

Pinnacle Wireless

800 Marshall Phelps Rd
Building 2A
Windsor, CT 06095

ORIGINAL

RECEIVED
OCT 23 2014

CONNECTICUT
SITING COUNCIL

October 22, 2014

Melanie Bachman
Acting Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: **EM-CING-028-121031B** – New Cingular Wireless PCS, LLC notification of completion of construction at Chestnut Hill Road, Colchester, Connecticut.

Dear Ms. Bachman:

This letter is submitted on behalf of New Cingular Wireless PCS, LLC ("AT&T"), whose notice of intent to modify an existing telecommunications facility was acknowledged by the Connecticut Siting Council ("Council") on November 16, 2012.

Please accept this letter as notification of completion of construction by AT&T as required as a condition of the Council's acknowledgement.

Respectfully Yours,



Megan Boylan
Project Coordinator

Cc: Kevin Mason, AT&T



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

Phone: (860) 827-2935 Fax: (860) 827-2950

E-Mail: siting.council@ct.gov

www.ct.gov/csc

November 16, 2012

Christopher Bisson
New Cingular Wireless PCS, LLC
154 General Patton Drive
Naugatuck, CT 06770

RE: **EM-CING-028-121031B** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at Chestnut Hill Road, Colchester, Connecticut.

Dear Mr. Bisson:

The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies with the following conditions:

- Any deviation from the proposed modification as specified in this notice and supporting materials with Council shall render this acknowledgement invalid;
- Any material changes to this modification as proposed shall require the filing of a new notice with the Council;
- Not less than 45 days after completion of construction, the Council shall be notified in writing that construction has been completed;
- The validity of this action shall expire one year from the date of this letter; and
- The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration;

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated October 22, 2012. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding

the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

Very truly yours,



Linda Roberts
Executive Director

LR/CDM/cm

c: The Honorable Gregg B. Schuster, First Selectman, Town of Colchester
Adam Turner, Town Planner, Town of Colchester



New Cingular Wireless PCS, LLC
 154 General Patton Dr.
 Naugatuck, CT 06770
 Phone: (203)-217-6200
 Christopher Bisson
 Real Estate Consultant

October 22, 2012

Hand Delivered

Ms. Linda Roberts
 Executive Director
 Connecticut Siting Council
 10 Franklin Square
 New Britain, CT 06051

RECEIVED
 OCT 31 2012

CONNECTICUT
 SITING COUNCIL

ORIGINAL

RE: New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at Chestnut Hill Road, Colchester, CT 06415, know to AT&T as site CT2046.

Dear Ms. Roberts:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") and/or Long Term Evolution ("LTE") capabilities, and enhance system performance in the state of Connecticut, New Cingular Wireless PCS, LLC ("AT&T") plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and its attachments is being sent to the chief elected official of the municipality in which affected cell site is located.

UMTS offers services to mobile computer and phone users anywhere in the world. Based on the Global System for Mobile ("GSM") communication standard, UMTS is the planned worldwide standard for mobile users. UMTS, fully implemented, gives computer and phone users high-speed access to the internet as they travel. They have the same capabilities even when they roam, through both terrestrial wireless and satellite transmissions.

LTE is a new high-performance air interface for cellular mobile communications. It is designed to increase the capacity and speed of mobile telephone networks.

Attached is a summary of the planned modifications, including power density calculations reflecting the change in AT&T's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration based on the supplied structural modification plan dated 4/26/2012 requiring the restacking of the existing coaxial cables.

The changes to the facility do not constitute modification as defined Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within those activities explicitly provided for the R.C.S.A. Section 16-50j-72(b)(2).

1. The height of the overall structure will not be affected.
2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound as all proposed equipment will be located in the existing AT&T equipment shelter.
3. The proposed changes will not increase the noise level at the existing facility by 6 decibels or more.
4. Radio Frequency power density may increase due to the use of one or more GSM channels for UMTS transmissions. Moreover, LTE will utilize additional radio frequencies newly licensed by the FCC for cellular mobile communications. However, the changes will not increase the calculated "worst case" power density for the combined operations at the site to a level at or above the applicable standard for uncontrolled environments as calculated for a mixed frequency site.

For the foregoing reasons New Cingular Wireless PCS, LLC respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (203)-217-6200 or email CBisson@Transcendwireless.com with questions concerning this matter. Thank you for your consideration.

Sincerely,

Christopher Bisson
Real Estate Consultant



C Squared Systems, LLC
65 Dartmouth Drive, Unit A3
Auburn, NH 03032
(603) 644-2800
support@csquaredsystems.com

Calculated Radio Frequency Emissions



at&t

CT2046

(Colchester)

Chestnut Hill Road, Colchester, CT 06415

October 12, 2012

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1. Introduction

The purpose of this report is to investigate compliance with applicable FCC regulations for the proposed modifications to the existing AT&T antenna arrays mounted on the monopole tower located Chestnut Hill Road in Colchester, CT. The coordinates of the tower are 41° 34' 8.2" N, 72° 18' 13.2" W.

AT&T is proposing the following modifications:

- 1) Install three multi-band (700/850/1900/2100 MHz) antennas for their LTE network (one per sector).

2. FCC Guidelines for Evaluating RF Radiation Exposure Limits

In 1985, the FCC established rules to regulate radio frequency (RF) exposure from FCC licensed antenna facilities. In 1996, the FCC updated these rules, which were further amended in August 1997 by OET Bulletin 65 Edition 97-01. These new rules include Maximum Permissible Exposure (MPE) limits for transmitters operating between 300 kHz and 100 GHz. The FCC MPE limits are based upon those recommended by the National Council on Radiation Protection and Measurements (NCRP), developed by the Institute of Electrical and Electronics Engineers, Inc., (IEEE) and adopted by the American National Standards Institute (ANSI).

The FCC general population/uncontrolled limits set the maximum exposure to which most people may be subjected. General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

Public exposure to radio frequencies is regulated and enforced in units of milliwatts per square centimeter (mW/cm^2). The general population exposure limits for the various frequency ranges are defined in the attached "FCC Limits for Maximum Permissible Exposure (MPE)" in Attachment B of this report.

Higher exposure limits are permitted under the occupational/controlled exposure category, but only for persons who are exposed as a consequence of their employment and who have been made fully aware of the potential for exposure, and they must be able to exercise control over their exposure. General population/uncontrolled limits are five times more stringent than the levels that are acceptable for occupational, or radio frequency trained individuals. Attachment B contains excerpts from OET Bulletin 65 and defines the Maximum Exposure Limit.

Finally, it should be noted that the MPE limits adopted by the FCC for both general population/uncontrolled exposure and for occupational/controlled exposure incorporate a substantial margin of safety and have been established to be well below levels generally accepted as having the potential to cause adverse health effects.

3. RF Exposure Prediction Methods

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

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

Where:

EIRP = Effective Isotropic Radiated Power

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

H = Horizontal Distance from antenna in meters

V = Vertical Distance from radiation center of antenna in meters

Ground reflection factor of 1.6

Off Beam Loss is determined by the selected antenna pattern

These calculations assume that the antennas are operating at 100 percent capacity and power, and that all channels are transmitting simultaneously. Obstructions (trees, buildings, etc.) that would normally attenuate the signal are not taken into account. The calculations assume even terrain in the area of study and do not take into account actual terrain elevations which could attenuate the signal. As a result, the predicted signal levels reported below are much higher than the actual signal levels will be from the finished modifications.

4. Calculation Results

Table 1 below outlines the power density information for the site. Because the proposed AT&T antennas are directional in nature, the majority of the RF power is focused out towards the horizon. As a result, there will be less RF power directed below the antennas relative to the horizon, and consequently lower power density levels around the base of the tower. Please refer to Attachment C for the vertical patterns of the proposed AT&T antennas. The calculated results for AT&T in Table 1 include a nominal 10 dB off-beam pattern loss to account for the lower relative gain below the antennas.

Carrier	Antenna Height (Feet)	Operating Frequency (MHz)	Number of Trans.	ERP Per Transmitter (Watts)	Power Density (mw/cm ²)	Limit	%MPE
AT&T UMTS	185	880	1	500	0.0053	0.5867	0.90%
AT&T GSM	185	880	4	296	0.0124	0.5867	2.12%
AT&T GSM	185	1900	2	427	0.0090	1.0000	0.90%
AT&T UMTS	185	880	2	565	0.0012	0.5867	0.20%
AT&T UMTS	185	1900	2	875	0.0018	1.0000	0.18%
AT&T LTE	185	734	1	1771	0.0019	0.4893	0.38%
AT&T GSM	185	880	1	283	0.0003	0.5867	0.05%
AT&T GSM	185	1900	4	525	0.0022	1.0000	0.22%
						Total	1.04%

Table 1: Carrier Information^{1 2 3}

¹ The existing CSC filing for AT&T should be removed and replaced with the updated AT&T technologies and values provided in Table 1. The power density information for carriers other than AT&T was taken directly from the CSC database dated 7/26/2012. Please note that %MPE values listed are rounded to two decimal points. The total %MPE listed is a summation of each unrounded contribution. Therefore, summing each rounded value may not reflect the total value listed in the table.

² In the case where antenna models are not uniform across all 3 sectors for the same frequency band, the antenna model with the highest gain was used for the calculations to present a worse-case scenario.

³ Antenna height listed for AT&T is in reference to the American Tower Corporation Structural Analysis dated September 18, 2012.

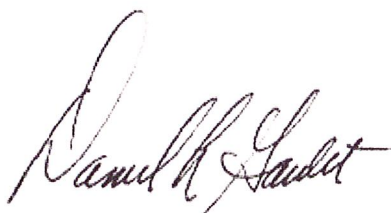
5. Conclusion

The above analysis verifies that emissions from the existing site will be below the maximum power density levels as outlined by the FCC in the OET Bulletin 65 Ed. 97-01. Even when using conservative methods, the cumulative power density from the proposed transmit antennas at the existing facility is well below the limits for the general public. The highest expected percent of Maximum Permissible Exposure at ground level is **1.04% of the FCC limit**.

As noted previously, obstructions (trees, buildings, etc.) that would normally attenuate the signal are not taken into account. As a result, the predicted signal levels are more conservative (higher) than the actual signal levels will be from the finished modifications.

6. Statement of Certification

I certify to the best of my knowledge that the statements in this report are true and accurate. The calculations follow guidelines set forth in ANSI/IEEE Std. C95.3, ANSI/IEEE Std. C95.1 and FCC OET Bulletin 65 Edition 97-01.



