341	0.000	5.30	0.00
45.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.887	0.341	0.000	1.50	9.84
45.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.887	0.341	0.000	0.00	0.08
46.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.931	0.343	0.000	0.00	1.00
46.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.931	0.343	0.000	1.51	4.10
46.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.931	0.343	0.000	0.00	0.30
46.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.931	0.343	0.000	0.00	7.30
46.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.931	0.343	0.000	0.00	0.27
46.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.931	0.343	0.000	5.34	0.00
46.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.931	0.343	0.000	1.51	9.84
46.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.931	0.343	0.000	0.00	0.08
47.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	6.973	0.345	0.000	0.00	1.00
47.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.973	0.345	0.000	1.52	4.10
47.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.973	0.345	0.000	0.00	0.30
47.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	6.973	0.345	0.000	0.00	7.30
47.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.973	0.345	0.000	0.00	0.27
47.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	6.973	0.345	0.000	5.37	0.00
47.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.973	0.345	0.000	1.52	9.84
47.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	6.973	0.345	0.000	0.00	0.08
48.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.015	0.346	0.000	0.00	1.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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



1/26/2015 2:58:13 PM  
 Page: 110

© 2007 - 2015 by ATC IP LLC. All rights reserved.

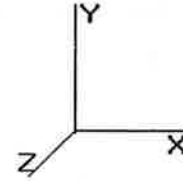
<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>30 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

48.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.015	0.346	0.000	1.53	4.10
48.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.015	0.346	0.000	0.00	0.30
48.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.015	0.346	0.000	0.00	7.30
48.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.015	0.346	0.000	0.00	0.27
48.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	7.015	0.346	0.000	5.40	0.00
48.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.015	0.346	0.000	1.53	9.84
48.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.015	0.346	0.000	0.00	0.08
49.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.057	0.348	0.000	0.00	1.00
49.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.057	0.348	0.000	1.54	4.10
49.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.057	0.348	0.000	0.00	0.30
49.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.057	0.348	0.000	0.00	7.30
49.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.057	0.348	0.000	0.00	0.27
49.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	7.057	0.348	0.000	5.43	0.00
49.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.057	0.348	0.000	1.54	9.84
49.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.057	0.348	0.000	0.00	0.08
50.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.098	0.350	0.000	0.00	1.00
50.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.098	0.350	0.000	1.55	4.10
50.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.098	0.350	0.000	0.00	0.30
50.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.098	0.350	0.000	0.00	7.30
50.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.098	0.350	0.000	0.00	0.27
50.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	7.098	0.350	0.000	5.47	0.00
50.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.098	0.350	0.000	1.55	9.84
50.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.098	0.350	0.000	0.00	0.08
51.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.138	0.352	0.000	0.00	1.00
51.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.138	0.352	0.000	1.55	4.10
51.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.138	0.352	0.000	0.00	0.30
51.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.138	0.352	0.000	0.00	7.30
51.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.138	0.352	0.000	0.00	0.27
51.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	7.138	0.352	0.000	5.50	0.00
51.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.138	0.352	0.000	1.55	9.84
51.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.138	0.352	0.000	0.00	0.08
52.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.178	0.354	0.000	0.00	1.00
52.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.178	0.354	0.000	1.56	4.10
52.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.178	0.354	0.000	0.00	0.30
52.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.178	0.354	0.000	0.00	7.30
52.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.178	0.354	0.000	0.00	0.27
52.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	7.178	0.354	0.000	5.53	0.00
52.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.178	0.354	0.000	1.56	9.84
52.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.178	0.354	0.000	0.00	0.08
53.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.217	0.356	0.000	0.00	1.00
53.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.217	0.356	0.000	1.57	4.10
53.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.217	0.356	0.000	0.00	0.30
53.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.217	0.356	0.000	0.00	7.30
53.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.217	0.356	0.000	0.00	0.27
53.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	7.217	0.356	0.000	5.56	0.00
53.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.217	0.356	0.000	1.57	9.84
53.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.217	0.356	0.000	0.00	0.08
54.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.255	0.357	0.000	0.00	1.00
54.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.255	0.357	0.000	1.58	4.10
54.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.255	0.357	0.000	0.00	0.30
54.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.255	0.357	0.000	0.00	7.30
54.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.255	0.357	0.000	0.00	0.27
54.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	7.255	0.357	0.000	5.59	0.00
54.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.255	0.357	0.000	1.58	9.84
54.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.255	0.357	0.000	0.00	0.08
55.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.359	0.000	0.00	1.00
55.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.294	0.359	0.000	1.59	4.10

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 111



© 2007 - 2015 by ATC IP LLC. All rights reserved.

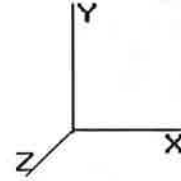
<b>Load Case:</b> 1.0D + 1.0W	<b>60.00 mph Serviceability</b>	<b>30 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

55.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.359	0.000	0.00	0.30
55.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.359	0.000	0.00	7.30
55.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.359	0.000	0.00	0.27
55.00	(4) #18 Dywidag bars	Yes	1.00	1.200	7.00	0.58	0.70	7.294	0.359	0.000	5.62	0.00
55.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.294	0.359	0.000	1.59	9.84
55.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.294	0.359	0.000	0.00	0.08
56.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.361	0.000	0.00	1.00
56.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.331	0.361	0.000	1.60	4.10
56.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.361	0.000	0.00	0.30
56.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.361	0.000	0.00	7.30
56.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.361	0.000	0.00	0.27
56.00	(4) #18 Dywidag bars	Yes	1.00	1.199	7.00	0.58	0.70	7.331	0.361	0.000	5.64	0.00
56.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.331	0.361	0.000	1.60	9.84
56.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.361	0.000	0.00	0.08
57.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.368	0.363	0.000	0.00	1.00
57.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.368	0.363	0.000	1.60	4.10
57.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.368	0.363	0.000	0.00	0.30
57.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.368	0.363	0.000	0.00	7.30
57.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.368	0.363	0.000	0.00	0.27
57.00	(4) #18 Dywidag bars	Yes	1.00	1.196	7.00	0.58	0.70	7.368	0.363	0.000	5.65	0.00
57.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.368	0.363	0.000	1.60	9.84
57.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.368	0.363	0.000	0.00	0.08
58.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.405	0.365	0.000	0.00	1.00
58.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.405	0.365	0.000	1.61	4.10
58.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.405	0.365	0.000	0.00	0.30
58.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.405	0.365	0.000	0.00	7.30
58.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.405	0.365	0.000	0.00	0.27
58.00	(4) #18 Dywidag bars	Yes	1.00	1.193	7.00	0.58	0.70	7.405	0.365	0.000	5.67	0.00
58.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.405	0.365	0.000	1.61	9.84
58.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.405	0.365	0.000	0.00	0.08
59.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.441	0.367	0.000	0.00	1.00
59.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.441	0.367	0.000	1.62	4.10
59.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.441	0.367	0.000	0.00	0.30
59.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.441	0.367	0.000	0.00	7.30
59.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.441	0.367	0.000	0.00	0.27
59.00	(4) #18 Dywidag bars	Yes	1.00	1.190	7.00	0.58	0.69	7.441	0.367	0.000	5.68	0.00
59.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.441	0.367	0.000	1.62	9.84
59.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.441	0.367	0.000	0.00	0.08
60.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.477	0.369	0.000	0.00	1.00
60.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.477	0.369	0.000	1.63	4.10
60.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.477	0.369	0.000	0.00	0.30
60.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.477	0.369	0.000	0.00	7.30
60.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.477	0.369	0.000	0.00	0.27
60.00	(4) #18 Dywidag bars	Yes	1.00	1.187	7.00	0.58	0.69	7.477	0.369	0.000	5.70	0.00
60.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.477	0.369	0.000	1.63	9.84
60.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.477	0.369	0.000	0.00	0.08
61.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.513	0.371	0.000	0.00	1.00
61.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.513	0.371	0.000	1.64	4.10
61.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.513	0.371	0.000	0.00	0.30
61.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.513	0.371	0.000	0.00	7.30
61.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.513	0.371	0.000	0.00	0.27
61.00	(4) #18 Dywidag bars	Yes	1.00	1.184	7.00	0.58	0.69	7.513	0.371	0.000	5.71	0.00
61.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.513	0.371	0.000	1.64	9.84
61.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.513	0.371	0.000	0.00	0.08
62.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.548	0.373	0.000	0.00	1.00
62.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.548	0.373	0.000	1.64	4.10
62.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.548	0.373	0.000	0.00	0.30

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 112



© 2007 - 2015 by ATC IP LLC. All rights reserved.

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

60.00 mph Serviceability

30 Iterations

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

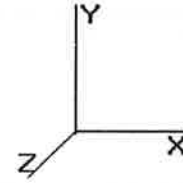
Wind Importance Factor : 1.00

62.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.548	0.373	0.000	0.00	7.30
62.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.548	0.373	0.000	0.00	0.27
62.00	(4) #18 Dywidag bars	Yes	1.00	1.182	7.00	0.58	0.69	7.548	0.373	0.000	5.72	0.00
62.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.548	0.373	0.000	1.64	9.84
62.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.548	0.373	0.000	0.00	0.08
63.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.582	0.375	0.000	0.00	1.00
63.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.582	0.375	0.000	1.65	4.10
63.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.582	0.375	0.000	0.00	0.30
63.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.582	0.375	0.000	0.00	7.30
63.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.582	0.375	0.000	0.00	0.27
63.00	(4) #18 Dywidag bars	Yes	1.00	1.179	7.00	0.58	0.69	7.582	0.375	0.000	5.74	0.00
63.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.582	0.375	0.000	1.65	9.84
63.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.582	0.375	0.000	0.00	0.08
64.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.616	0.377	0.000	0.00	1.00
64.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.616	0.377	0.000	1.66	4.10
64.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.616	0.377	0.000	0.00	0.30
64.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.616	0.377	0.000	0.00	7.30
64.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.616	0.377	0.000	0.00	0.27
64.00	(4) #18 Dywidag bars	Yes	1.00	1.176	7.00	0.58	0.69	7.616	0.377	0.000	5.75	0.00
64.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.616	0.377	0.000	1.66	9.84
64.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.616	0.377	0.000	0.00	0.08
65.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.650	0.379	0.000	0.00	1.00
65.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.650	0.379	0.000	1.67	4.10
65.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.650	0.379	0.000	0.00	0.30
65.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.650	0.379	0.000	0.00	7.30
65.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.650	0.379	0.000	0.00	0.27
65.00	(4) #18 Dywidag bars	Yes	1.00	1.174	7.00	0.58	0.68	7.650	0.379	0.000	5.76	0.00
65.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.650	0.379	0.000	1.67	9.84
65.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.650	0.379	0.000	0.00	0.08
66.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.684	0.382	0.000	0.00	1.00
66.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.684	0.382	0.000	1.67	4.10
66.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.684	0.382	0.000	0.00	0.30
66.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.684	0.382	0.000	0.00	7.30
66.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.684	0.382	0.000	0.00	0.27
66.00	(4) #18 Dywidag bars	Yes	1.00	1.171	7.00	0.58	0.68	7.684	0.382	0.000	5.77	0.00
66.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.684	0.382	0.000	1.67	9.84
66.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.684	0.382	0.000	0.00	0.08
67.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.717	0.384	0.000	0.00	1.00
67.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.717	0.384	0.000	1.68	4.10
67.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.717	0.384	0.000	0.00	0.30
67.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.717	0.384	0.000	0.00	7.30
67.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.717	0.384	0.000	0.00	0.27
67.00	(4) #18 Dywidag bars	Yes	1.00	1.169	7.00	0.58	0.68	7.717	0.384	0.000	5.79	0.00
67.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.717	0.384	0.000	1.68	9.84
67.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.717	0.384	0.000	0.00	0.08
68.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.749	0.386	0.000	0.00	1.00
68.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.749	0.386	0.000	1.69	4.10
68.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.749	0.386	0.000	0.00	0.30
68.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.749	0.386	0.000	0.00	7.30
68.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.749	0.386	0.000	0.00	0.27
68.00	(4) #18 Dywidag bars	Yes	1.00	1.166	7.00	0.58	0.68	7.749	0.386	0.000	5.80	0.00
68.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.749	0.386	0.000	1.69	9.84
68.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.749	0.386	0.000	0.00	0.08
69.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.782	0.388	0.000	0.00	1.00
69.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.782	0.388	0.000	1.69	4.10
69.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.782	0.388	0.000	0.00	0.30
69.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.782	0.388	0.000	0.00	7.30

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 113



© 2007 - 2015 by ATC IP LLC. All rights reserved.