Daniel L. Goulet
C Squared Systems, LLC

October 12, 2012

Date

Attachment A: References

OET Bulletin 65 - Edition 97-01 - August 1997 Federal Communications Commission Office of Engineering & Technology

ANSI C95.1-1982, American National Standard Safety Levels With Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300 kHz to 100 GHz. IEEE-SA Standards Board

IEEE Std C95.3-1991 (Reaff 1997), IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave. IEEE-SA Standards Board

Attachment B: FCC Limits for Maximum Permissible Exposure (MPE)

(A) Limits for Occupational/Controlled Exposure⁴

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	-	-	f/300	6
1500-100,000	-	-	5	6

(B) Limits for General Population/Uncontrolled Exposure⁵

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f ²)*	30
30-300	27.5	0.073	0.2	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

f = frequency in MHz * Plane-wave equivalent power density

Table 2: FCC Limits for Maximum Permissible Exposure (MPE)

⁴ Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

⁵ General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

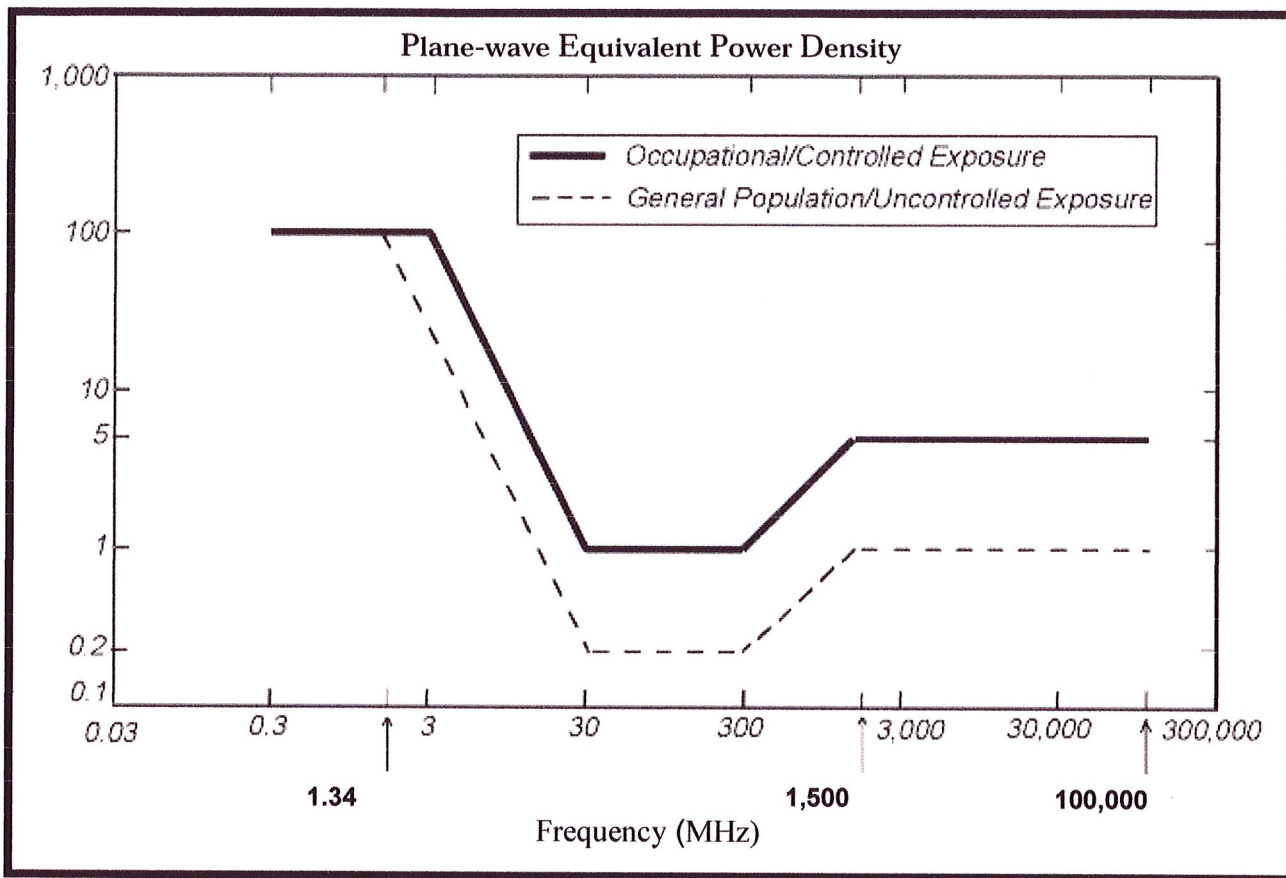
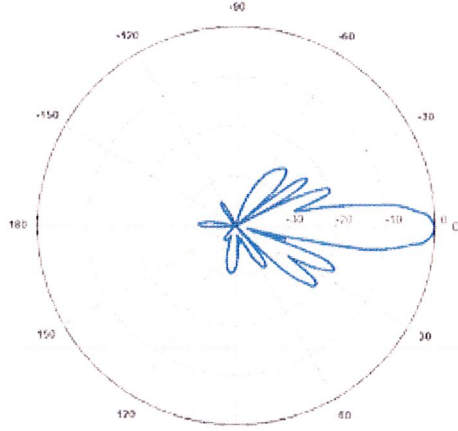
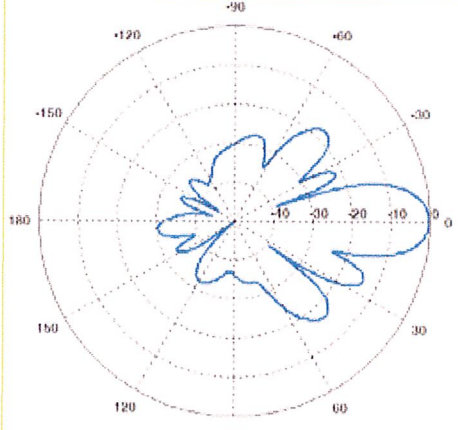
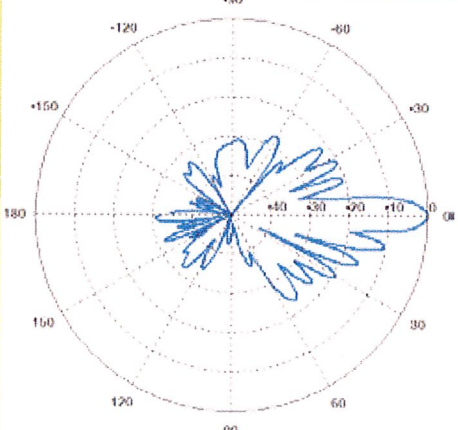


Figure 1: Graph of FCC Limits for Maximum Permissible Exposure (MPE)

Attachment C: AT&T Antenna Data Sheets and Electrical Patterns

<p>700 MHz</p> <p>Manufacturer: KMW Model #: AM-X-CD-17-65-00T-RET Frequency Band: 698-806 MHz Gain: 14.7 dBd Vertical Beamwidth: 10° Horizontal Beamwidth: 66° Polarization: Dual Slant ± 45° Size L x W x D: 96.0" x 11.8" x 6.0"</p>	
<p>850 MHz</p> <p>Manufacturer: Powerwave Model #: 7770 Frequency Band: 824-896 MHz Gain: 11.5 dBd Vertical Beamwidth: 15° Horizontal Beamwidth: 82° Polarization: Dual Linear ± 45° Size L x W x D: 55.0" x 11.0" x 5.0"</p>	
<p>1900 MHz</p> <p>Manufacturer: Powerwave Model #: 7770 Frequency Band: 1850-1990 MHz Gain: 13.4 dBd Vertical Beamwidth: 7° Horizontal Beamwidth: 86° Polarization: Dual Linear ± 45° Size L x W x D: 55.0" x 11.0" x 5.0"</p>	



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 180.6 ft Monopole
ATC Site Name : Clch - Colchester, CT
ATC Site Number : 302496
Engineering Number : 50406621
Proposed Carrier : AT&T Mobility
Carrier Site Name : Norwich
Carrier Site Number : CT202⁴⁶~~28~~ / 10034991
Site Location : Chestnut Hill Road
Colchester, CT 06415-2906
41.568944,-72.303700
County : New London
Date : September 18, 2012
Max Usage : 100%
Result : Pass

Zachary Medoff, E.I.
Project Engineer

Zachary Medoff



9/24/12



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Introduction

The purpose of this report is to summarize results of a structural analysis performed on the 180.6 ft monopole to reflect the change in loading by AT&T Mobility.

Supporting Documents

Tower Drawings	Mapping by HighTower, Project #HTS011509, dated January 13, 2009
Foundation Drawing	Mapping by American Tower, dated January 22, 2009
Geotechnical Report	GEOservices Project #21-07254, dated January 6, 2009

Analysis

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

Basic Wind Speed:	105 mph (3-Second Gust)
Basic Wind Speed w/ Ice:	50 mph (3-Second Gust) w/ 3/4" radial ice concurrent
Code:	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
Structure Class:	II
Exposure Category:	B
Topographic Category:	1

Conclusion

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

If you have any questions or require additional information, please contact me via email at zachary.medoff@americantower.com or call 919-466-5057.



Existing and Reserved Equipment

Mount Elev. ¹ (ft)	Qty.	Antenna	Mount Type	Coax (in)	Carrier
180.0	6	LGP Allgon LGP21903	Platform w/ Handrails	(12) 1 5/8	AT&T Mobility
	6	Powerwave 7770.00			
	6	Powerwave LGP17201			

Proposed Equipment

Elevation ¹ (ft)		Qty.	Antenna	Mount Type	Coax (in)	Carrier
Mount	RAD					
180.0	185.0	2	Andrew SBNH-1D6565C	Platform w/ Handrails	(2) 8 AWG 2C (1) 10 mm	AT&T Mobility
		6	Ericsson RRUS-11 800 MHz			
		1	KMW AM-X-CD-17-65-00T-RET			
		1	Raycap DC6-48-60-18-8F			

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

Install proposed coax inside the pole shaft.