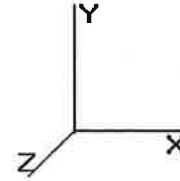
<b>Load Case:</b> 1.0D + 1.0W	<b>60.00 mph Serviceability</b>	<b>30 Iterations</b>
<b>Gust Response Factor:</b> 1.10		<b>Wind Importance Factor:</b> 1.00
<b>Dead Load Factor:</b> 1.00		
<b>Wind Load Factor:</b> 1.00		

69.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	0.00	7.782	0.388	0.000	0.00	0.27
69.00	(4) #18 Dywidag bars	Yes	1.00	1.164	7.00	0.58	0.68	7.782	0.388	0.000	5.81	0.00	
69.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.782	0.388	0.000	1.69	9.84	
69.00	(1) 0.28" RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.782	0.388	0.000	0.00	0.08	
70.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.814	0.390	0.000	0.00	1.00	
70.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.814	0.390	0.000	1.70	4.10	
70.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.814	0.390	0.000	0.00	0.30	
70.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.814	0.390	0.000	0.00	7.30	
70.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.814	0.390	0.000	0.00	0.27	
70.00	(4) #18 Dywidag bars	Yes	1.00	1.161	7.00	0.58	0.68	7.814	0.390	0.000	5.82	0.00	
70.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.814	0.390	0.000	1.70	9.84	
70.00	(1) 1 1/4" Hybriflex	Yes	0.00	0.000	0.00	0.00	0.00	7.814	0.392	0.000	0.00	0.00	
70.00	(5) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	7.814	0.392	0.000	0.01	0.01	
70.00	(2) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	7.814	0.392	0.000	0.00	0.00	
70.00	(2) 2" Conduit	Yes	0.00	0.000	0.00	0.00	0.00	7.814	0.392	0.000	0.00	0.02	
70.00	(6) 5/16" Coax	Yes	0.00	0.000	0.00	0.00	0.00	7.814	0.392	0.000	0.00	0.00	
70.00	(4) #18 Dywidag bars	Yes	0.00	1.161	7.00	0.00	0.00	7.814	0.392	0.000	0.02	0.00	
70.00	(12) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	7.814	0.392	0.000	0.01	0.03	
71.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.846	0.393	0.000	0.00	1.00	
71.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	7.846	0.393	0.000	1.70	4.09	
71.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.846	0.393	0.000	0.00	0.30	
71.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.846	0.393	0.000	0.00	7.28	
71.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.846	0.393	0.000	0.00	0.27	
71.00	(4) #18 Dywidag bars	Yes	1.00	1.159	7.00	0.58	0.67	7.846	0.393	0.000	5.82	0.00	
71.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	7.846	0.393	0.000	1.70	9.81	
72.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.877	0.395	0.000	0.00	1.00	
72.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.877	0.395	0.000	1.72	4.10	
72.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.877	0.395	0.000	0.00	0.30	
72.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.877	0.395	0.000	0.00	7.30	
72.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.877	0.395	0.000	0.00	0.27	
72.00	(4) #18 Dywidag bars	Yes	1.00	1.157	7.00	0.58	0.67	7.877	0.395	0.000	5.85	0.00	
72.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.877	0.395	0.000	1.72	9.84	
73.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.908	0.397	0.000	0.00	1.00	
73.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.908	0.397	0.000	1.72	4.10	
73.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.908	0.397	0.000	0.00	0.30	
73.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.908	0.397	0.000	0.00	7.30	
73.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.908	0.397	0.000	0.00	0.27	
73.00	(4) #18 Dywidag bars	Yes	1.00	1.154	7.00	0.58	0.67	7.908	0.397	0.000	5.86	0.00	
73.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.908	0.397	0.000	1.72	9.84	
73.50	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	7.924	0.399	0.000	0.00	0.50	
73.50	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	7.924	0.399	0.000	0.87	2.06	
73.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	7.924	0.399	0.000	0.00	0.15	
73.50	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	7.924	0.399	0.000	0.00	3.67	
73.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	7.924	0.399	0.000	0.00	0.14	
73.50	(4) #18 Dywidag bars	Yes	0.50	1.153	7.00	0.29	0.34	7.924	0.399	0.000	2.95	0.00	
73.50	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	7.924	0.399	0.000	0.87	4.95	
74.00	(1) 1 1/4" Hybriflex	Yes	0.50	0.000	0.00	0.00	0.00	7.939	0.393	0.000	0.00	0.50	
74.00	(5) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	7.939	0.393	0.000	0.86	2.04	
74.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	7.939	0.393	0.000	0.00	0.15	
74.00	(2) 2" Conduit	Yes	0.50	0.000	0.00	0.00	0.00	7.939	0.393	0.000	0.00	3.63	
74.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	7.939	0.393	0.000	0.00	0.13	
74.00	(4) #18 Dywidag bars	Yes	0.50	1.152	7.00	0.29	0.33	7.939	0.393	0.000	2.92	0.00	
74.00	(12) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	7.939	0.393	0.000	0.86	4.89	
75.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	7.969	0.395	0.000	0.00	1.00	
75.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.969	0.395	0.000	1.74	4.10	
75.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.969	0.395	0.000	0.00	0.30	
75.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	7.969	0.395	0.000	0.00	7.30	

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 114



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

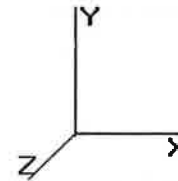
75.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.969	0.395	0.000	0.00	0.27
75.00	(4) #18 Dywidag bars	Yes	1.00	1.150	7.00	0.58	0.67	7.969	0.395	0.000	5.88	0.00
75.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.969	0.395	0.000	1.74	9.84
76.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.000	0.397	0.000	0.00	1.00
76.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.000	0.397	0.000	1.74	4.10
76.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.000	0.397	0.000	0.00	0.30
76.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.000	0.397	0.000	0.00	7.30
76.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.000	0.397	0.000	0.00	0.27
76.00	(4) #18 Dywidag bars	Yes	1.00	1.148	7.00	0.58	0.67	8.000	0.397	0.000	5.89	0.00
76.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.000	0.397	0.000	1.74	9.84
77.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.030	0.399	0.000	0.00	1.00
77.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.030	0.399	0.000	1.75	4.10
77.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.030	0.399	0.000	0.00	0.30
77.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.030	0.399	0.000	0.00	7.30
77.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.030	0.399	0.000	0.00	0.27
77.00	(4) #18 Dywidag bars	Yes	1.00	1.146	7.00	0.58	0.67	8.030	0.399	0.000	5.90	0.00
77.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.030	0.399	0.000	1.75	9.84
78.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.059	0.402	0.000	0.00	1.00
78.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.059	0.402	0.000	1.76	4.10
78.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.059	0.402	0.000	0.00	0.30
78.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.059	0.402	0.000	0.00	7.30
78.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.059	0.402	0.000	0.00	0.27
78.00	(4) #18 Dywidag bars	Yes	1.00	1.144	7.00	0.58	0.67	8.059	0.402	0.000	5.91	0.00
78.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.059	0.402	0.000	1.76	9.84
79.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.089	0.404	0.000	0.00	1.00
79.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.089	0.404	0.000	1.76	4.10
79.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.089	0.404	0.000	0.00	0.30
79.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.089	0.404	0.000	0.00	7.30
79.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.089	0.404	0.000	0.00	0.27
79.00	(4) #18 Dywidag bars	Yes	1.00	1.141	7.00	0.58	0.67	8.089	0.404	0.000	5.92	0.00
79.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.089	0.404	0.000	1.76	9.84
80.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.118	0.406	0.000	0.00	1.00
80.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.118	0.406	0.000	1.77	4.10
80.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.118	0.406	0.000	0.00	0.30
80.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.118	0.406	0.000	0.00	7.30
80.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.118	0.406	0.000	0.00	0.27
80.00	(4) #18 Dywidag bars	Yes	1.00	1.139	7.00	0.58	0.66	8.118	0.406	0.000	5.94	0.00
80.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.118	0.406	0.000	1.77	9.84
81.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.147	0.409	0.000	0.00	1.00
81.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.147	0.409	0.000	1.77	4.10
81.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.147	0.409	0.000	0.00	0.30
81.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.147	0.409	0.000	0.00	7.30
81.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.147	0.409	0.000	0.00	0.27
81.00	(4) #18 Dywidag bars	Yes	1.00	1.137	7.00	0.58	0.66	8.147	0.409	0.000	5.95	0.00
81.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.147	0.409	0.000	1.77	9.84
82.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.175	0.411	0.000	0.00	1.00
82.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.175	0.411	0.000	1.78	4.10
82.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.175	0.411	0.000	0.00	0.30
82.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.175	0.411	0.000	0.00	7.30
82.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.175	0.411	0.000	0.00	0.27
82.00	(4) #18 Dywidag bars	Yes	1.00	1.135	7.00	0.58	0.66	8.175	0.411	0.000	5.96	0.00
82.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.175	0.411	0.000	1.78	9.84
83.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.204	0.414	0.000	0.00	1.00
83.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.204	0.414	0.000	1.79	4.10
83.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.204	0.414	0.000	0.00	0.30
83.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.204	0.414	0.000	0.00	7.30
83.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.204	0.414	0.000	0.00	0.27



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 115



© 2007 - 2015 by ATC IP LLC. All rights reserved.

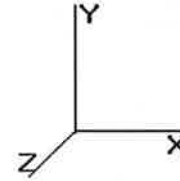
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

83.00	(4) #18 Dywidag bars	Yes	1.00	1.133	7.00	0.58	0.66	8.204	0.414	0.000	5.97	0.00
83.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.204	0.414	0.000	1.79	9.84
84.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.232	0.416	0.000	0.00	1.00
84.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.232	0.416	0.000	1.79	4.10
84.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.232	0.416	0.000	0.00	0.30
84.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.232	0.416	0.000	0.00	7.30
84.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.232	0.416	0.000	0.00	0.27
84.00	(4) #18 Dywidag bars	Yes	1.00	1.131	7.00	0.58	0.66	8.232	0.416	0.000	5.98	0.00
84.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.232	0.416	0.000	1.79	9.84
85.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.260	0.419	0.000	0.00	1.00
85.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.260	0.419	0.000	1.80	4.10
85.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.260	0.419	0.000	0.00	0.30
85.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.260	0.419	0.000	0.00	7.30
85.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.260	0.419	0.000	0.00	0.27
85.00	(4) #18 Dywidag bars	Yes	1.00	1.130	7.00	0.58	0.66	8.260	0.419	0.000	5.99	0.00
85.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.260	0.419	0.000	1.80	9.84
86.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.287	0.422	0.000	0.00	1.00
86.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.287	0.422	0.000	1.80	4.10
86.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.287	0.422	0.000	0.00	0.30
86.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.287	0.422	0.000	0.00	7.30
86.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.287	0.422	0.000	0.00	0.27
86.00	(4) #18 Dywidag bars	Yes	1.00	1.128	7.00	0.58	0.66	8.287	0.422	0.000	6.00	0.00
86.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.287	0.422	0.000	1.80	9.84
87.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.315	0.424	0.000	0.00	1.00
87.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.315	0.424	0.000	1.81	4.10
87.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.315	0.424	0.000	0.00	0.30
87.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.315	0.424	0.000	0.00	7.30
87.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.315	0.424	0.000	0.00	0.27
87.00	(4) #18 Dywidag bars	Yes	1.00	1.126	7.00	0.58	0.66	8.315	0.424	0.000	6.01	0.00
87.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.315	0.424	0.000	1.81	9.84
88.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.342	0.427	0.000	0.00	1.00
88.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.342	0.427	0.000	1.82	4.10
88.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.342	0.427	0.000	0.00	0.30
88.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.342	0.427	0.000	0.00	7.30
88.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.342	0.427	0.000	0.00	0.27
88.00	(4) #18 Dywidag bars	Yes	1.00	1.124	7.00	0.58	0.66	8.342	0.427	0.000	6.02	0.00
88.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.342	0.427	0.000	1.82	9.84
89.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.369	0.430	0.000	0.00	1.00
89.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.369	0.430	0.000	1.82	4.10
89.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.369	0.430	0.000	0.00	0.30
89.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.369	0.430	0.000	0.00	7.30
89.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.369	0.430	0.000	0.00	0.27
89.00	(4) #18 Dywidag bars	Yes	1.00	1.122	7.00	0.58	0.65	8.369	0.430	0.000	6.03	0.00
89.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.369	0.430	0.000	1.82	9.84
90.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.396	0.432	0.000	0.00	1.00
90.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.396	0.432	0.000	1.83	4.10
90.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.396	0.432	0.000	0.00	0.30
90.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.396	0.432	0.000	0.00	7.30
90.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.396	0.432	0.000	0.00	0.27
90.00	(4) #18 Dywidag bars	Yes	1.00	1.120	7.00	0.58	0.65	8.396	0.432	0.000	6.04	0.00
90.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.396	0.432	0.000	1.83	9.84
91.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.422	0.435	0.000	0.00	1.00
91.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.422	0.435	0.000	1.83	4.10
91.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.422	0.435	0.000	0.00	0.30
91.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.422	0.435	0.000	0.00	7.30
91.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.422	0.435	0.000	0.00	0.27
91.00	(4) #18 Dywidag bars	Yes	1.00	1.119	7.00	0.58	0.65	8.422	0.435	0.000	6.05	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 116



© 2007 - 2015 by ATC IP LLC. All rights reserved.

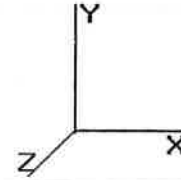
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

91.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.422	0.435	0.000	1.83	9.84
92.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.448	0.438	0.000	0.00	1.00
92.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.448	0.438	0.000	1.84	4.10
92.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.448	0.438	0.000	0.00	0.30
92.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.448	0.438	0.000	0.00	7.30
92.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.448	0.438	0.000	0.00	0.27
92.00	(4) #18 Dywidag bars	Yes	1.00	1.117	7.00	0.58	0.65	8.448	0.438	0.000	6.05	0.00
92.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.448	0.438	0.000	1.84	9.84
93.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.475	0.441	0.000	0.00	1.00
93.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.475	0.441	0.000	1.85	4.10
93.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.475	0.441	0.000	0.00	0.30
93.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.475	0.441	0.000	0.00	7.30
93.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.475	0.441	0.000	0.00	0.27
93.00	(4) #18 Dywidag bars	Yes	1.00	1.115	7.00	0.58	0.65	8.475	0.441	0.000	6.06	0.00
93.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.475	0.441	0.000	1.85	9.84
94.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.501	0.444	0.000	0.00	1.00
94.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.501	0.444	0.000	1.85	4.10
94.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.501	0.444	0.000	0.00	0.30
94.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.501	0.444	0.000	0.00	7.30
94.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.501	0.444	0.000	0.00	0.27
94.00	(4) #18 Dywidag bars	Yes	1.00	1.113	7.00	0.58	0.65	8.501	0.444	0.000	6.07	0.00
94.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.501	0.444	0.000	1.85	9.84
95.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.526	0.447	0.000	0.00	1.00
95.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.526	0.447	0.000	1.86	4.10
95.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.526	0.447	0.000	0.00	0.30
95.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.526	0.447	0.000	0.00	7.30
95.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.526	0.447	0.000	0.00	0.27
95.00	(4) #18 Dywidag bars	Yes	1.00	1.112	7.00	0.58	0.65	8.526	0.447	0.000	6.08	0.00
95.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.526	0.447	0.000	1.86	9.84
96.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.552	0.450	0.000	0.00	1.00
96.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.552	0.450	0.000	1.86	4.10
96.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.552	0.450	0.000	0.00	0.30
96.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.552	0.450	0.000	0.00	7.30
96.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.552	0.450	0.000	0.00	0.27
96.00	(4) #18 Dywidag bars	Yes	1.00	1.110	7.00	0.58	0.65	8.552	0.450	0.000	6.09	0.00
96.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.552	0.450	0.000	1.86	9.84
97.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.577	0.453	0.000	0.00	1.00
97.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.577	0.453	0.000	1.87	4.10
97.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.577	0.453	0.000	0.00	0.30
97.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.577	0.453	0.000	0.00	7.30
97.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.577	0.453	0.000	0.00	0.27
97.00	(4) #18 Dywidag bars	Yes	1.00	1.108	7.00	0.58	0.65	8.577	0.453	0.000	6.10	0.00
97.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.577	0.453	0.000	1.87	9.84
98.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.602	0.456	0.000	0.00	1.00
98.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.602	0.456	0.000	1.87	4.10
98.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.602	0.456	0.000	0.00	0.30
98.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.602	0.456	0.000	0.00	7.30
98.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.602	0.456	0.000	0.00	0.27
98.00	(4) #18 Dywidag bars	Yes	1.00	1.107	7.00	0.58	0.65	8.602	0.456	0.000	6.11	0.00
98.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.602	0.456	0.000	1.87	9.84
99.00	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.627	0.459	0.000	0.00	1.00
99.00	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.627	0.459	0.000	1.88	4.10
99.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.627	0.459	0.000	0.00	0.30
99.00	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.627	0.459	0.000	0.00	7.30
99.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.627	0.459	0.000	0.00	0.27
99.00	(4) #18 Dywidag bars	Yes	1.00	1.105	7.00	0.58	0.64	8.627	0.459	0.000	6.12	0.00
99.00	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.627	0.459	0.000	1.88	9.84

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 117



© 2007 - 2015 by ATC IP LLC. All rights reserved.

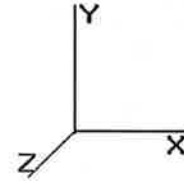
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	30 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

100.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.652	0.462	0.000	0.00	1.00
100.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.652	0.462	0.000	1.88	4.10
100.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.652	0.462	0.000	0.00	0.30
100.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.652	0.462	0.000	0.00	7.30
100.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.652	0.462	0.000	0.00	0.27
100.0	(4) #18 Dywidag bars	Yes	1.00	1.104	7.00	0.58	0.64	8.652	0.462	0.000	6.13	0.00
100.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.652	0.462	0.000	1.88	9.84
101.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.677	0.465	0.000	0.00	1.00
101.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.677	0.465	0.000	1.89	4.10
101.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.677	0.465	0.000	0.00	0.30
101.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.677	0.465	0.000	0.00	7.30
101.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.677	0.465	0.000	0.00	0.27
101.0	(4) #18 Dywidag bars	Yes	1.00	1.102	7.00	0.58	0.64	8.677	0.465	0.000	6.14	0.00
101.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.677	0.465	0.000	1.89	9.84
102.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.701	0.468	0.000	0.00	1.00
102.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.701	0.468	0.000	1.90	4.10
102.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.701	0.468	0.000	0.00	0.30
102.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.701	0.468	0.000	0.00	7.30
102.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.701	0.468	0.000	0.00	0.27
102.0	(4) #18 Dywidag bars	Yes	1.00	1.101	7.00	0.58	0.64	8.701	0.468	0.000	6.14	0.00
102.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.701	0.468	0.000	1.90	9.84
103.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.726	0.472	0.000	0.00	1.00
103.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.726	0.472	0.000	1.90	4.10
103.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.726	0.472	0.000	0.00	0.30
103.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.726	0.472	0.000	0.00	7.30
103.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.726	0.472	0.000	0.00	0.27
103.0	(4) #18 Dywidag bars	Yes	1.00	1.099	7.00	0.58	0.64	8.726	0.472	0.000	6.15	0.00
103.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.726	0.472	0.000	1.90	9.84
104.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.750	0.475	0.000	0.00	1.00
104.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.750	0.475	0.000	1.91	4.10
104.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.750	0.475	0.000	0.00	0.30
104.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.750	0.475	0.000	0.00	7.30
104.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.750	0.475	0.000	0.00	0.27
104.0	(4) #18 Dywidag bars	Yes	1.00	1.097	7.00	0.58	0.64	8.750	0.475	0.000	6.16	0.00
104.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.750	0.475	0.000	1.91	9.84
105.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.774	0.478	0.000	0.00	1.00
105.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.774	0.478	0.000	1.91	4.10
105.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.774	0.478	0.000	0.00	0.30
105.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.774	0.478	0.000	0.00	7.30
105.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.774	0.478	0.000	0.00	0.27
105.0	(4) #18 Dywidag bars	Yes	1.00	1.096	7.00	0.58	0.64	8.774	0.478	0.000	6.17	0.00
105.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.774	0.478	0.000	1.91	9.84
106.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.797	0.482	0.000	0.00	1.00
106.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.797	0.482	0.000	1.92	4.10
106.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.797	0.482	0.000	0.00	0.30
106.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.797	0.482	0.000	0.00	7.30
106.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.797	0.482	0.000	0.00	0.27
106.0	(4) #18 Dywidag bars	Yes	1.00	1.095	7.00	0.58	0.64	8.797	0.482	0.000	6.18	0.00
106.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.797	0.482	0.000	1.92	9.84
107.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.821	0.485	0.000	0.00	1.00
107.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.821	0.485	0.000	1.92	4.10
107.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.821	0.485	0.000	0.00	0.30
107.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.821	0.485	0.000	0.00	7.30
107.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.821	0.485	0.000	0.00	0.27
107.0	(4) #18 Dywidag bars	Yes	1.00	1.093	7.00	0.58	0.64	8.821	0.485	0.000	6.19	0.00
107.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.821	0.485	0.000	1.92	9.84
108.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.845	0.489	0.000	0.00	1.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:13 PM  
 Page: 118



© 2007 - 2015 by ATC IP LLC. All rights reserved.