Structure Usages

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	82%	Pass
Shaft	100%	Pass
Base Plate	77%	Pass
Flanges	83%	Pass

Foundations

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	2534.6
Axial (Kips)	43.3
Shear (Kips)	23.0

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

Deflection and Sway*

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
180.0	4.074	2.674

*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:

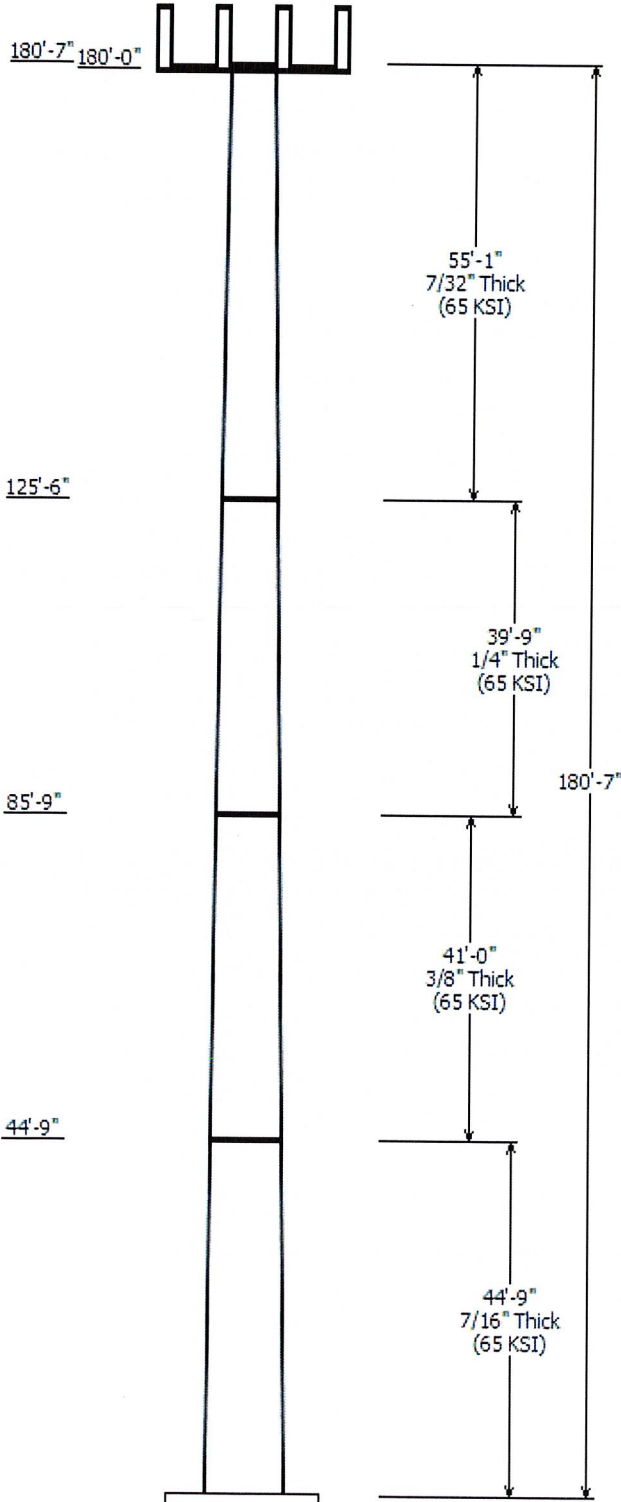
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

It is the responsibility of the client to ensure that the information provided to ATC Engineering Services 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 Engineering Services is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

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Job Information	
Pole :	302496
Code :	ANSI/TIA-222 Rev G
Description :	180 ft Monopole
Client :	AT&T Mobility
Struct Class :	II
Location :	Clch - Colchester, CT
Shape :	12 Sides
Exposure :	B
Height :	180.58 (ft)
Topo :	1
Base Elev (ft) :	0.00
Taper :	0.14453:(in/ft)

Sections Properties							
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Across Top	Flats Bottom				
1	44.750	35.23	41.70	0.438	0.000	0.144532	65
2	41.000	29.30	35.23	0.375	0.000	0.144532	65
3	39.750	23.56	29.30	0.250	0.000	0.144532	65
4	55.083	15.60	23.56	0.219	0.000	0.144532	65

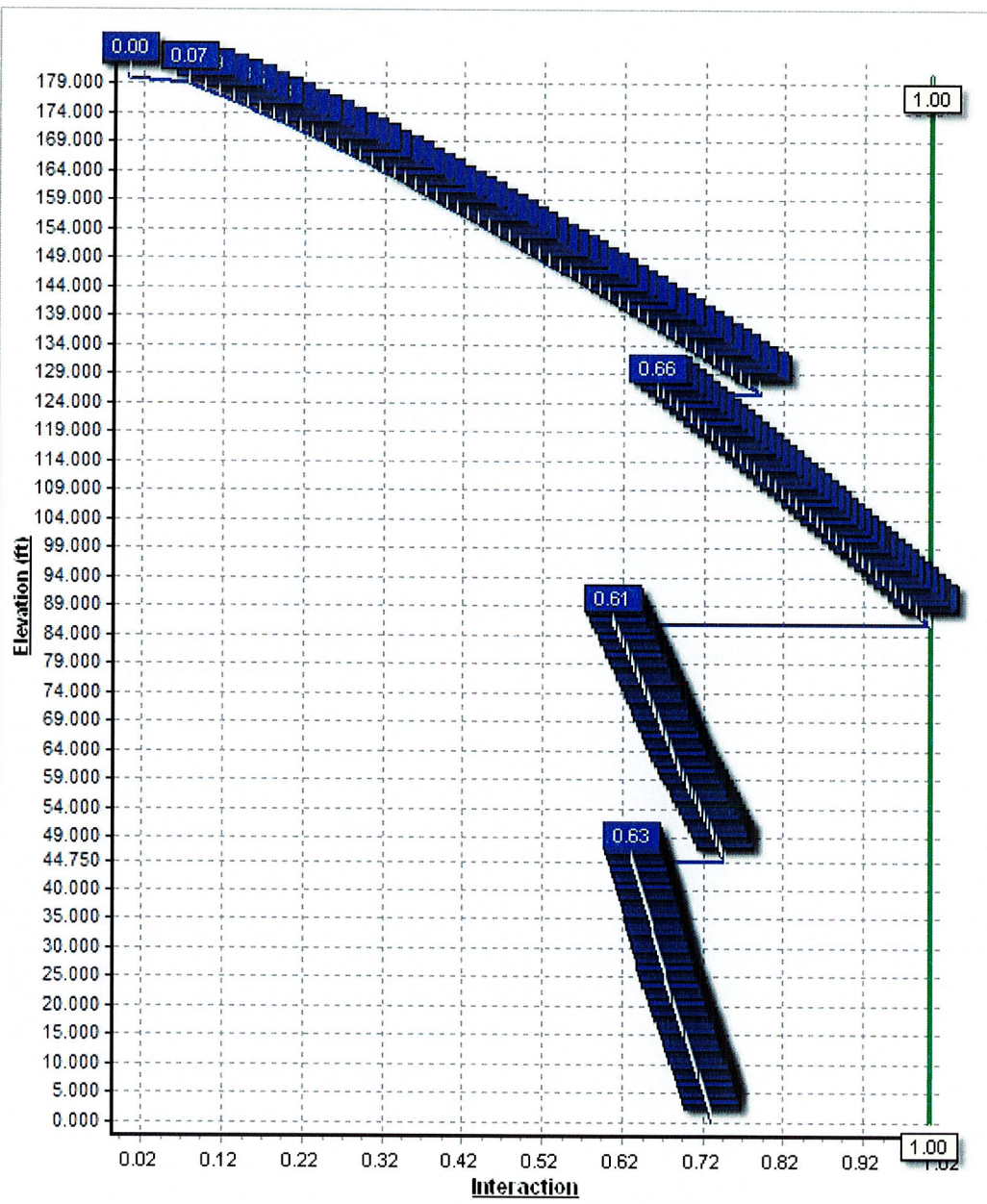
Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
180.000	185.000	6	Ericsson RRUS-11 800 MHz
180.000	185.000	1	Raycap DC6-48-60-18-8F
180.000	185.000	1	KMW AM-X-CD-17-65-00T-RET
180.000	185.000	2	Andrew SBNH-1D6565C
180.000	180.000	1	Platform w/ Handrails
180.000	185.000	6	LGP Allgon LGP21903
180.000	185.000	6	Powerwave LGP17201
180.000	185.000	6	Powerwave 7770.00

Linear Appurtenance			
From Elev (ft)	To Elev (ft)	Description	Exposed To Wind
0.000	180.0	1 5/8" Coax	No
0.000	180.0	10 mm Cable	No
0.000	180.0	8 AWG 2C	No

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

Reactions			
Load Case	Moment (kip-ft)	Shear (kip)	Axial (kip)
1.2D + 1.6W	2534.58	23.04	28.53
0.9D + 1.6W	2490.11	23.04	21.40
1.2D + 1.0Di + 1.0Wi	538.63	4.45	43.30
1.0D + 1.0W	513.62	4.70	23.79

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

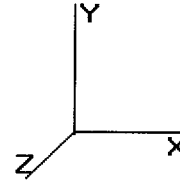


Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

9/18/12 13:51:09
 Page: 1

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Shaft Section Properties

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Joint Len (in)	Weight (lb)	Bottom						Top							
							Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)	
1-12	44.750	0.4375	65		0.00	8,158	41.70	0.00	58.13	12632.4	22.86	95.31	35.23	44.75	49.02	7574.6	18.90	80.53	0.144532	
2-12	41.000	0.3750	65	Butt	0.00	5,373	35.23	44.75	42.09	6527.6	22.50	93.95	29.30	85.75	34.93	3732.3	18.26	78.15	0.144532	
3-12	39.750	0.2500	65	Butt	0.00	2,851	29.30	85.75	23.39	2520.6	28.73	117.23	23.56	125.50	18.77	1301.6	22.57	94.24	0.144532	
4-12	55.083	0.2188	65	Butt	0.00	2,556	23.56	125.50	16.44	1143.5	26.18	107.71	15.60	180.58	10.83	327.2	16.43	71.31	0.144532	
Shaft Weight						18,938														

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Weight (lb)	No Ice CaAa (sf)	CaAa Factor	Weight (lb)	Ice CaAa (sf)	CaAa Factor	Distance From Face (ft)	Vert Ecc (ft)
180.00	Andrew SBNH-1D6565C	2	60.80	11.440	0.75	330.13	13.134	0.75	0.000	5.000
180.00	Ericsson RRUS-11 800 MHz	6	54.00	2.520	0.50	145.35	3.191	0.50	0.000	5.000
180.00	KMW AM-X-CD-17-65-00T-	1	59.50	11.310	1.00	312.56	13.000	1.00	0.000	5.000
180.00	LGP Allgon LGP21903	6	5.50	0.230	0.50	19.46	0.477	0.50	0.000	5.000
180.00	Platform w/ Handrails	1	2000.00	27.200	1.00	3,322.33	52.145	1.00	0.000	0.000
180.00	Powerwave 7770.00	6	35.00	5.510	0.65	173.73	6.651	0.65	0.000	5.000
180.00	Powerwave LGP17201	6	31.00	1.670	0.50	80.73	2.221	0.50	0.000	5.000
180.00	Raycap DC6-48-60-18-8F	1	20.00	1.110	0.50	102.37	2.534	0.50	0.000	5.000
Totals		29	2954.10			6,913.11			Number of Loadings :	8

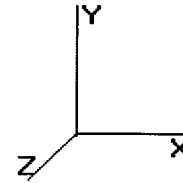
Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	180.00	(12) 1 5/8" Coax	0.00	N
0.00	180.00	(1) 10 mm Cable	0.00	N
0.00	180.00	(2) 8 AWG 2C	0.00	N

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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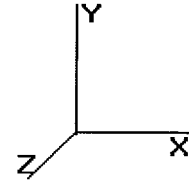
Segment Properties (Max Len : 1 ft)

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)
0.00		0.4375	41.700	58.129	12,632.4	22.86	95.31	79.8	585.2	0.0
1.00		0.4375	41.555	57.925	12,500.1	22.77	94.98	79.9	581.1	197.5
2.00		0.4375	41.411	57.721	12,368.8	22.68	94.65	80.0	577.0	196.8
3.00		0.4375	41.266	57.518	12,238.4	22.59	94.32	80.1	572.9	196.1
4.00		0.4375	41.122	57.314	12,108.8	22.51	93.99	80.2	568.9	195.4
5.00		0.4375	40.977	57.111	11,980.3	22.42	93.66	80.3	564.8	194.7
6.00		0.4375	40.833	56.907	11,852.6	22.33	93.33	80.4	560.8	194.0
7.00		0.4375	40.688	56.703	11,725.8	22.24	93.00	80.5	556.7	193.3
8.00		0.4375	40.544	56.500	11,599.9	22.15	92.67	80.6	552.7	192.6
9.00		0.4375	40.399	56.296	11,475.0	22.06	92.34	80.7	548.7	191.9
10.00		0.4375	40.255	56.092	11,350.9	21.97	92.01	80.7	544.7	191.2
11.00		0.4375	40.110	55.889	11,227.8	21.89	91.68	80.8	540.8	190.5
12.00		0.4375	39.966	55.685	11,105.5	21.80	91.35	80.9	536.8	189.8
13.00		0.4375	39.821	55.482	10,984.1	21.71	91.02	81.0	532.9	189.1
14.00		0.4375	39.677	55.278	10,863.6	21.62	90.69	81.1	529.0	188.4
15.00		0.4375	39.532	55.074	10,744.0	21.53	90.36	81.2	525.0	187.8
16.00		0.4375	39.387	54.871	10,625.3	21.44	90.03	81.3	521.1	187.1
17.00		0.4375	39.243	54.667	10,507.5	21.36	89.70	81.4	517.3	186.4
18.00		0.4375	39.098	54.464	10,390.5	21.27	89.37	81.5	513.4	185.7
19.00		0.4375	38.954	54.260	10,274.4	21.18	89.04	81.6	509.5	185.0
20.00		0.4375	38.809	54.056	10,159.2	21.09	88.71	81.7	505.7	184.3
21.00		0.4375	38.665	53.853	10,044.8	21.00	88.38	81.8	501.9	183.6
22.00		0.4375	38.520	53.649	9,931.3	20.91	88.05	81.9	498.1	182.9
23.00		0.4375	38.376	53.446	9,818.7	20.82	87.72	81.9	494.3	182.2
24.00		0.4375	38.231	53.242	9,706.9	20.74	87.39	81.9	490.5	181.5
25.00		0.4375	38.087	53.038	9,595.9	20.65	87.06	81.9	486.7	180.8
26.00		0.4375	37.942	52.835	9,485.8	20.56	86.72	81.9	483.0	180.1
27.00		0.4375	37.798	52.631	9,376.6	20.47	86.39	81.9	479.2	179.4
28.00		0.4375	37.653	52.427	9,268.2	20.38	86.06	81.9	475.5	178.7
29.00		0.4375	37.509	52.224	9,160.6	20.29	85.73	81.9	471.8	178.1
30.00		0.4375	37.364	52.020	9,053.9	20.20	85.40	81.9	468.1	177.4
31.00		0.4375	37.220	51.817	8,948.0	20.12	85.07	81.9	464.4	176.7
32.00		0.4375	37.075	51.613	8,842.9	20.03	84.74	81.9	460.8	176.0
33.00		0.4375	36.930	51.409	8,738.7	19.94	84.41	81.9	457.1	175.3
34.00		0.4375	36.786	51.206	8,635.3	19.85	84.08	81.9	453.5	174.6
35.00		0.4375	36.641	51.002	8,532.7	19.76	83.75	81.9	449.9	173.9
36.00		0.4375	36.497	50.799	8,430.9	19.67	83.42	81.9	446.3	173.2
37.00		0.4375	36.352	50.595	8,329.9	19.58	83.09	81.9	442.7	172.5
38.00		0.4375	36.208	50.391	8,229.8	19.50	82.76	81.9	439.1	171.8
39.00		0.4375	36.063	50.188	8,130.4	19.41	82.43	81.9	435.5	171.1
40.00		0.4375	35.919	49.984	8,031.9	19.32	82.10	81.9	432.0	170.4
41.00		0.4375	35.774	49.781	7,934.1	19.23	81.77	81.9	428.5	169.7
42.00		0.4375	35.630	49.577	7,837.1	19.14	81.44	81.9	424.9	169.0
43.00		0.4375	35.485	49.373	7,741.0	19.05	81.11	81.9	421.4	168.4
44.00		0.4375	35.341	49.170	7,645.6	18.97	80.78	81.9	417.9	167.7
44.75	Top - Section 1	0.4375	35.232	49.017	7,574.6	18.90	80.53	81.9	415.3	125.3
44.75	Bot - Section 2	0.3750	35.232	42.090	6,527.6	22.50	93.95	80.2	357.9	
45.00		0.3750	35.196	42.046	6,507.3	22.47	93.86	80.2	357.2	35.8
46.00		0.3750	35.052	41.872	6,426.6	22.37	93.47	80.3	354.2	142.8
47.00		0.3750	34.907	41.697	6,346.6	22.26	93.09	80.4	351.2	142.2
48.00		0.3750	34.762	41.523	6,267.2	22.16	92.70	80.5	348.3	141.6
49.00		0.3750	34.618	41.348	6,188.5	22.06	92.31	80.7	345.3	141.0
50.00		0.3750	34.473	41.174	6,110.5	21.95	91.93	80.8	342.4	140.4
51.00		0.3750	34.329	40.999	6,033.1	21.85	91.54	80.9	339.5	139.8
52.00		0.3750	34.184	40.825	5,956.4	21.75	91.16	81.0	336.6	139.2
53.00		0.3750	34.040	40.650	5,880.3	21.64	90.77	81.1	333.7	138.6
54.00		0.3750	33.895	40.476	5,804.9	21.54	90.39	81.2	330.8	138.0
55.00		0.3750	33.751	40.301	5,730.2	21.44	90.00	81.3	328.0	137.4

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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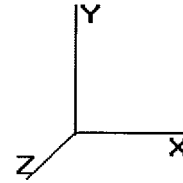
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56.00	0.3750	33.606	40.127	5,656.0	21.33	89.62	81.4	325.1	136.8	
57.00	0.3750	33.462	39.952	5,582.6	21.23	89.23	81.6	322.3	136.2	
58.00	0.3750	33.317	39.778	5,509.7	21.13	88.85	81.7	319.5	135.7	
59.00	0.3750	33.173	39.603	5,437.5	21.02	88.46	81.8	316.7	135.1	
60.00	0.3750	33.028	39.429	5,365.9	20.92	88.07	81.9	313.9	134.5	
61.00	0.3750	32.884	39.254	5,295.0	20.82	87.69	81.9	311.1	133.9	
62.00	0.3750	32.739	39.080	5,224.7	20.71	87.30	81.9	308.3	133.3	
63.00	0.3750	32.595	38.905	5,155.0	20.61	86.92	81.9	305.5	132.7	
64.00	0.3750	32.450	38.731	5,085.9	20.51	86.53	81.9	302.8	132.1	
65.00	0.3750	32.305	38.556	5,017.5	20.40	86.15	81.9	300.0	131.5	
66.00	0.3750	32.161	38.381	4,949.7	20.30	85.76	81.9	297.3	130.9	
67.00	0.3750	32.016	38.207	4,882.5	20.20	85.38	81.9	294.6	130.3	
68.00	0.3750	31.872	38.032	4,815.9	20.09	84.99	81.9	291.9	129.7	
69.00	0.3750	31.727	37.858	4,749.9	19.99	84.61	81.9	289.2	129.1	
70.00	0.3750	31.583	37.683	4,684.5	19.89	84.22	81.9	286.5	128.5	
71.00	0.3750	31.438	37.509	4,619.7	19.78	83.84	81.9	283.9	127.9	
72.00	0.3750	31.294	37.334	4,555.5	19.68	83.45	81.9	281.2	127.3	
73.00	0.3750	31.149	37.160	4,491.9	19.58	83.06	81.9	278.6	126.7	
74.00	0.3750	31.005	36.985	4,428.9	19.47	82.68	81.9	276.0	126.1	
75.00	0.3750	30.860	36.811	4,366.5	19.37	82.29	81.9	273.3	125.6	
76.00	0.3750	30.716	36.636	4,304.7	19.27	81.91	81.9	270.7	125.0	
77.00	0.3750	30.571	36.462	4,243.5	19.16	81.52	81.9	268.2	124.4	
78.00	0.3750	30.427	36.287	4,182.9	19.06	81.14	81.9	265.6	123.8	
79.00	0.3750	30.282	36.113	4,122.8	18.96	80.75	81.9	263.0	123.2	
80.00	0.3750	30.137	35.938	4,063.3	18.85	80.37	81.9	260.5	122.6	
81.00	0.3750	29.993	35.764	4,004.4	18.75	79.98	81.9	257.9	122.0	
82.00	0.3750	29.848	35.589	3,946.1	18.65	79.60	81.9	255.4	121.4	
83.00	0.3750	29.704	35.415	3,888.3	18.54	79.21	81.9	252.9	120.8	
84.00	0.3750	29.559	35.240	3,831.1	18.44	78.82	81.9	250.4	120.2	
85.00	0.3750	29.415	35.066	3,774.5	18.34	78.44	81.9	247.9	119.6	
85.75	Top - Section 2	0.3750	29.306	34.935	3,732.3	18.26	78.15	81.9	246.0	89.3
85.75	Bot - Section 3	0.2500	29.306	23.390	2,520.6	28.73	117.23	73.4	166.2	
86.00		0.2500	29.270	23.361	2,511.2	28.69	117.08	73.4	165.7	19.9
87.00		0.2500	29.126	23.245	2,473.9	28.54	116.50	73.6	164.1	79.3
88.00		0.2500	28.981	23.129	2,436.9	28.38	115.92	73.8	162.4	78.9
89.00		0.2500	28.837	23.012	2,400.3	28.23	115.35	73.9	160.8	78.5
90.00		0.2500	28.692	22.896	2,364.1	28.07	114.77	74.1	159.2	78.1
91.00		0.2500	28.548	22.780	2,328.3	27.92	114.19	74.3	157.6	77.7
92.00		0.2500	28.403	22.663	2,292.8	27.76	113.61	74.4	155.9	77.3
93.00		0.2500	28.259	22.547	2,257.6	27.61	113.03	74.6	154.3	76.9
94.00		0.2500	28.114	22.431	2,222.9	27.45	112.46	74.8	152.7	76.5
95.00		0.2500	27.969	22.314	2,188.5	27.30	111.88	74.9	151.2	76.1
96.00		0.2500	27.825	22.198	2,154.4	27.14	111.30	75.1	149.6	75.7
97.00		0.2500	27.680	22.081	2,120.7	26.99	110.72	75.3	148.0	75.3
98.00		0.2500	27.536	21.965	2,087.4	26.83	110.14	75.4	146.4	74.9
99.00		0.2500	27.391	21.849	2,054.4	26.68	109.57	75.6	144.9	74.5
100.0		0.2500	27.247	21.732	2,021.7	26.52	108.99	75.8	143.3	74.1
101.0		0.2500	27.102	21.616	1,989.4	26.37	108.41	76.0	141.8	73.8
102.0		0.2500	26.958	21.500	1,957.5	26.21	107.83	76.1	140.3	73.4
103.0		0.2500	26.813	21.383	1,925.9	26.06	107.25	76.3	138.8	73.0
104.0		0.2500	26.669	21.267	1,894.6	25.90	106.67	76.5	137.2	72.6
105.0		0.2500	26.524	21.151	1,863.7	25.75	106.10	76.6	135.7	72.2
106.0		0.2500	26.380	21.034	1,833.1	25.59	105.52	76.8	134.2	71.8
107.0		0.2500	26.235	20.918	1,802.8	25.44	104.94	77.0	132.8	71.4
108.0		0.2500	26.091	20.802	1,772.9	25.28	104.36	77.1	131.3	71.0
109.0		0.2500	25.946	20.685	1,743.3	25.13	103.78	77.3	129.8	70.6
110.0		0.2500	25.802	20.569	1,714.1	24.97	103.21	77.5	128.3	70.2
111.0		0.2500	25.657	20.453	1,685.2	24.82	102.63	77.6	126.9	69.8
112.0		0.2500	25.512	20.336	1,656.6	24.66	102.05	77.8	125.4	69.4
113.0		0.2500	25.368	20.220	1,628.3	24.51	101.47	78.0	124.0	69.0
114.0		0.2500	25.223	20.104	1,600.3	24.35	100.89	78.2	122.6	68.6
115.0		0.2500	25.079	19.987	1,572.7	24.20	100.32	78.3	121.1	68.2
116.0		0.2500	24.934	19.871	1,545.4	24.05	99.74	78.5	119.7	67.8
117.0		0.2500	24.790	19.755	1,518.4	23.89	99.16	78.7	118.3	67.4