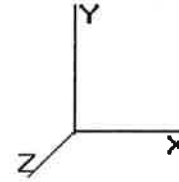
<b>Load Case:</b> 1.0D + 1.0W	<b>60.00 mph Serviceability</b>	<b>30 Iterations</b>
<b>Gust Response Factor :</b> 1.10		<b>Wind Importance Factor :</b> 1.00
<b>Dead Load Factor :</b> 1.00		
<b>Wind Load Factor :</b> 1.00		

108.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.845	0.489	0.000	1.93	4.10
108.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.845	0.489	0.000	0.00	0.30
108.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.845	0.489	0.000	0.00	7.30
108.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.845	0.489	0.000	0.00	0.27
108.0	(4) #18 Dywidag bars	Yes	1.00	1.092	7.00	0.58	0.64	8.845	0.489	0.000	6.20	0.00
108.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.845	0.489	0.000	1.93	9.84
109.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.868	0.492	0.000	0.00	1.00
109.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.868	0.492	0.000	1.93	4.10
109.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.868	0.492	0.000	0.00	0.30
109.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.868	0.492	0.000	0.00	7.30
109.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.868	0.492	0.000	0.00	0.27
109.0	(4) #18 Dywidag bars	Yes	1.00	1.090	7.00	0.58	0.64	8.868	0.492	0.000	6.20	0.00
109.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.868	0.492	0.000	1.93	9.84
110.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.891	0.496	0.000	0.00	1.00
110.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.891	0.496	0.000	1.94	4.10
110.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.891	0.496	0.000	0.00	0.30
110.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.891	0.496	0.000	0.00	7.30
110.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.891	0.496	0.000	0.00	0.27
110.0	(4) #18 Dywidag bars	Yes	1.00	1.089	7.00	0.58	0.64	8.891	0.496	0.000	6.21	0.00
110.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.891	0.496	0.000	1.94	9.84
110.0	(1) 1 1/4" Hybriflex	Yes	0.00	0.000	0.00	0.00	0.00	8.891	0.498	0.000	0.00	0.00
110.0	(5) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	8.891	0.498	0.000	0.01	0.01
110.0	(2) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	8.891	0.498	0.000	0.00	0.00
110.0	(2) 2" Conduit	Yes	0.00	0.000	0.00	0.00	0.00	8.891	0.498	0.000	0.00	0.02
110.0	(6) 5/16" Coax	Yes	0.00	0.000	0.00	0.00	0.00	8.891	0.498	0.000	0.00	0.00
110.0	(4) #18 Dywidag bars	Yes	0.00	1.089	7.00	0.00	0.00	8.891	0.498	0.000	0.02	0.00
110.0	(12) 1 5/8" Coax	Yes	0.00	1.200	1.98	0.00	0.00	8.891	0.498	0.000	0.01	0.03
111.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.914	0.500	0.000	0.00	1.00
111.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	8.914	0.500	0.000	1.94	4.09
111.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.914	0.500	0.000	0.00	0.30
111.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.914	0.500	0.000	0.00	7.28
111.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.914	0.500	0.000	0.00	0.27
111.0	(4) #18 Dywidag bars	Yes	1.00	1.087	7.00	0.58	0.63	8.914	0.500	0.000	6.20	0.00
111.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.16	0.20	8.914	0.500	0.000	1.94	9.81
112.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.937	0.503	0.000	0.00	1.00
112.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.937	0.503	0.000	1.95	4.10
112.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.937	0.503	0.000	0.00	0.30
112.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.937	0.503	0.000	0.00	7.30
112.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.937	0.503	0.000	0.00	0.27
112.0	(4) #18 Dywidag bars	Yes	1.00	1.086	7.00	0.58	0.63	8.937	0.503	0.000	6.23	0.00
112.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.937	0.503	0.000	1.95	9.84
113.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.960	0.507	0.000	0.00	1.00
113.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.960	0.507	0.000	1.95	4.10
113.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.960	0.507	0.000	0.00	0.30
113.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.960	0.507	0.000	0.00	7.30
113.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.960	0.507	0.000	0.00	0.27
113.0	(4) #18 Dywidag bars	Yes	1.00	1.085	7.00	0.58	0.63	8.960	0.507	0.000	6.24	0.00
113.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.960	0.507	0.000	1.95	9.84
114.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	8.982	0.511	0.000	0.00	1.00
114.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.982	0.511	0.000	1.96	4.10
114.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.982	0.511	0.000	0.00	0.30
114.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	8.982	0.511	0.000	0.00	7.30
114.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.982	0.511	0.000	0.00	0.27
114.0	(4) #18 Dywidag bars	Yes	1.00	1.083	7.00	0.58	0.63	8.982	0.511	0.000	6.24	0.00
114.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.982	0.511	0.000	1.96	9.84
115.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.005	0.515	0.000	0.00	1.00
115.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.005	0.515	0.000	1.96	4.10

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page : 119



© 2007 - 2015 by ATC IP LLC. All rights reserved.

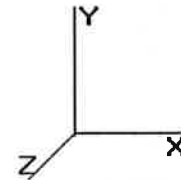
**Load Case:** 1.0D + 1.0W      **60.00 mph Serviceability**      **30 Iterations**  
**Gust Response Factor :** 1.10      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 1.00  
**Wind Load Factor :** 1.00

115.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.005	0.515	0.000	0.00	0.30
115.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.005	0.515	0.000	0.00	7.30
115.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.005	0.515	0.000	0.00	0.27
115.0	(4) #18 Dywidag bars	Yes	1.00	1.082	7.00	0.58	0.63	9.005	0.515	0.000	6.25	0.00
115.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.005	0.515	0.000	1.96	9.84
116.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.027	0.519	0.000	0.00	1.00
116.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.027	0.519	0.000	1.97	4.10
116.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.027	0.519	0.000	0.00	0.30
116.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.027	0.519	0.000	0.00	7.30
116.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.027	0.519	0.000	0.00	0.27
116.0	(4) #18 Dywidag bars	Yes	1.00	1.081	7.00	0.58	0.63	9.027	0.519	0.000	6.26	0.00
116.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.027	0.519	0.000	1.97	9.84
117.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.049	0.523	0.000	0.00	1.00
117.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.049	0.523	0.000	1.97	4.10
117.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.049	0.523	0.000	0.00	0.30
117.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.049	0.523	0.000	0.00	7.30
117.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.049	0.523	0.000	0.00	0.27
117.0	(4) #18 Dywidag bars	Yes	1.00	1.079	7.00	0.58	0.63	9.049	0.523	0.000	6.27	0.00
117.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.049	0.523	0.000	1.97	9.84
118.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.071	0.527	0.000	0.00	1.00
118.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.071	0.527	0.000	1.98	4.10
118.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.071	0.527	0.000	0.00	0.30
118.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.071	0.527	0.000	0.00	7.30
118.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.071	0.527	0.000	0.00	0.27
118.0	(4) #18 Dywidag bars	Yes	1.00	1.078	7.00	0.58	0.63	9.071	0.527	0.000	6.27	0.00
118.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.071	0.527	0.000	1.98	9.84
119.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.093	0.531	0.000	0.00	1.00
119.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.093	0.531	0.000	1.98	4.10
119.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.093	0.531	0.000	0.00	0.30
119.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.093	0.531	0.000	0.00	7.30
119.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.093	0.531	0.000	0.00	0.27
119.0	(4) #18 Dywidag bars	Yes	1.00	1.077	7.00	0.58	0.63	9.093	0.531	0.000	6.28	0.00
119.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.093	0.531	0.000	1.98	9.84
120.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.115	0.535	0.000	0.00	1.00
120.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.115	0.535	0.000	1.99	4.10
120.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.115	0.535	0.000	0.00	0.30
120.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.115	0.535	0.000	0.00	7.30
120.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.115	0.535	0.000	0.00	0.27
120.0	(4) #18 Dywidag bars	Yes	1.00	1.075	7.00	0.58	0.63	9.115	0.535	0.000	6.29	0.00
120.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.115	0.535	0.000	1.99	9.84
121.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.136	0.539	0.000	0.00	1.00
121.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.136	0.539	0.000	1.99	4.10
121.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.136	0.539	0.000	0.00	0.30
121.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.136	0.539	0.000	0.00	7.30
121.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.136	0.539	0.000	0.00	0.27
121.0	(4) #18 Dywidag bars	Yes	1.00	1.074	7.00	0.58	0.63	9.136	0.539	0.000	6.30	0.00
121.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.136	0.539	0.000	1.99	9.84
122.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.158	0.544	0.000	0.00	1.00
122.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.158	0.544	0.000	1.99	4.10
122.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.158	0.544	0.000	0.00	0.30
122.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.158	0.544	0.000	0.00	7.30
122.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.158	0.544	0.000	0.00	0.27
122.0	(4) #18 Dywidag bars	Yes	1.00	1.073	7.00	0.58	0.63	9.158	0.544	0.000	6.30	0.00
122.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.158	0.544	0.000	1.99	9.84
123.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.179	0.548	0.000	0.00	1.00
123.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.179	0.548	0.000	2.00	4.10
123.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.179	0.548	0.000	0.00	0.30

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 120



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case: 1.0D + 1.0W**      **60.00 mph Serviceability**      **30 Iterations**

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.00

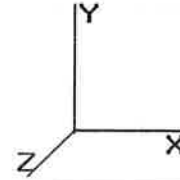
Wind Load Factor : 1.00

123.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.179	0.548	0.000	0.00	7.30
123.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.179	0.548	0.000	0.00	0.27
123.0	(4) #18 Dywidag bars	Yes	1.00	1.071	7.00	0.58	0.63	9.179	0.548	0.000	6.31	0.00
123.0	(12) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.179	0.548	0.000	2.00	9.84
124.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.201	0.302	0.000	0.00	1.00
124.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.201	0.302	0.000	2.00	4.10
124.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.201	0.302	0.000	4.05	5.74
124.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.201	0.302	0.000	0.00	0.30
124.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.201	0.302	0.000	0.00	7.30
124.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.201	0.302	0.000	0.00	0.27
125.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.222	0.304	0.000	0.00	1.00
125.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.222	0.304	0.000	2.01	4.10
125.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.222	0.304	0.000	4.06	5.74
125.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.222	0.304	0.000	0.00	0.30
125.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.222	0.304	0.000	0.00	7.30
125.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.222	0.304	0.000	0.00	0.27
126.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.243	0.307	0.000	0.00	1.00
126.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.243	0.307	0.000	2.01	4.10
126.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.243	0.307	0.000	4.07	5.74
126.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.243	0.307	0.000	0.00	0.30
126.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.243	0.307	0.000	0.00	7.30
126.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.243	0.307	0.000	0.00	0.27
127.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.264	0.309	0.000	0.00	1.00
127.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.264	0.309	0.000	2.02	4.10
127.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.264	0.309	0.000	4.08	5.74
127.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.264	0.309	0.000	0.00	0.30
127.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.264	0.309	0.000	0.00	7.30
127.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.264	0.309	0.000	0.00	0.27
128.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.284	0.312	0.000	0.00	1.00
128.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.284	0.312	0.000	2.02	4.10
128.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.284	0.312	0.000	4.09	5.74
128.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.284	0.312	0.000	0.00	0.30
128.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.284	0.312	0.000	0.00	7.30
128.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.284	0.312	0.000	0.00	0.27
129.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.305	0.314	0.000	0.00	1.00
129.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.305	0.314	0.000	2.03	4.10
129.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.305	0.314	0.000	4.09	5.74
129.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.305	0.314	0.000	0.00	0.30
129.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.305	0.314	0.000	0.00	7.30
129.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.305	0.314	0.000	0.00	0.27
130.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.326	0.317	0.000	0.00	1.00
130.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.326	0.317	0.000	2.03	4.10
130.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.326	0.317	0.000	4.10	5.74
130.0	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.326	0.317	0.000	0.00	0.30
130.0	(2) 2" Conduit	Yes	1.00	0.000	0.00	0.00	0.00	9.326	0.317	0.000	0.00	7.30
130.0	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	9.326	0.317	0.000	0.00	0.27
131.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.346	0.320	0.000	0.00	1.00
131.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.346	0.320	0.000	2.04	4.10
131.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.346	0.320	0.000	4.11	5.74
132.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.366	0.323	0.000	0.00	1.00
132.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.366	0.323	0.000	2.04	4.10
132.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.366	0.323	0.000	4.12	5.74
133.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.387	0.326	0.000	0.00	1.00
133.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.387	0.326	0.000	2.04	4.10
133.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.387	0.326	0.000	4.13	5.74
134.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.407	0.328	0.000	0.00	1.00
134.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.407	0.328	0.000	2.05	4.10

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 121



© 2007 - 2015 by ATC IP LLC. All rights reserved.

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

60.00 mph Serviceability

30 Iterations

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

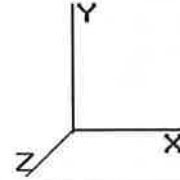
Wind Importance Factor : 1.00

134.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.407	0.328	0.000	4.14	5.74
135.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.427	0.331	0.000	0.00	1.00
135.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.427	0.331	0.000	2.05	4.10
135.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.427	0.331	0.000	4.15	5.74
136.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.447	0.334	0.000	0.00	1.00
136.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.447	0.334	0.000	2.06	4.10
136.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.447	0.334	0.000	4.16	5.74
137.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.466	0.337	0.000	0.00	1.00
137.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.466	0.337	0.000	2.06	4.10
137.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.466	0.337	0.000	4.17	5.74
138.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.486	0.341	0.000	0.00	1.00
138.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.486	0.341	0.000	2.07	4.10
138.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.486	0.341	0.000	4.17	5.74
139.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.506	0.344	0.000	0.00	1.00
139.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.506	0.344	0.000	2.07	4.10
139.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.506	0.344	0.000	4.18	5.74
140.0	(1) 1 1/4" Hybriflex	Yes	1.00	0.000	0.00	0.00	0.00	9.525	0.347	0.000	0.00	1.00
140.0	(5) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	9.525	0.347	0.000	2.07	4.10
140.0	(7) 1 5/8" Coax	Yes	1.00	1.200	4.00	0.33	0.40	9.525	0.347	0.000	4.19	5.74
<b>Totals:</b>											<b>1,186.53</b>	<b>3,050.28</b>

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 122



© 2007 - 2015 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	30 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**

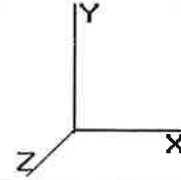
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	33.42	308.64	0.00	0.00
2.00	33.31	308.00	0.00	0.00
3.00	33.20	368.60	0.00	0.00
4.00	33.09	367.95	0.00	0.00
5.00	32.99	367.31	0.00	0.00
6.00	32.88	366.67	0.00	0.00
7.00	32.77	366.02	0.00	0.00
8.00	32.66	365.38	0.00	0.00
9.00	32.55	364.73	0.00	0.00
10.00	32.44	364.09	0.00	0.00
11.00	32.33	363.45	0.00	0.00
12.00	32.22	362.80	0.00	0.00
13.00	32.11	362.16	0.00	0.00
14.00	32.00	361.51	0.00	0.00
15.00	31.89	360.87	0.00	0.00
16.00	31.78	360.23	0.00	0.00
17.00	31.67	359.58	0.00	0.00
18.00	31.56	358.94	0.00	0.00
19.00	31.45	297.05	0.00	0.00
20.00	31.34	296.41	0.00	0.00
21.00	31.24	295.77	0.00	0.00
22.00	31.13	295.12	0.00	0.00
23.00	31.02	294.48	0.00	0.00
24.00	30.91	293.83	0.00	0.00
25.00	30.80	293.19	0.00	0.00
26.00	30.69	292.55	0.00	0.00
27.00	30.58	291.90	0.00	0.00
28.00	30.47	291.26	0.00	0.00
29.00	30.36	290.61	0.00	0.00
30.00	30.28	289.97	0.00	0.00
31.00	30.45	289.33	0.00	0.00
31.50	15.36	145.38	0.00	0.00
32.00	15.41	199.03	0.00	0.00
33.00	31.22	399.84	0.00	0.00
34.00	31.38	398.66	0.00	0.00
35.00	31.52	397.48	0.00	0.00
35.67	21.17	265.65	0.00	0.00
36.00	10.44	88.09	0.00	0.00
37.00	31.80	266.57	0.00	0.00
38.00	31.92	266.03	0.00	0.00
39.00	32.04	265.50	0.00	0.00
40.00	32.16	264.96	0.00	0.00
41.00	32.26	264.42	0.00	0.00
42.00	32.37	263.88	0.00	0.00
43.00	32.46	263.35	0.00	0.00
44.00	32.56	262.81	0.00	0.00
45.00	32.64	262.27	0.00	0.00
46.00	32.72	261.73	0.00	0.00
47.00	32.80	261.20	0.00	0.00



Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 123



© 2007 - 2015 by ATC IP LLC. All rights reserved.

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

60.00 mph Serviceability

30 Iterations

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

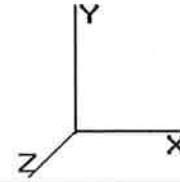
Wind Importance Factor : 1.00

48.00	32.87	260.66	0.00	0.00
49.00	32.94	260.12	0.00	0.00
50.00	33.01	259.58	0.00	0.00
51.00	33.07	259.05	0.00	0.00
52.00	33.12	258.51	0.00	0.00
53.00	33.17	257.97	0.00	0.00
54.00	33.22	257.43	0.00	0.00
55.00	33.27	256.90	0.00	0.00
56.00	33.30	256.36	0.00	0.00
57.00	33.33	255.82	0.00	0.00
58.00	33.35	255.28	0.00	0.00
59.00	33.36	254.75	0.00	0.00
60.00	33.38	199.81	0.00	0.00
61.00	33.39	199.27	0.00	0.00
62.00	33.39	198.73	0.00	0.00
63.00	33.40	198.20	0.00	0.00
64.00	33.40	197.66	0.00	0.00
65.00	33.40	197.12	0.00	0.00
66.00	33.40	196.59	0.00	0.00
67.00	33.39	196.05	0.00	0.00
68.00	33.38	195.51	0.00	0.00
69.00	206.91	320.97	0.00	173.54
70.00	33.36	194.36	0.00	0.00
70.00	0.11	0.65	0.00	0.00
71.00	33.67	267.45	0.00	0.00
72.00	33.77	267.38	0.00	0.00
73.00	33.75	266.42	0.00	0.00
73.50	16.96	133.73	0.00	0.00
74.00	16.73	87.20	0.00	0.00
75.00	33.70	175.25	0.00	0.00
76.00	33.68	174.82	0.00	0.00
77.00	33.65	174.39	0.00	0.00
78.00	33.62	173.96	0.00	0.00
79.00	33.59	173.53	0.00	0.00
80.00	33.55	173.10	0.00	0.00
81.00	33.51	172.67	0.00	0.00
82.00	33.48	172.25	0.00	0.00
83.00	33.44	171.82	0.00	0.00
84.00	33.39	171.39	0.00	0.00
85.00	33.35	170.96	0.00	0.00
86.00	33.30	170.53	0.00	0.00
87.00	33.25	170.10	0.00	0.00
88.00	33.20	169.67	0.00	0.00
89.00	33.15	169.24	0.00	0.00
90.00	33.10	168.81	0.00	0.00
91.00	33.04	168.38	0.00	0.00
92.00	32.99	167.95	0.00	0.00
93.00	83.27	384.52	0.00	0.00
94.00	32.87	166.76	0.00	0.00
95.00	32.81	166.34	0.00	0.00
96.00	32.74	165.91	0.00	0.00
97.00	32.68	165.48	0.00	0.00
98.00	32.61	165.05	0.00	0.00
99.00	32.54	164.62	0.00	0.00
100.0	32.47	164.19	0.00	0.00
101.0	32.40	163.76	0.00	0.00
102.0	32.33	163.33	0.00	0.00

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 124



© 2007 - 2015 by ATC IP LLC. All rights reserved.

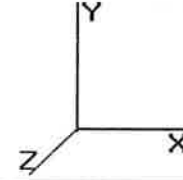
**Load Case:** 1.0D + 1.0W      60.00 mph Serviceability      30 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.00  
 Wind Load Factor : 1.00

103.0	111.92	396.90	0.00	0.00
104.0	32.18	161.81	0.00	0.00
105.0	32.10	161.38	0.00	0.00
106.0	32.03	160.95	0.00	0.00
107.0	31.95	160.52	0.00	0.00
108.0	31.86	160.10	0.00	0.00
109.0	31.78	159.67	0.00	0.00
110.0	31.70	159.24	0.00	0.00
110.0	0.11	0.53	0.00	0.00
111.0	31.51	144.23	0.00	0.00
112.0	31.53	144.39	0.00	0.00
113.0	585.86	1,304.46	0.00	0.00
114.0	31.35	134.88	0.00	0.00
115.0	31.26	134.56	0.00	0.00
116.0	31.17	134.24	0.00	0.00
117.0	31.08	133.91	0.00	0.00
118.0	30.98	133.59	0.00	0.00
119.0	30.89	133.27	0.00	0.00
120.0	30.79	78.55	0.00	0.00
121.0	30.69	78.22	0.00	0.00
122.0	30.60	77.90	0.00	0.00
123.0	30.50	77.58	0.00	0.00
124.0	26.12	73.16	0.00	0.00
125.0	26.02	72.83	0.00	0.00
126.0	25.91	72.51	0.00	0.00
127.0	25.80	72.19	0.00	0.00
128.0	25.70	71.86	0.00	0.00
129.0	25.59	71.54	0.00	0.00
130.0	307.95	915.82	0.00	0.00
131.0	25.37	63.03	0.00	0.00
132.0	25.25	62.70	0.00	0.00
133.0	25.14	62.38	0.00	0.00
134.0	25.03	62.06	0.00	0.00
135.0	24.91	61.73	0.00	0.00
136.0	24.80	61.41	0.00	0.00
137.0	24.68	61.09	0.00	0.00
138.0	24.56	60.77	0.00	0.00
139.0	24.44	60.44	0.00	0.00
140.0	443.70	1,336.62	0.00	0.00
141.0	14.94	48.96	0.00	0.00
142.0	14.82	48.64	0.00	0.00
143.0	14.71	48.31	0.00	0.00
144.0	14.60	47.99	0.00	0.00
145.0	14.48	47.67	0.00	0.00
146.0	14.37	47.35	0.00	0.00
147.0	14.25	47.02	0.00	0.00
148.0	14.14	46.70	0.00	0.00
149.0	14.02	46.38	0.00	0.00
150.0	820.23	3,281.75	0.00	1,316.49
<b>Totals:</b>	<b>6,924.72</b>	<b>37,597.36</b>	<b>0.00</b>	<b>1,490.02</b>

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 125



© 2007 - 2015 by ATC IP LLC. All rights reserved.