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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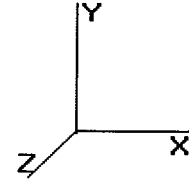
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118.0	0.2500	24.645	19.638	1,491.8	23.74	98.58	78.8	116.9	67.0	
119.0	0.2500	24.501	19.522	1,465.4	23.58	98.00	79.0	115.5	66.6	
120.0	0.2500	24.356	19.405	1,439.4	23.43	97.42	79.2	114.2	66.2	
121.0	0.2500	24.212	19.289	1,413.6	23.27	96.85	79.3	112.8	65.8	
122.0	0.2500	24.067	19.173	1,388.2	23.12	96.27	79.5	111.4	65.4	
123.0	0.2500	23.923	19.056	1,363.1	22.96	95.69	79.7	110.1	65.0	
124.0	0.2500	23.778	18.940	1,338.3	22.81	95.11	79.8	108.7	64.6	
125.0	0.2500	23.634	18.824	1,313.8	22.65	94.53	80.0	107.4	64.3	
125.5	Top - Section 3	0.2500	23.561	18.766	1,301.6	22.57	94.25	80.1	106.7	32.0
125.5	Bot - Section 4	0.2188	23.561	16.442	1,143.5	26.18	107.71	76.2	93.8	
126.0		0.2188	23.489	16.391	1,132.9	26.09	107.38	76.3	93.2	27.9
127.0		0.2188	23.344	16.289	1,111.9	25.92	106.72	76.5	92.0	55.6
128.0		0.2188	23.200	16.187	1,091.2	25.74	106.06	76.6	90.9	55.3
129.0		0.2188	23.055	16.086	1,070.8	25.56	105.40	76.8	89.7	54.9
130.0		0.2188	22.911	15.984	1,050.5	25.38	104.74	77.0	88.6	54.6
131.0		0.2188	22.766	15.882	1,030.6	25.21	104.07	77.2	87.5	54.2
132.0		0.2188	22.622	15.780	1,010.9	25.03	103.41	77.4	86.3	53.9
133.0		0.2188	22.477	15.678	991.5	24.85	102.75	77.6	85.2	53.5
134.0		0.2188	22.333	15.577	972.3	24.68	102.09	77.8	84.1	53.2
135.0		0.2188	22.188	15.475	953.3	24.50	101.43	78.0	83.0	52.8
136.0		0.2188	22.044	15.373	934.7	24.32	100.77	78.2	81.9	52.5
137.0		0.2188	21.899	15.271	916.2	24.15	100.11	78.4	80.8	52.1
138.0		0.2188	21.755	15.169	898.0	23.97	99.45	78.6	79.7	51.8
139.0		0.2188	21.610	15.068	880.0	23.79	98.79	78.8	78.7	51.4
140.0		0.2188	21.466	14.966	862.3	23.61	98.13	79.0	77.6	51.1
141.0		0.2188	21.321	14.864	844.8	23.44	97.47	79.2	76.5	50.8
142.0		0.2188	21.177	14.762	827.6	23.26	96.81	79.3	75.5	50.4
143.0		0.2188	21.032	14.660	810.6	23.08	96.15	79.5	74.5	50.1
144.0		0.2188	20.887	14.559	793.8	22.91	95.49	79.7	73.4	49.7
145.0		0.2188	20.743	14.457	777.3	22.73	94.82	79.9	72.4	49.4
146.0		0.2188	20.598	14.355	761.0	22.55	94.16	80.1	71.4	49.0
147.0		0.2188	20.454	14.253	744.9	22.37	93.50	80.3	70.4	48.7
148.0		0.2188	20.309	14.151	729.1	22.20	92.84	80.5	69.3	48.3
149.0		0.2188	20.165	14.049	713.4	22.02	92.18	80.7	68.4	48.0
150.0		0.2188	20.020	13.948	698.0	21.84	91.52	80.9	67.4	47.6
151.0		0.2188	19.876	13.846	682.9	21.67	90.86	81.1	66.4	47.3
152.0		0.2188	19.731	13.744	667.9	21.49	90.20	81.3	65.4	46.9
153.0		0.2188	19.587	13.642	653.2	21.31	89.54	81.5	64.4	46.6
154.0		0.2188	19.442	13.540	638.7	21.14	88.88	81.7	63.5	46.2
155.0		0.2188	19.298	13.439	624.4	20.96	88.22	81.9	62.5	45.9
156.0		0.2188	19.153	13.337	610.3	20.78	87.56	81.9	61.6	45.6
157.0		0.2188	19.009	13.235	596.4	20.60	86.90	81.9	60.6	45.2
158.0		0.2188	18.864	13.133	582.8	20.43	86.24	81.9	59.7	44.9
159.0		0.2188	18.719	13.031	569.3	20.25	85.57	81.9	58.8	44.5
160.0		0.2188	18.575	12.930	556.1	20.07	84.91	81.9	57.8	44.2
161.0		0.2188	18.430	12.828	543.0	19.90	84.25	81.9	56.9	43.8
162.0		0.2188	18.286	12.726	530.2	19.72	83.59	81.9	56.0	43.5
163.0		0.2188	18.141	12.624	517.6	19.54	82.93	81.9	55.1	43.1
164.0		0.2188	17.997	12.522	505.2	19.36	82.27	81.9	54.2	42.8
165.0		0.2188	17.852	12.421	493.0	19.19	81.61	81.9	53.3	42.4
166.0		0.2188	17.708	12.319	480.9	19.01	80.95	81.9	52.5	42.1
167.0		0.2188	17.563	12.217	469.1	18.83	80.29	81.9	51.6	41.7
168.0		0.2188	17.419	12.115	457.5	18.66	79.63	81.9	50.7	41.4
169.0		0.2188	17.274	12.013	446.0	18.48	78.97	81.9	49.9	41.1
170.0		0.2188	17.130	11.912	434.8	18.30	78.31	81.9	49.0	40.7
171.0		0.2188	16.985	11.810	423.7	18.13	77.65	81.9	48.2	40.4
172.0		0.2188	16.841	11.708	412.9	17.95	76.99	81.9	47.4	40.0
173.0		0.2188	16.696	11.606	402.2	17.77	76.32	81.9	46.5	39.7
174.0		0.2188	16.551	11.504	391.7	17.59	75.66	81.9	45.7	39.3
175.0		0.2188	16.407	11.403	381.4	17.42	75.00	81.9	44.9	39.0
176.0		0.2188	16.262	11.301	371.3	17.24	74.34	81.9	44.1	38.6
177.0		0.2188	16.118	11.199	361.3	17.06	73.68	81.9	43.3	38.3
178.0		0.2188	15.973	11.097	351.6	16.89	73.02	81.9	42.5	37.9
179.0		0.2188	15.829	10.995	342.0	16.71	72.36	81.9	41.7	37.6

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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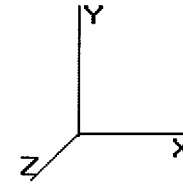
Load Case: 1.2D + 1.6W 105.00 mph with No Ice 45 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.20
Wind Load Factor: 1.60