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

60.00 mph Serviceability

30 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

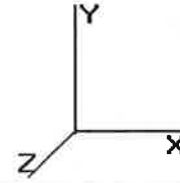
**Calculated Forces**

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	-37.60	-6.93	0.00	-653.44	0.00	653.44	3,133.66	1,566.83	4,776.46	2,358.91	0.00	0.00	0.136
1.00	-37.29	-6.90	0.00	-646.51	0.00	646.51	3,125.28	1,562.64	4,743.31	2,342.54	0.00	-0.01	0.135
2.00	-36.98	-6.87	0.00	-639.61	0.00	639.61	3,116.86	1,558.43	4,710.21	2,326.20	0.00	-0.02	0.134
3.00	-36.61	-6.85	0.00	-632.74	0.00	632.74	3,108.40	1,554.20	4,677.16	2,309.87	0.01	-0.03	0.111
4.00	-36.24	-6.82	0.00	-625.89	0.00	625.89	3,099.89	1,549.95	4,644.15	2,293.57	0.02	-0.04	0.110
5.00	-35.87	-6.79	0.00	-619.08	0.00	619.08	3,091.35	1,545.67	4,611.19	2,277.30	0.03	-0.05	0.109
6.00	-35.50	-6.76	0.00	-612.29	0.00	612.29	3,082.76	1,541.38	4,578.29	2,261.04	0.04	-0.06	0.108
7.00	-35.14	-6.74	0.00	-605.52	0.00	605.52	3,074.13	1,537.07	4,545.43	2,244.82	0.05	-0.07	0.108
8.00	-34.77	-6.71	0.00	-598.79	0.00	598.79	3,065.46	1,532.73	4,512.63	2,228.62	0.07	-0.08	0.107
9.00	-34.40	-6.68	0.00	-592.08	0.00	592.08	3,056.75	1,528.37	4,479.87	2,212.44	0.09	-0.09	0.106
10.00	-34.04	-6.65	0.00	-585.40	0.00	585.40	3,047.99	1,524.00	4,447.17	2,196.29	0.11	-0.10	0.105
11.00	-33.67	-6.62	0.00	-578.75	0.00	578.75	3,039.20	1,519.60	4,414.53	2,180.17	0.13	-0.11	0.104
12.00	-33.31	-6.60	0.00	-572.12	0.00	572.12	3,030.36	1,515.18	4,381.94	2,164.07	0.15	-0.12	0.103
13.00	-32.95	-6.57	0.00	-565.53	0.00	565.53	3,021.48	1,510.74	4,349.40	2,148.01	0.18	-0.12	0.103
14.00	-32.58	-6.54	0.00	-558.96	0.00	558.96	3,012.56	1,506.28	4,316.92	2,131.97	0.20	-0.13	0.102
15.00	-32.22	-6.51	0.00	-552.41	0.00	552.41	3,003.60	1,501.80	4,284.50	2,115.95	0.23	-0.14	0.101
16.00	-31.86	-6.49	0.00	-545.90	0.00	545.90	2,994.60	1,497.30	4,252.13	2,099.97	0.26	-0.15	0.100
17.00	-31.50	-6.46	0.00	-539.41	0.00	539.41	2,985.55	1,492.78	4,219.83	2,084.01	0.30	-0.16	0.099
18.00	-31.14	-6.43	0.00	-532.96	0.00	532.96	2,976.47	1,488.23	4,187.58	2,068.09	0.33	-0.17	0.098
19.00	-30.84	-6.40	0.00	-526.53	0.00	526.53	2,967.34	1,483.67	4,155.39	2,052.19	0.37	-0.18	0.118
20.00	-30.55	-6.38	0.00	-520.12	0.00	520.12	2,958.17	1,479.08	4,123.27	2,036.33	0.41	-0.19	0.117
21.00	-30.25	-6.35	0.00	-513.75	0.00	513.75	2,948.96	1,474.48	4,091.20	2,020.49	0.45	-0.20	0.116
22.00	-29.95	-6.32	0.00	-507.39	0.00	507.39	2,939.70	1,469.85	4,059.20	2,004.69	0.49	-0.21	0.115
23.00	-29.66	-6.30	0.00	-501.07	0.00	501.07	2,930.41	1,465.20	4,027.26	1,988.91	0.53	-0.22	0.114
24.00	-29.36	-6.27	0.00	-494.77	0.00	494.77	2,921.07	1,460.54	3,995.39	1,973.17	0.58	-0.23	0.113
25.00	-29.07	-6.24	0.00	-488.50	0.00	488.50	2,911.70	1,455.85	3,963.58	1,957.46	0.63	-0.24	0.112
26.00	-28.77	-6.22	0.00	-482.26	0.00	482.26	2,902.28	1,451.14	3,931.84	1,941.79	0.68	-0.25	0.111
27.00	-28.48	-6.19	0.00	-476.04	0.00	476.04	2,892.81	1,446.41	3,900.17	1,926.14	0.74	-0.26	0.110
28.00	-28.19	-6.16	0.00	-469.85	0.00	469.85	2,883.31	1,441.66	3,868.56	1,910.54	0.79	-0.27	0.109
29.00	-27.90	-6.14	0.00	-463.69	0.00	463.69	2,873.77	1,436.88	3,837.02	1,894.96	0.85	-0.28	0.108
30.00	-27.61	-6.11	0.00	-457.55	0.00	457.55	2,864.18	1,432.09	3,805.55	1,879.42	0.91	-0.29	0.107
31.00	-27.32	-6.08	0.00	-451.44	0.00	451.44	2,854.56	1,427.28	3,774.15	1,863.91	0.98	-0.30	0.106
31.50	-27.17	-6.07	0.00	-448.38	0.00	448.38	2,849.69	1,424.85	3,758.37	1,856.12	1.01	-0.31	0.105
32.00	-26.97	-6.06	0.00	-445.37	0.00	445.37	2,844.89	1,422.44	3,742.82	1,848.44	1.04	-0.31	0.103
33.00	-26.57	-6.03	0.00	-439.31	0.00	439.31	2,833.37	1,416.69	3,709.20	1,831.83	1.11	-0.32	0.102
34.00	-26.17	-6.00	0.00	-433.28	0.00	433.28	2,819.42	1,409.71	3,672.56	1,813.74	1.18	-0.33	0.101
35.00	-25.77	-5.97	0.00	-427.29	0.00	427.29	2,805.48	1,402.74	3,636.10	1,795.73	1.25	-0.35	0.100
35.67	-25.51	-5.95	0.00	-423.29	0.00	423.29	2,236.04	1,118.02	2,957.95	1,460.82	1.30	-0.35	0.114
36.00	-25.42	-5.94	0.00	-421.32	0.00	421.32	2,233.84	1,116.92	2,950.23	1,457.01	1.32	-0.36	0.113
37.00	-25.15	-5.91	0.00	-415.38	0.00	415.38	2,227.15	1,113.58	2,926.88	1,445.48	1.40	-0.37	0.112
38.00	-24.88	-5.88	0.00	-409.47	0.00	409.47	2,220.42	1,110.21	2,903.56	1,433.96	1.48	-0.38	0.111
39.00	-24.62	-5.85	0.00	-403.59	0.00	403.59	2,213.65	1,106.83	2,880.28	1,422.46	1.56	-0.39	0.110
40.00	-24.35	-5.82	0.00	-397.74	0.00	397.74	2,206.84	1,103.42	2,857.02	1,410.98	1.64	-0.40	0.108
41.00	-24.09	-5.79	0.00	-391.92	0.00	391.92	2,199.98	1,099.99	2,833.81	1,399.51	1.72	-0.41	0.107
42.00	-23.82	-5.76	0.00	-386.13	0.00	386.13	2,193.09	1,096.54	2,810.63	1,388.06	1.81	-0.42	0.106
43.00	-23.56	-5.73	0.00	-380.36	0.00	380.36	2,186.15	1,093.07	2,787.48	1,376.63	1.90	-0.43	0.105
44.00	-23.29	-5.70	0.00	-374.63	0.00	374.63	2,179.17	1,089.58	2,764.38	1,365.22	1.99	-0.44	0.104
45.00	-23.03	-5.67	0.00	-368.93	0.00	368.93	2,172.15	1,086.07	2,741.31	1,353.83	2.08	-0.45	0.102
46.00	-22.77	-5.64	0.00	-363.26	0.00	363.26	2,165.08	1,082.54	2,718.28	1,342.46	2.18	-0.46	0.101
47.00	-22.51	-5.61	0.00	-357.62	0.00	357.62	2,157.98	1,078.99	2,695.29	1,331.10	2.27	-0.47	0.100

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 126



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Load Case:** 1.0D + 1.0W      60.00 mph Serviceability      30 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.00

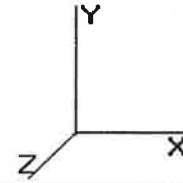
Wind Load Factor : 1.00

48.00	-22.25	-5.58	0.00	-352.01	0.00	352.01	2,150.84	1,075.42	2,672.35	1,319.77	2.37	-0.48	0.099
49.00	-21.98	-5.55	0.00	-346.43	0.00	346.43	2,143.65	1,071.82	2,649.44	1,308.46	2.47	-0.49	0.098
50.00	-21.72	-5.52	0.00	-340.88	0.00	340.88	2,136.42	1,068.21	2,626.58	1,297.17	2.58	-0.50	0.096
51.00	-21.46	-5.48	0.00	-335.37	0.00	335.37	2,129.15	1,064.57	2,603.76	1,285.90	2.68	-0.51	0.095
52.00	-21.21	-5.45	0.00	-329.89	0.00	329.89	2,121.84	1,060.92	2,580.99	1,274.65	2.79	-0.52	0.094
53.00	-20.95	-5.42	0.00	-324.43	0.00	324.43	2,114.48	1,057.24	2,558.26	1,263.43	2.90	-0.53	0.093
54.00	-20.69	-5.39	0.00	-319.01	0.00	319.01	2,107.09	1,053.54	2,535.57	1,252.22	3.01	-0.54	0.091
55.00	-20.43	-5.36	0.00	-313.63	0.00	313.63	2,099.65	1,049.82	2,512.93	1,241.04	3.12	-0.55	0.090
56.00	-20.17	-5.32	0.00	-308.27	0.00	308.27	2,092.17	1,046.09	2,490.35	1,229.89	3.24	-0.55	0.089
57.00	-19.92	-5.29	0.00	-302.95	0.00	302.95	2,084.65	1,042.33	2,467.80	1,218.76	3.36	-0.56	0.088
58.00	-19.66	-5.26	0.00	-297.66	0.00	297.66	2,077.09	1,038.54	2,445.31	1,207.65	3.47	-0.57	0.087
59.00	-19.41	-5.23	0.00	-292.40	0.00	292.40	2,069.49	1,034.74	2,422.87	1,196.56	3.60	-0.58	0.085
59.00	-19.41	-5.23	0.00	-292.40	0.00	292.40	2,069.49	1,034.74	2,422.87	1,196.56	3.60	-0.58	0.119
60.00	-19.21	-5.19	0.00	-287.18	0.00	287.18	2,061.84	1,030.92	2,400.48	1,185.51	3.72	-0.59	0.117
61.00	-19.01	-5.16	0.00	-281.98	0.00	281.98	2,054.15	1,027.08	2,378.14	1,174.47	3.84	-0.60	0.116
62.00	-18.81	-5.13	0.00	-276.82	0.00	276.82	2,046.43	1,023.21	2,355.85	1,163.47	3.97	-0.62	0.114
63.00	-18.61	-5.10	0.00	-271.69	0.00	271.69	2,038.66	1,019.33	2,333.61	1,152.48	4.10	-0.63	0.113
64.00	-18.41	-5.07	0.00	-266.59	0.00	266.59	2,030.85	1,015.42	2,311.43	1,141.53	4.24	-0.64	0.111
65.00	-18.21	-5.04	0.00	-261.52	0.00	261.52	2,022.99	1,011.50	2,289.31	1,130.60	4.37	-0.66	0.109
66.00	-18.01	-5.00	0.00	-256.49	0.00	256.49	2,015.10	1,007.55	2,267.24	1,119.70	4.51	-0.67	0.108
67.00	-17.82	-4.97	0.00	-251.48	0.00	251.48	2,007.16	1,003.58	2,245.22	1,108.83	4.65	-0.68	0.106
68.00	-17.62	-4.94	0.00	-246.51	0.00	246.51	1,999.18	999.59	2,223.27	1,097.99	4.80	-0.69	0.105
69.00	-17.30	-4.73	0.00	-241.40	0.00	241.40	1,991.17	995.58	2,201.37	1,087.17	4.94	-0.70	0.103
70.00	-17.11	-4.70	0.00	-236.66	0.00	236.66	1,983.10	991.55	2,179.53	1,076.39	5.09	-0.72	0.101
70.00	-17.11	-4.70	0.00	-236.65	0.00	236.65	1,983.08	991.54	2,179.46	1,076.35	5.09	-0.72	0.101
71.00	-16.84	-4.67	0.00	-231.96	0.00	231.96	1,973.67	986.83	2,156.29	1,064.91	5.24	-0.73	0.099
72.00	-16.57	-4.63	0.00	-227.30	0.00	227.30	1,962.03	981.01	2,130.78	1,052.31	5.40	-0.74	0.097
73.00	-16.30	-4.60	0.00	-222.66	0.00	222.66	1,950.39	975.19	2,105.42	1,039.79	5.55	-0.75	0.096
73.50	-16.17	-4.58	0.00	-220.35	0.00	220.35	1,462.66	731.33	1,612.14	796.18	5.63	-0.76	0.112
74.00	-16.08	-4.57	0.00	-218.07	0.00	218.07	1,460.16	730.08	1,604.66	792.48	5.71	-0.76	0.111
75.00	-15.91	-4.53	0.00	-213.51	0.00	213.51	1,455.09	727.55	1,589.60	785.05	5.87	-0.77	0.110
76.00	-15.73	-4.50	0.00	-208.97	0.00	208.97	1,449.99	724.99	1,574.57	777.62	6.04	-0.79	0.108
77.00	-15.56	-4.47	0.00	-204.47	0.00	204.47	1,444.84	722.42	1,559.56	770.21	6.20	-0.80	0.106
78.00	-15.38	-4.43	0.00	-200.00	0.00	200.00	1,439.65	719.82	1,544.57	762.81	6.37	-0.81	0.104
79.00	-15.21	-4.40	0.00	-195.57	0.00	195.57	1,434.42	717.21	1,529.61	755.42	6.54	-0.82	0.102
80.00	-15.04	-4.37	0.00	-191.17	0.00	191.17	1,429.14	714.57	1,514.67	748.04	6.72	-0.83	0.100
81.00	-14.86	-4.34	0.00	-186.80	0.00	186.80	1,423.83	711.91	1,499.76	740.67	6.89	-0.84	0.098
82.00	-14.69	-4.30	0.00	-182.46	0.00	182.46	1,418.47	709.24	1,484.87	733.32	7.07	-0.86	0.096
83.00	-14.52	-4.27	0.00	-178.16	0.00	178.16	1,413.07	706.54	1,470.00	725.98	7.25	-0.87	0.094
84.00	-14.35	-4.24	0.00	-173.89	0.00	173.89	1,407.64	703.82	1,455.17	718.65	7.43	-0.88	0.092
85.00	-14.17	-4.20	0.00	-169.66	0.00	169.66	1,402.15	701.08	1,440.36	711.34	7.62	-0.89	0.091
86.00	-14.00	-4.17	0.00	-165.45	0.00	165.45	1,396.63	698.32	1,425.58	704.04	7.80	-0.90	0.089
87.00	-13.83	-4.14	0.00	-161.28	0.00	161.28	1,391.07	695.53	1,410.84	696.76	7.99	-0.91	0.087
88.00	-13.66	-4.10	0.00	-157.15	0.00	157.15	1,385.46	692.73	1,396.12	689.49	8.19	-0.92	0.085
89.00	-13.49	-4.07	0.00	-153.04	0.00	153.04	1,379.82	689.91	1,381.43	682.24	8.38	-0.93	0.083
90.00	-13.33	-4.04	0.00	-148.98	0.00	148.98	1,374.13	687.06	1,366.78	675.00	8.58	-0.94	0.081
91.00	-13.16	-4.00	0.00	-144.94	0.00	144.94	1,368.40	684.20	1,352.16	667.78	8.77	-0.95	0.079
92.00	-12.99	-3.97	0.00	-140.94	0.00	140.94	1,362.62	681.31	1,337.57	660.58	8.97	-0.96	0.078
93.00	-12.60	-3.88	0.00	-136.97	0.00	136.97	1,356.81	678.41	1,323.02	653.39	9.18	-0.97	0.076
94.00	-12.44	-3.85	0.00	-133.09	0.00	133.09	1,350.95	675.48	1,308.50	646.22	9.38	-0.98	0.074
95.00	-12.27	-3.81	0.00	-129.24	0.00	129.24	1,345.06	672.53	1,294.02	639.07	9.59	-0.99	0.072
96.00	-12.11	-3.78	0.00	-125.43	0.00	125.43	1,339.12	669.56	1,279.58	631.94	9.79	-1.00	0.070
97.00	-11.94	-3.75	0.00	-121.65	0.00	121.65	1,333.14	666.57	1,265.17	624.82	10.00	-1.01	0.068
98.00	-11.78	-3.71	0.00	-117.90	0.00	117.90	1,327.12	663.56	1,250.81	617.73	10.22	-1.01	0.067
99.00	-11.61	-3.68	0.00	-114.19	0.00	114.19	1,321.05	660.53	1,236.48	610.65	10.43	-1.02	0.065
100.00	-11.45	-3.65	0.00	-110.51	0.00	110.51	1,314.95	657.47	1,222.19	603.60	10.64	-1.03	0.063
101.00	-11.28	-3.61	0.00	-106.86	0.00	106.86	1,308.80	654.40	1,207.95	596.56	10.86	-1.04	0.061

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 127



© 2007 - 2015 by ATC IP LLC. All rights reserved.

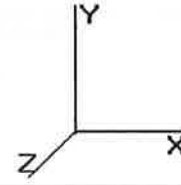
**Load Case:** 1.0D + 1.0W      **60.00 mph Serviceability**      **30 Iterations**  
**Gust Response Factor :** 1.10      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 1.00  
**Wind Load Factor :** 1.00

102.00	-11.12	-3.58	0.00	-103.25	0.00	103.25	1,302.62	651.31	1,193.75	589.55	11.08	-1.05	0.059
103.00	-10.72	-3.46	0.00	-99.67	0.00	99.67	1,296.39	648.19	1,179.59	582.55	11.30	-1.06	0.057
104.00	-10.56	-3.43	0.00	-96.21	0.00	96.21	1,290.11	645.06	1,165.47	575.58	11.52	-1.06	0.056
105.00	-10.40	-3.39	0.00	-92.79	0.00	92.79	1,283.80	641.90	1,151.40	568.63	11.75	-1.07	0.054
106.00	-10.24	-3.36	0.00	-89.39	0.00	89.39	1,277.45	638.72	1,137.37	561.70	11.97	-1.08	0.052
107.00	-10.08	-3.33	0.00	-86.04	0.00	86.04	1,271.05	635.53	1,123.39	554.80	12.20	-1.09	0.051
108.00	-9.92	-3.29	0.00	-82.71	0.00	82.71	1,264.61	632.31	1,109.46	547.92	12.43	-1.09	0.049
109.00	-9.76	-3.26	0.00	-79.42	0.00	79.42	1,258.17	629.10	1,095.54	541.07	12.66	-1.10	0.047
110.00	-9.60	-3.22	0.00	-76.16	0.00	76.16	1,247.19	623.60	1,077.91	532.34	12.89	-1.11	0.046
110.00	-9.60	-3.22	0.00	-76.15	0.00	76.15	1,247.16	623.58	1,077.86	532.31	12.89	-1.11	0.046
110.00	-9.60	-3.22	0.00	-76.15	0.00	76.15	849.80	424.90	738.78	364.86	12.89	-1.11	0.055
111.00	-9.46	-3.19	0.00	-72.94	0.00	72.94	846.28	423.14	730.22	360.63	13.12	-1.11	0.053
112.00	-9.31	-3.16	0.00	-69.75	0.00	69.75	842.69	421.35	721.63	356.39	13.36	-1.12	0.051
113.00	-8.02	-2.55	0.00	-66.59	0.00	66.59	839.07	419.54	713.06	352.15	13.59	-1.13	0.048
114.00	-7.89	-2.51	0.00	-64.04	0.00	64.04	835.41	417.70	704.50	347.92	13.83	-1.13	0.046
115.00	-7.75	-2.48	0.00	-61.53	0.00	61.53	831.70	415.85	695.95	343.70	14.07	-1.14	0.045
116.00	-7.62	-2.45	0.00	-59.04	0.00	59.04	827.95	413.98	687.42	339.49	14.31	-1.15	0.043
117.00	-7.48	-2.42	0.00	-56.60	0.00	56.60	824.16	412.08	678.90	335.28	14.55	-1.15	0.041
118.00	-7.35	-2.38	0.00	-54.18	0.00	54.18	820.33	410.17	670.39	331.08	14.79	-1.16	0.040
119.00	-7.22	-2.35	0.00	-51.80	0.00	51.80	816.46	408.23	661.91	326.89	15.03	-1.16	0.038
119.00	-7.22	-2.35	0.00	-51.80	0.00	51.80	816.46	408.23	661.91	326.89	15.03	-1.16	0.167
120.00	-7.14	-2.32	0.00	-49.45	0.00	49.45	812.54	406.27	653.43	322.71	15.28	-1.17	0.162
121.00	-7.06	-2.29	0.00	-47.13	0.00	47.13	808.59	404.29	644.98	318.53	15.52	-1.19	0.157
122.00	-6.98	-2.26	0.00	-44.84	0.00	44.84	804.59	402.30	636.55	314.37	15.78	-1.21	0.151
123.00	-6.91	-2.23	0.00	-42.58	0.00	42.58	800.55	400.28	628.13	310.21	16.03	-1.24	0.146
124.00	-6.83	-2.21	0.00	-40.35	0.00	40.35	796.47	398.24	619.74	306.07	16.29	-1.26	0.140
125.00	-6.76	-2.18	0.00	-38.14	0.00	38.14	792.35	396.17	611.37	301.93	16.56	-1.28	0.135
126.00	-6.69	-2.16	0.00	-35.96	0.00	35.96	788.19	394.09	603.01	297.81	16.83	-1.30	0.129
127.00	-6.61	-2.13	0.00	-33.81	0.00	33.81	783.98	391.99	594.69	293.69	17.11	-1.32	0.124
128.00	-6.54	-2.11	0.00	-31.67	0.00	31.67	779.73	389.87	586.38	289.59	17.39	-1.34	0.118
129.00	-6.47	-2.08	0.00	-29.57	0.00	29.57	775.44	387.72	578.10	285.50	17.67	-1.36	0.112
130.00	-5.56	-1.75	0.00	-27.49	0.00	27.49	771.11	385.56	569.85	281.43	17.95	-1.38	0.105
131.00	-5.50	-1.73	0.00	-25.74	0.00	25.74	766.74	383.37	561.62	277.36	18.25	-1.39	0.100
132.00	-5.44	-1.70	0.00	-24.01	0.00	24.01	762.33	381.16	553.41	273.31	18.54	-1.41	0.095
133.00	-5.37	-1.68	0.00	-22.31	0.00	22.31	757.87	378.94	545.24	269.27	18.84	-1.43	0.090
134.00	-5.31	-1.65	0.00	-20.63	0.00	20.63	753.38	376.69	537.09	265.25	19.14	-1.44	0.085
135.00	-5.25	-1.63	0.00	-18.98	0.00	18.98	748.84	374.42	528.98	261.24	19.44	-1.46	0.080
136.00	-5.19	-1.60	0.00	-17.35	0.00	17.35	744.26	372.13	520.89	257.25	19.75	-1.47	0.074
137.00	-5.13	-1.58	0.00	-15.75	0.00	15.75	739.64	369.82	512.83	253.27	20.06	-1.48	0.069
138.00	-5.07	-1.55	0.00	-14.18	0.00	14.18	734.98	367.49	504.81	249.31	20.37	-1.49	0.064
139.00	-5.01	-1.53	0.00	-12.63	0.00	12.63	730.27	365.14	496.82	245.36	20.68	-1.50	0.058
140.00	-3.68	-1.05	0.00	-11.10	0.00	11.10	725.52	362.76	488.86	241.43	21.00	-1.51	0.051
141.00	-3.64	-1.03	0.00	-10.05	0.00	10.05	720.74	360.37	480.93	237.51	21.31	-1.52	0.047
142.00	-3.59	-1.02	0.00	-9.02	0.00	9.02	715.91	357.95	473.04	233.62	21.63	-1.53	0.044
143.00	-3.54	-1.00	0.00	-8.00	0.00	8.00	709.92	354.96	464.46	229.38	21.96	-1.54	0.040
144.00	-3.49	-0.99	0.00	-7.00	0.00	7.00	702.92	351.46	455.30	224.86	22.28	-1.54	0.036
145.00	-3.44	-0.97	0.00	-6.02	0.00	6.02	695.93	347.97	446.23	220.38	22.60	-1.55	0.032
146.00	-3.40	-0.96	0.00	-5.05	0.00	5.05	688.94	344.47	437.26	215.95	22.93	-1.56	0.028
147.00	-3.35	-0.94	0.00	-4.09	0.00	4.09	681.95	340.97	428.38	211.56	23.25	-1.56	0.024
148.00	-3.30	-0.92	0.00	-3.15	0.00	3.15	674.96	337.48	419.58	207.22	23.58	-1.56	0.020
149.00	-3.26	-0.91	0.00	-2.23	0.00	2.23	667.96	333.98	410.88	202.92	23.91	-1.57	0.016
150.00	0.00	-0.82	0.00	-1.32	0.00	1.32	660.97	330.49	402.27	198.67	24.24	-1.57	0.007