162.0	1.00	1.13	30.413	33.45	176.41	1.000	0.000	1.00	1.584	1.58	84.8	0.0	52.2
163.0	1.00	1.13	30.467	33.51	175.17	1.000	0.000	1.00	1.571	1.57	84.3	0.0	51.8
164.0	1.00	1.13	30.520	33.57	173.93	1.000	0.000	1.00	1.559	1.56	83.7	0.0	51.3
165.0	1.00	1.14	30.573	33.63	172.68	1.000	0.000	1.00	1.546	1.55	83.2	0.0	50.9
166.0	1.00	1.14	30.626	33.68	171.43	1.000	0.000	1.00	1.534	1.53	82.7	0.0	50.5
167.0	1.00	1.14	30.678	33.74	170.18	1.000	0.000	1.00	1.521	1.52	82.2	0.0	50.1
168.0	1.00	1.14	30.731	33.80	168.92	1.000	0.000	1.00	1.509	1.51	81.6	0.0	49.7
169.0	1.00	1.14	30.783	33.86	167.66	1.000	0.000	1.00	1.497	1.50	81.1	0.0	49.3
170.0	1.00	1.15	30.835	33.91	166.40	1.000	0.000	1.00	1.484	1.48	80.5	0.0	48.8
171.0	1.00	1.15	30.887	33.97	165.13	1.000	0.000	1.00	1.472	1.47	80.0	0.0	48.4
172.0	1.00	1.15	30.938	34.03	163.86	1.000	0.000	1.00	1.459	1.46	79.5	0.0	48.0
173.0	1.00	1.15	30.989	34.08	162.59	1.000	0.000	1.00	1.447	1.45	78.9	0.0	47.6
174.0	1.00	1.15	31.041	34.14	161.32	1.000	0.000	1.00	1.434	1.43	78.4	0.0	47.2
175.0	1.00	1.16	31.091	34.20	160.04	1.000	0.000	1.00	1.422	1.42	77.8	0.0	46.8
176.0	1.00	1.16	31.142	34.25	158.76	1.000	0.000	1.00	1.409	1.41	77.2	0.0	46.4
177.0	1.00	1.16	31.193	34.31	157.48	1.000	0.000	1.00	1.397	1.40	76.7	0.0	45.9
178.0	1.00	1.16	31.243	34.36	156.19	1.000	0.000	1.00	1.384	1.38	76.1	0.0	45.5
179.0	1.00	1.16	31.293	34.42	154.90	1.000	0.000	1.00	1.372	1.37	75.6	0.0	45.1
180.0	1.00	1.16	31.343	34.47	153.61	1.000	0.000	1.00	1.359	1.36	75.0	0.0	44.7
180.5	1.00	1.17	31.372	34.50	152.85	1.000	0.000	0.58	0.787	0.79	43.5	0.0	25.9
Totals:								180.58			18,871.0	0.0	22,725.7

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.6W	105.00 mph with No Ice	45 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

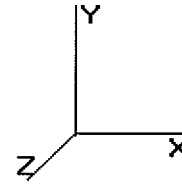
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
180.0	Andrew SBNH-	2	31.589	34.748	0.56	0.75	12.87	0.000	5.000	715.53	0.00	3,577.64	145.92
180.0	Ericsson RRUS-11 800	6	31.589	34.748	0.38	0.75	5.67	0.000	5.000	315.23	0.00	1,576.16	388.80
180.0	KMW AM-X-CD-17-65-	1	31.589	34.748	0.75	0.75	8.48	0.000	5.000	471.60	0.00	2,357.99	71.40
180.0	LGP Allgon LGP21903	6	31.589	34.748	0.38	0.75	0.52	0.000	5.000	28.77	0.00	143.86	39.60
180.0	Platform w/ Handrail	1	31.343	34.477	1.00	1.00	27.20	0.000	0.000	1,500.43	0.00	0.00	2,400.00
180.0	Powerwave 7770.00	6	31.589	34.748	0.49	0.75	16.12	0.000	5.000	896.04	0.00	4,480.18	252.00
180.0	Powerwave LGP17201	6	31.589	34.748	0.38	0.75	3.76	0.000	5.000	208.90	0.00	1,044.52	223.20
180.0	Raycap DC6-48-60-18-	1	31.589	34.748	0.38	0.75	0.42	0.000	5.000	23.14	0.00	115.71	24.00
										4,159.64			3,544.92

Pole : 302496
 Location : Clich - Colchester, CT
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Code: ANSI/TIA-222 Rev G
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 Topographic Category : 1
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Load Case: 1.2D + 1.6W

105.00 mph with No Ice

45 Iterations

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

Wind Importance Factor : 1.00

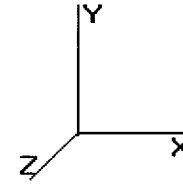
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	118.63	249.58	0.00	0.00
2.00	118.22	248.75	0.00	0.00
3.00	117.81	247.91	0.00	0.00
4.00	117.40	247.08	0.00	0.00
5.00	116.99	246.25	0.00	0.00
6.00	116.57	245.42	0.00	0.00
7.00	116.16	244.59	0.00	0.00
8.00	115.75	243.76	0.00	0.00
9.00	115.34	242.93	0.00	0.00
10.00	114.93	242.09	0.00	0.00
11.00	114.52	241.26	0.00	0.00
12.00	114.10	240.43	0.00	0.00
13.00	113.69	239.60	0.00	0.00
14.00	113.28	238.77	0.00	0.00
15.00	112.87	237.94	0.00	0.00
16.00	112.46	237.11	0.00	0.00
17.00	112.04	236.27	0.00	0.00
18.00	111.63	235.44	0.00	0.00
19.00	111.22	234.61	0.00	0.00
20.00	110.81	233.78	0.00	0.00
21.00	110.40	232.95	0.00	0.00
22.00	109.98	232.12	0.00	0.00
23.00	109.57	231.29	0.00	0.00
24.00	109.16	230.45	0.00	0.00
25.00	108.75	229.62	0.00	0.00
26.00	108.34	228.79	0.00	0.00
27.00	107.93	227.96	0.00	0.00
28.00	107.51	227.13	0.00	0.00
29.00	107.10	226.30	0.00	0.00
30.00	106.78	225.47	0.00	0.00
31.00	107.37	224.64	0.00	0.00
32.00	107.93	223.80	0.00	0.00
33.00	108.46	222.97	0.00	0.00
34.00	108.96	222.14	0.00	0.00
35.00	109.43	221.31	0.00	0.00
36.00	109.88	220.48	0.00	0.00
37.00	110.31	219.65	0.00	0.00
38.00	110.71	218.82	0.00	0.00
39.00	111.09	217.98	0.00	0.00
40.00	111.45	217.15	0.00	0.00
41.00	111.79	216.32	0.00	0.00
42.00	112.11	215.49	0.00	0.00
43.00	112.41	214.66	0.00	0.00
44.00	112.69	213.83	0.00	0.00
44.75	84.62	159.82	0.00	0.00
45.00	28.19	46.10	0.00	0.00
46.00	113.20	183.97	0.00	0.00
47.00	113.43	183.26	0.00	0.00
48.00	113.64	182.54	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
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Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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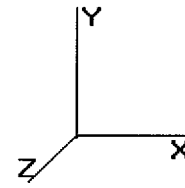
Load Case: 1.2D + 1.6W	105.00 mph with No Ice	45 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

49.00	113.84	181.83	0.00	0.00
50.00	114.02	181.12	0.00	0.00
51.00	114.19	180.40	0.00	0.00
52.00	114.34	179.69	0.00	0.00
53.00	114.48	178.98	0.00	0.00
54.00	114.60	178.27	0.00	0.00
55.00	114.71	177.55	0.00	0.00
56.00	114.81	176.84	0.00	0.00
57.00	114.90	176.13	0.00	0.00
58.00	114.98	175.42	0.00	0.00
59.00	115.04	174.70	0.00	0.00
60.00	115.09	173.99	0.00	0.00
61.00	115.13	173.28	0.00	0.00
62.00	115.16	172.57	0.00	0.00
63.00	115.18	171.85	0.00	0.00
64.00	115.18	171.14	0.00	0.00
65.00	115.18	170.43	0.00	0.00
66.00	115.17	169.72	0.00	0.00
67.00	115.15	169.00	0.00	0.00
68.00	115.11	168.29	0.00	0.00
69.00	115.07	167.58	0.00	0.00
70.00	115.02	166.86	0.00	0.00
71.00	114.96	166.15	0.00	0.00
72.00	114.89	165.44	0.00	0.00
73.00	114.81	164.73	0.00	0.00
74.00	114.73	164.01	0.00	0.00
75.00	114.63	163.30	0.00	0.00
76.00	114.53	162.59	0.00	0.00
77.00	114.42	161.88	0.00	0.00
78.00	114.30	161.16	0.00	0.00
79.00	114.17	160.45	0.00	0.00
80.00	114.04	159.74	0.00	0.00
81.00	113.90	159.03	0.00	0.00
82.00	113.75	158.31	0.00	0.00
83.00	113.59	157.60	0.00	0.00
84.00	113.43	156.89	0.00	0.00
85.00	113.25	156.18	0.00	0.00
85.75	84.79	116.66	0.00	0.00
86.00	28.22	27.02	0.00	0.00
87.00	112.89	107.79	0.00	0.00
88.00	112.70	107.31	0.00	0.00
89.00	112.50	106.84	0.00	0.00
90.00	112.30	106.36	0.00	0.00
91.00	112.09	105.89	0.00	0.00
92.00	111.87	105.41	0.00	0.00
93.00	111.65	104.94	0.00	0.00
94.00	111.42	104.46	0.00	0.00
95.00	111.18	103.99	0.00	0.00
96.00	110.94	103.51	0.00	0.00
97.00	110.69	103.04	0.00	0.00
98.00	110.44	102.56	0.00	0.00
99.00	110.18	102.09	0.00	0.00
100.0	109.91	101.61	0.00	0.00
101.0	109.64	101.14	0.00	0.00
102.0	109.37	100.66	0.00	0.00
103.0	109.09	100.19	0.00	0.00
104.0	108.80	99.71	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
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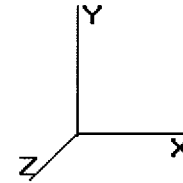
Load Case: 1.2D + 1.6W	105.00 mph with No Ice	45 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

105.0	108.51	99.24	0.00	0.00
106.0	108.21	98.76	0.00	0.00
107.0	107.91	98.29	0.00	0.00
108.0	107.60	97.81	0.00	0.00
109.0	107.29	97.34	0.00	0.00
110.0	106.97	96.86	0.00	0.00
111.0	106.65	96.39	0.00	0.00
112.0	106.32	95.91	0.00	0.00
113.0	105.99	95.44	0.00	0.00
114.0	105.66	94.96	0.00	0.00
115.0	105.31	94.49	0.00	0.00
116.0	104.97	94.01	0.00	0.00
117.0	104.62	93.54	0.00	0.00
118.0	104.26	93.06	0.00	0.00
119.0	103.90	92.59	0.00	0.00
120.0	103.54	92.11	0.00	0.00
121.0	103.17	91.64	0.00	0.00
122.0	102.80	91.16	0.00	0.00
123.0	102.42	90.69	0.00	0.00
124.0	102.04	90.21	0.00	0.00
125.0	101.66	89.74	0.00	0.00
125.5	50.65	44.69	0.00	0.00
126.0	50.56	39.83	0.00	0.00
127.0	100.87	79.36	0.00	0.00
128.0	100.47	78.94	0.00	0.00
129.0	100.07	78.53	0.00	0.00
130.0	99.67	78.11	0.00	0.00
131.0	99.26	77.69	0.00	0.00
132.0	98.84	77.28	0.00	0.00
133.0	98.43	76.86	0.00	0.00
134.0	98.01	76.45	0.00	0.00
135.0	97.58	76.03	0.00	0.00
136.0	97.15	75.62	0.00	0.00
137.0	96.72	75.20	0.00	0.00
138.0	96.28	74.78	0.00	0.00
139.0	95.84	74.37	0.00	0.00
140.0	95.40	73.95	0.00	0.00
141.0	94.95	73.54	0.00	0.00
142.0	94.50	73.12	0.00	0.00
143.0	94.05	72.71	0.00	0.00
144.0	93.59	72.29	0.00	0.00
145.0	93.13	71.87	0.00	0.00
146.0	92.66	71.46	0.00	0.00
147.0	92.19	71.04	0.00	0.00
148.0	91.72	70.63	0.00	0.00
149.0	91.25	70.21	0.00	0.00
150.0	90.77	69.80	0.00	0.00
151.0	90.29	69.38	0.00	0.00
152.0	89.80	68.96	0.00	0.00
153.0	89.31	68.55	0.00	0.00
154.0	88.82	68.13	0.00	0.00
155.0	88.33	67.72	0.00	0.00
156.0	87.83	67.30	0.00	0.00
157.0	87.33	66.89	0.00	0.00
158.0	86.82	66.47	0.00	0.00
159.0	86.32	66.05	0.00	0.00
160.0	85.81	65.64	0.00	0.00