Pole : 302484  
 Location : Branford CT 6, CT  
 Height : 150.0 (ft)  
 Base Dia : 37.38 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

1/26/2015 2:58:14 PM  
 Page: 128



© 2007 - 2015 by ATC IP LLC. All rights reserved.

**Analysis Summary**

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	35.60	0.00	42.96	0.00	0.00	3413.32	119.00	0.87
0.9D + 1.6W	35.59	0.00	34.88	0.00	0.00	3378.99	119.00	0.84
1.2D + 1.0Di + 1.0Wi	6.68	0.00	71.80	0.00	0.00	682.16	119.00	0.20
1.0D + 1.0W	6.93	0.00	37.60	0.00	0.00	653.44	119.00	0.17

**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	119.0	(4) SOL-#18 All Thre	383.5	11.5	16.8	80.5	12.0	7	10	0.0	12.0	0	0	247.3	249.8	0.990
0.00	59.0	(4) SOL-#18 All Thre	216.6	6.5	16.8	147.6	12.0	13	18	0.0	12.0	0	0	218.4	249.8	0.874
2.00	18.0	(2) PL-PL 4" x 1"	139.4	1.7	25.3	140.8	25.3	6	8	154.9	25.3	7	8	156.7	174.4	0.898
2.00	18.0	(2) PL-PL 5" x 1"	174.3	2.1	25.3	176.0	25.3	7	8	193.6	25.3	8	8	195.9	218.0	0.898

Base/Flange Plate	Plate Type	<b>Baseplate</b>
	Pole Diameter	37.38 in
	Pole Thickness	0.375 in
	Plate Length	44.5 in
	Plate Thickness	2.5 in
	Plate Fy	50 ksi
	Weld Length	0.3125 in
	$\phi_s$ Resistance	1151.98 k-in
	Applied	1006.68 k-in
	Stiffeners	#

Code Rev. **G**

Date **1/21/2015**  
 Engineer **DM**  
 Site # **302484**  
 Carrier **Verizon**

Moment **3443.4 k-ft**  
 Axial **42.5 k**

Bolts	#	<b>8</b>
	Bolt Circle (R)adial / (S)quare	44 in S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.375 in
	Type	18J
	Fy	75 ksi
	Fu	100 ksi
	$\phi_s$ Resistance	259.82 k
	Applied	188.15 k

Reinforcement	#	<b>8</b>
	DYW. Circle	44.2 in
	Offset Angle	45°
	Type	#18
	Diameter	2.257 in
Fu	100 ksi	

Extra Bolts O	#	<b>8</b>
	Bolt Circle (R)adial / (S)quare	44 in R
	Offset Angle	22.5°
	Diameter	1.25 in
	Type	18J
	Fy	75 ksi
	Fu	100 ksi
	$\phi_s$ Resistance	77.53 k
Applied	56.19 k	

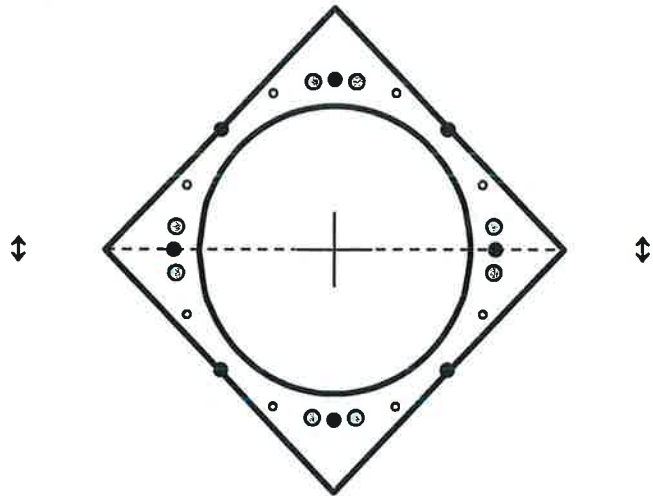


Plate Stress Ratio:  
**0.87** (Pass)

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

Extra Bolt Stress Ratio:  
**0.72** (Pass)

Base/Flange Plate	Plate Type	<b>Flange @ 110.0 ft</b>
	Pole Diameter	21.67 in
	Pole Thickness	0.188 in
	Plate Diameter	28.5 in
	Plate Thickness	1 in
	Plate Fy	60 ksi
	Weld Length	0.3125 in
	$\phi_s$ Resistance Applied	76.59 k-in 24.22 k-in
Stiffeners	#	0

Code Rev. **G**

Date **1/21/2015**  
 Engineer **DM**  
 Site # **302484**  
 Carrier **Verizon**

Moment **418.5 k-ft**  
 Axial **9.3 k**

Required Flange Thickness:  
**0.56 in** OK

Bolts	#	<b>12</b>
	Bolt Circle (R)adial / (S)quare	25.75 in R
	Diameter	2.25 in
	Hole Diameter	2.375 in
	Type	A325
	Fy	92 ksi
	Fu	120 ksi
	$\phi_s$ Resistance Applied	292.29 k 44.85 k
Reinforcement	#	<b>4</b>
	DYW. Circle	26.05 in
	Offset Angle	15°
	Type	#18
	Diameter	2.257 in
Fu	100 ksi	
Extra Bolts	#	0

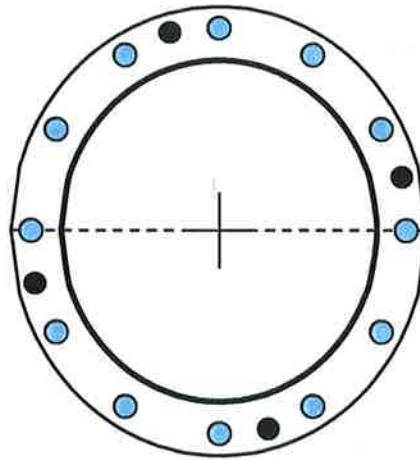


Plate Stress Ratio:  
**0.32** (Pass)

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



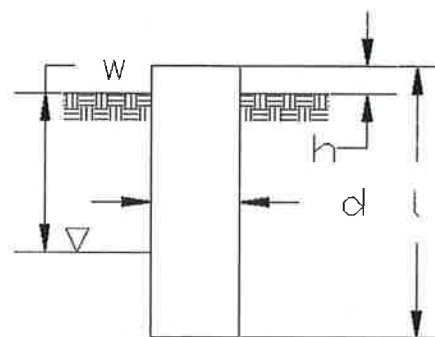
Site Name: Branford CT 6, CT  
 Site Number: 302484  
 Engineer: DM  
 Engineering Number: 58378927  
 Date: 01/21/15

Program Last Updated: 5/13/2014  
 American Tower Corporation

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

Analyze or Design a Foundation? Analyze  
 Foundation Mapped: Y  
 Moment (M): 3443.4 k-ft  
 Shear/Leg (V): 35.6 k  
 Axial Load (P): 42.5 k  
 Uplift/Leg (U): 0.0 k  
 Tower Type (GT / SST / MP): MP

Diameter of Caisson (d): 5.0 ft  
 Caisson Embedment (L-h): 22.3 ft  
 Caisson Height Above Ground (h): 0.5 ft  
 Depth Below Ground Surface to Water Table (w): 4.5 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)		$\gamma_{soil}$	Cohesion	$\phi$	Ultimate Skin	Ultimate Bearing
Top	Bottom	(pcf)	(psf)	(degree)	Friction (psf)	Pressure (psf)
0.0	5.0	125	0	30	0	0
5.0	7.0	125	0	33	0	0
7.0	23.3	125	8000	0	0	8000

Required Embedment: 15.9 ft - OK, Caisson Embedment Satisfactory  
 Volume of Concrete: 446.7 ft<sup>3</sup> = 16.5 yd<sup>3</sup>  
 Weight of Concrete (Buoyancy Effect Considered): 45.3 k  
 Average Soil Unit Weight: 75.2 pcf  
 Skin Friction Resistance: 0.0 k  
 Compressive Bearing Resistance: 157.1 k  
 Pullout Weight (Minus Concrete Weight): 458.1 k  
 Nominal Uplift Capacity per Leg ( $\phi_s T_n$ ): 33.9 k  
 Nominal Compressive Capacity per Leg ( $\phi_s P_n$ ): 117.8 k  
 $P_u$ : 55.6 k  
 $T_u / \phi_s T_n$ : 0.00 Result: OK  
 $P_u / \phi_s P_n$ : 0.47 Result: OK  
 Total Lateral Resistance: 4198.1 k  
 Inflection Point (Below Ground Surface): 15.1 ft  
 Design Overturning Moment At Inflection Point ( $M_D$ ): 3997.7 k-ft  
 Nominal Moment Capacity ( $\phi_s M_n$ ): 11745.1 k-ft  
 $M_D / \phi_s M_n$ : 0.34 Result: OK  
 $\phi_s$ : 0.75