Pole : 302496
 Location : Clich - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.6W	105.00 mph with No Ice	45 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

161.0	85.29	65.22	0.00	0.00
162.0	84.78	64.81	0.00	0.00
163.0	84.26	64.39	0.00	0.00
164.0	83.74	63.98	0.00	0.00
165.0	83.21	63.56	0.00	0.00
166.0	82.68	63.14	0.00	0.00
167.0	82.15	62.73	0.00	0.00
168.0	81.62	62.31	0.00	0.00
169.0	81.08	61.90	0.00	0.00
170.0	80.54	61.48	0.00	0.00
171.0	80.00	61.07	0.00	0.00
172.0	79.45	60.65	0.00	0.00
173.0	78.90	60.23	0.00	0.00
174.0	78.35	59.82	0.00	0.00
175.0	77.80	59.40	0.00	0.00
176.0	77.24	58.99	0.00	0.00
177.0	76.68	58.57	0.00	0.00
178.0	76.12	58.16	0.00	0.00
179.0	75.55	57.74	0.00	0.00
180.0	4,234.63	3,602.24	0.00	13,296.07
180.5	43.46	25.88	0.00	0.00
Totals:	23,030.60	28,544.80	0.00	13,296.07

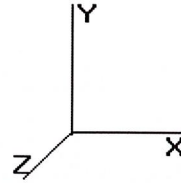
Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.6W	105.00 mph with No Ice	45 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

49.00	-16.49	-18.41	0.00	-1,513.98	0.00	1,513.98	3,001.62	1,500.81	4,230.28	2,089.17	14.59	-2.90	0.730
50.00	-16.29	-18.30	0.00	-1,495.57	0.00	1,495.57	2,993.12	1,496.56	4,200.31	2,074.37	15.21	-2.97	0.727
51.00	-16.10	-18.20	0.00	-1,477.27	0.00	1,477.27	2,984.59	1,492.30	4,170.39	2,059.60	15.84	-3.04	0.723
52.00	-15.90	-18.10	0.00	-1,459.07	0.00	1,459.07	2,976.02	1,488.01	4,140.52	2,044.85	16.48	-3.11	0.719
53.00	-15.71	-17.99	0.00	-1,440.97	0.00	1,440.97	2,967.42	1,483.71	4,110.71	2,030.13	17.14	-3.18	0.715
54.00	-15.52	-17.88	0.00	-1,422.98	0.00	1,422.98	2,958.79	1,479.39	4,080.96	2,015.43	17.81	-3.25	0.711
55.00	-15.32	-17.78	0.00	-1,405.10	0.00	1,405.10	2,950.11	1,475.06	4,051.26	2,000.76	18.50	-3.32	0.708
56.00	-15.13	-17.67	0.00	-1,387.32	0.00	1,387.32	2,941.41	1,470.70	4,021.62	1,986.12	19.20	-3.38	0.704
57.00	-14.94	-17.56	0.00	-1,369.65	0.00	1,369.65	2,932.66	1,466.33	3,992.03	1,971.51	19.92	-3.45	0.700
58.00	-14.75	-17.46	0.00	-1,352.09	0.00	1,352.09	2,923.89	1,461.94	3,962.50	1,956.93	20.65	-3.52	0.696
59.00	-14.56	-17.35	0.00	-1,334.63	0.00	1,334.63	2,915.07	1,457.54	3,933.03	1,942.37	21.39	-3.59	0.692
60.00	-14.38	-17.24	0.00	-1,317.28	0.00	1,317.28	2,906.28	1,453.14	3,903.69	1,927.89	22.15	-3.66	0.688
61.00	-14.19	-17.13	0.00	-1,300.04	0.00	1,300.04	2,897.42	1,448.71	3,874.31	1,913.41	22.93	-3.73	0.685
62.00	-14.01	-17.02	0.00	-1,282.91	0.00	1,282.91	2,888.56	1,444.28	3,844.93	1,899.14	23.72	-3.80	0.682
63.00	-13.82	-16.91	0.00	-1,265.89	0.00	1,265.89	2,879.69	1,439.85	3,815.54	1,884.87	24.52	-3.87	0.679
64.00	-13.64	-16.80	0.00	-1,248.97	0.00	1,248.97	2,870.83	1,435.41	3,786.15	1,870.60	25.34	-3.94	0.676
65.00	-13.46	-16.69	0.00	-1,232.17	0.00	1,232.17	2,861.96	1,430.98	3,756.76	1,856.34	26.17	-4.01	0.673
66.00	-13.27	-16.58	0.00	-1,215.48	0.00	1,215.48	2,853.09	1,426.55	3,727.37	1,842.07	27.02	-4.08	0.670
67.00	-13.09	-16.47	0.00	-1,198.90	0.00	1,198.90	2,844.22	1,422.12	3,697.98	1,827.80	27.88	-4.15	0.667
68.00	-12.92	-16.36	0.00	-1,182.43	0.00	1,182.43	2,835.35	1,417.69	3,668.59	1,813.53	28.75	-4.22	0.664
69.00	-12.74	-16.25	0.00	-1,166.07	0.00	1,166.07	2,826.48	1,413.26	3,639.20	1,799.26	29.64	-4.29	0.661
70.00	-12.56	-16.14	0.00	-1,149.82	0.00	1,149.82	2,817.61	1,408.83	3,609.81	1,784.99	30.55	-4.36	0.658
71.00	-12.38	-16.02	0.00	-1,133.69	0.00	1,133.69	2,808.74	1,404.40	3,580.42	1,770.72	31.47	-4.43	0.655
72.00	-12.21	-15.91	0.00	-1,117.66	0.00	1,117.66	2,799.87	1,400.00	3,551.03	1,756.45	32.40	-4.49	0.652
73.00	-12.03	-15.80	0.00	-1,101.75	0.00	1,101.75	2,791.00	1,395.57	3,521.64	1,742.18	33.35	-4.56	0.648
74.00	-11.86	-15.68	0.00	-1,085.96	0.00	1,085.96	2,782.13	1,391.14	3,492.25	1,727.91	34.31	-4.63	0.645
75.00	-11.69	-15.57	0.00	-1,070.27	0.00	1,070.27	2,773.26	1,386.71	3,462.86	1,713.64	35.29	-4.70	0.642
76.00	-11.52	-15.46	0.00	-1,054.70	0.00	1,054.70	2,764.39	1,382.28	3,433.47	1,700.00	36.28	-4.77	0.639
77.00	-11.35	-15.34	0.00	-1,039.25	0.00	1,039.25	2,755.52	1,377.85	3,404.08	1,686.35	37.28	-4.84	0.635
78.00	-11.18	-15.23	0.00	-1,023.90	0.00	1,023.90	2,746.65	1,373.42	3,374.69	1,672.71	38.30	-4.91	0.632
79.00	-11.01	-15.11	0.00	-1,008.67	0.00	1,008.67	2,737.78	1,368.99	3,345.30	1,659.07	39.34	-4.98	0.629
80.00	-10.84	-15.00	0.00	-993.56	0.00	993.56	2,728.91	1,364.56	3,315.91	1,645.43	40.39	-5.05	0.625
81.00	-10.68	-14.89	0.00	-978.56	0.00	978.56	2,720.04	1,360.13	3,286.52	1,631.79	41.45	-5.12	0.622
82.00	-10.51	-14.77	0.00	-963.67	0.00	963.67	2,711.17	1,355.70	3,257.13	1,618.15	42.53	-5.19	0.618
83.00	-10.35	-14.66	0.00	-948.90	0.00	948.90	2,702.30	1,351.27	3,227.74	1,604.51	43.62	-5.26	0.615
84.00	-10.18	-14.54	0.00	-934.25	0.00	934.25	2,693.43	1,346.84	3,198.35	1,590.87	44.73	-5.32	0.612
85.00	-10.02	-14.42	0.00	-919.71	0.00	919.71	2,684.56	1,342.41	3,168.96	1,577.23	45.85	-5.39	0.608
85.75	-9.91	-14.33	0.00	-908.89	0.00	908.89	2,675.69	1,337.98	3,139.57	1,563.59	46.70	-5.44	0.605
85.75	-9.91	-14.33	0.00	-908.89	0.00	908.89	1,544.73	772.37	1,851.60	914.44	46.70	-5.44	1.001
86.00	-9.87	-14.31	0.00	-905.30	0.00	905.30	2,666.82	1,333.55	3,110.18	1,549.95	47.85	-5.49	0.601
86.00	-9.87	-14.31	0.00	-905.30	0.00	905.30	2,666.82	1,333.55	3,110.18	1,549.95	47.85	-5.49	0.601
87.00	-9.75	-14.21	0.00	-890.99	0.00	890.99	2,657.95	1,329.12	3,080.79	1,536.30	48.14	-5.56	0.990
87.00	-9.75	-14.21	0.00	-890.99	0.00	890.99	2,657.95	1,329.12	3,080.79	1,536.30	48.14	-5.56	0.990
88.00	-9.62	-14.10	0.00	-876.78	0.00	876.78	2,649.08	1,324.69	3,051.40	1,522.65	49.31	-5.67	0.982
88.00	-9.62	-14.10	0.00	-876.78	0.00	876.78	2,649.08	1,324.69	3,051.40	1,522.65	49.31	-5.67	0.982
89.00	-9.51	-14.00	0.00	-862.68	0.00	862.68	2,640.21	1,320.28	3,022.01	1,509.00	50.51	-5.77	0.974
89.00	-9.51	-14.00	0.00	-862.68	0.00	862.68	2,640.21	1,320.28	3,022.01	1,509.00	50.51	-5.77	0.974
90.00	-9.39	-13.89	0.00	-848.68	0.00	848.68	2,631.34	1,315.87	2,992.62	1,495.35	51.73	-5.87	0.966
90.00	-9.39	-13.89	0.00	-848.68	0.00	848.68	2,631.34	1,315.87	2,992.62	1,495.35	51.73	-5.87	0.966
91.00	-9.27	-13.79	0.00	-834.79	0.00	834.79	2,622.47	1,311.46	2,963.23	1,481.70	52.96	-5.97	0.958
91.00	-9.27	-13.79	0.00	-834.79	0.00	834.79	2,622.47	1,311.46	2,963.23	1,481.70	52.96	-5.97	0.958
92.00	-9.15	-13.68	0.00	-821.00	0.00	821.00	2,613.60	1,307.05	2,933.84	1,468.05	54.22	-6.07	0.949
92.00	-9.15	-13.68	0.00	-821.00	0.00	821.00	2,613.60	1,307.05	2,933.84	1,468.05	54.22	-6.07	0.949
93.00	-9.03	-13.57	0.00	-807.33	0.00	807.33	2,604.73	1,302.64	2,904.45	1,454.40	55.50	-6.17	0.941
93.00	-9.03	-13.57	0.00	-807.33	0.00	807.33	2,604.73	1,302.64	2,904.45	1,454.40	55.50	-6.17	0.941
94.00	-8.92	-13.47	0.00	-793.75	0.00	793.75	2,595.86	1,298.23	2,875.06	1,440.75	56.80	-6.27	0.933
94.00	-8.92	-13.47	0.00	-793.75	0.00	793.75	2,595.86	1,298.23	2,875.06	1,440.75	56.80	-6.27	0.933
95.00	-8.80	-13.36	0.00	-780.29	0.00	780.29	2,587.00	1,293.82	2,845.67	1,427.10	58.13	-6.37	0.925
95.00	-8.80	-13.36	0.00	-780.29	0.00	780.29	2,587.00	1,293.82	2,845.67	1,427.10	58.13	-6.37	0.925
96.00	-8.69	-13.25	0.00	-766.93	0.00	766.93	2,578.13	1,289.41	2,816.28	1,413.45	59.47	-6.47	0.916
96.00	-8.69	-13.25	0.00	-766.93	0.00	766.93	2,578.13	1,289.41	2,816.28	1,413.45	59.47	-6.47	0.916
97.00	-8.58	-13.15	0.00	-753.67	0.00	753.67	2,569.27	1,285.00	2,786.89	1,400.00	60.83	-6.57	0.908
97.00	-8.58	-13.15	0.00	-753.67	0.00	753.67	2,569.27	1,285.00	2,786.89	1,400.00	60.83	-6.57	0.908
98.00	-8.47	-13.04	0.00	-740.52	0.00	740.52	2,560.40	1,280.59	2,757.50	1,386.55	62.22	-6.67	0.900
98.00	-8.47	-13.04	0.00	-740.52	0.00	740.52	2,560.40	1,280.59	2,757.50	1,386.55	62.22	-6.67	0.900
99.00	-8.35	-12.93	0.00	-727.48	0.00	727.48	2,551.54	1,276.18	2,728.11	1,373.10	63.62	-6.77	0.891
99.00	-8.35	-12.93	0.00	-727.48	0.00	727.48	2,551.54	1,276.18	2,728.11	1,373.10	63.62	-6.77	0.891
100.00	-8.24	-12.83	0.00	-714.55	0.00	714.55	2,542.67	1,271.77	2,698.72	1,359.65	65.05	-6.87	0.883
100.00	-8.24	-12.83	0.00	-714.55	0.00	714.55	2,542.67	1,271.77	2,698.72	1,359.65	65.05	-6.87	0.883
101.00	-8.14	-12.72	0.00	-701.72	0.00	701.72	2,533.80	1,267.36	2,669.33	1,346.20	66.50	-6.97	0.874
101.00	-8.14	-12.72	0.00	-701.72	0.00	701.72	2,533.80	1,267.36	2,669.33	1,346.20	66.50	-6.97	0.874
102.00	-8.03	-12.61	0.00	-689.00	0.00	689.00	2,524.94	1,262.95	2,639.94	1,332.75	67.97	-7.07	0.866
102.00	-8.03	-12.61	0.00	-689.00	0.00	689.00	2,524.94	1,262.95	2,639.94	1,332.75	67.97	-7.07	

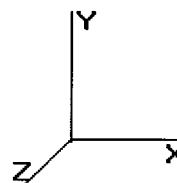
Pole : 302496
 Location : Clich - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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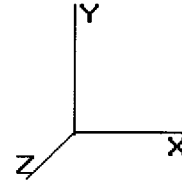
Load Case: 1.2D + 1.6W 105.00 mph with No Ice 45 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

104.00	-7.81	-12.40	0.00	-663.89	0.00	663.89	1,463.52	731.76	1,593.65	787.04	70.96	-7.27	0.849
105.00	-7.71	-12.29	0.00	-651.49	0.00	651.49	1,458.73	729.37	1,579.66	780.14	72.49	-7.37	0.841
106.00	-7.60	-12.19	0.00	-639.20	0.00	639.20	1,453.91	726.95	1,565.69	773.24	74.04	-7.47	0.832
107.00	-7.50	-12.08	0.00	-627.01	0.00	627.01	1,449.04	724.52	1,551.74	766.35	75.61	-7.57	0.824
108.00	-7.40	-11.97	0.00	-614.93	0.00	614.93	1,444.15	722.07	1,537.82	759.47	77.20	-7.67	0.815
109.00	-7.29	-11.86	0.00	-602.96	0.00	602.96	1,439.21	719.61	1,523.91	752.60	78.82	-7.76	0.807
110.00	-7.19	-11.76	0.00	-591.10	0.00	591.10	1,434.25	717.12	1,510.03	745.75	80.45	-7.86	0.798
111.00	-7.09	-11.65	0.00	-579.34	0.00	579.34	1,429.24	714.62	1,496.17	738.90	82.10	-7.96	0.789
112.00	-6.99	-11.54	0.00	-567.69	0.00	567.69	1,424.21	712.10	1,482.33	732.07	83.77	-8.05	0.781
113.00	-6.89	-11.44	0.00	-556.15	0.00	556.15	1,419.13	709.57	1,468.51	725.24	85.46	-8.15	0.772
114.00	-6.79	-11.33	0.00	-544.71	0.00	544.71	1,414.02	707.01	1,454.73	718.43	87.18	-8.25	0.763
115.00	-6.70	-11.22	0.00	-533.38	0.00	533.38	1,408.88	704.44	1,440.96	711.64	88.91	-8.34	0.755
116.00	-6.60	-11.12	0.00	-522.16	0.00	522.16	1,403.70	701.85	1,427.22	704.85	90.66	-8.44	0.746
117.00	-6.51	-11.01	0.00	-511.04	0.00	511.04	1,398.48	699.24	1,413.51	698.08	92.43	-8.53	0.737
118.00	-6.41	-10.90	0.00	-500.03	0.00	500.03	1,393.23	696.62	1,399.83	691.32	94.22	-8.63	0.728
119.00	-6.32	-10.80	0.00	-489.13	0.00	489.13	1,387.95	693.97	1,386.17	684.58	96.03	-8.72	0.719
120.00	-6.23	-10.69	0.00	-478.33	0.00	478.33	1,382.63	691.31	1,372.54	677.85	97.86	-8.82	0.710
121.00	-6.13	-10.59	0.00	-467.64	0.00	467.64	1,377.27	688.64	1,358.94	671.13	99.71	-8.91	0.701
122.00	-6.04	-10.48	0.00	-457.05	0.00	457.05	1,371.88	685.94	1,345.37	664.43	101.58	-9.00	0.693
123.00	-5.95	-10.37	0.00	-446.57	0.00	446.57	1,366.45	683.23	1,331.83	657.74	103.47	-9.10	0.684
124.00	-5.86	-10.27	0.00	-436.20	0.00	436.20	1,360.99	680.49	1,318.33	651.07	105.37	-9.19	0.675
125.00	-5.78	-10.16	0.00	-425.93	0.00	425.93	1,355.49	677.74	1,304.85	644.42	107.30	-9.28	0.665
125.50	-5.73	-10.11	0.00	-420.85	0.00	420.85	1,352.73	676.36	1,298.12	641.09	108.27	-9.33	0.661
125.50	-5.73	-10.11	0.00	-420.85	0.00	420.85	1,127.00	563.50	1,084.41	535.55	108.27	-9.33	0.791
126.00	-5.69	-10.06	0.00	-415.80	0.00	415.80	1,124.94	562.47	1,079.04	532.90	109.25	-9.37	0.786
127.00	-5.61	-9.96	0.00	-405.74	0.00	405.74	1,120.78	560.39	1,068.31	527.60	111.21	-9.47	0.774
128.00	-5.53	-9.85	0.00	-395.78	0.00	395.78	1,116.59	558.29	1,057.61	522.31	113.20	-9.58	0.763
129.00	-5.45	-9.75	0.00	-385.93	0.00	385.93	1,112.36	556.18	1,046.91	517.03	115.20	-9.68	0.752
130.00	-5.38	-9.65	0.00	-376.18	0.00	376.18	1,108.10	554.05	1,036.24	511.76	117.23	-9.78	0.740
131.00	-5.30	-9.55	0.00	-366.53	0.00	366.53	1,103.80	551.90	1,025.58	506.50	119.28	-9.88	0.729
132.00	-5.23	-9.45	0.00	-356.98	0.00	356.98	1,099.47	549.73	1,014.94	501.24	121.35	-9.98	0.717
133.00	-5.15	-9.35	0.00	-347.53	0.00	347.53	1,095.10	547.55	1,004.33	496.00	123.44	-10.08	0.706
134.00	-5.08	-9.24	0.00	-338.19	0.00	338.19	1,090.69	545.35	993.73	490.77	125.55	-10.18	0.694
135.00	-5.00	-9.14	0.00	-328.94	0.00	328.94	1,086.26	543.13	983.15	485.54	127.68	-10.28	0.682
136.00	-4.93	-9.04	0.00	-319.80	0.00	319.80	1,081.78	540.89	972.60	480.33	129.84	-10.37	0.671
137.00	-4.86	-8.94	0.00	-310.76	0.00	310.76	1,077.27	538.64	962.07	475.13	132.01	-10.47	0.659
138.00	-4.79	-8.84	0.00	-301.82	0.00	301.82	1,072.73	536.36	951.56	469.94	134.20	-10.56	0.647
139.00	-4.72	-8.74	0.00	-292.97	0.00	292.97	1,068.14	534.07	941.07	464.76	136.41	-10.66	0.635
140.00	-4.65	-8.64	0.00	-284.23	0.00	284.23	1,063.53	531.76	930.61	459.59	138.64	-10.75	0.623
141.00	-4.58	-8.54	0.00	-275.59	0.00	275.59	1,058.88	529.44	920.17	454.44	140.89	-10.84	0.611
142.00	-4.52	-8.44	0.00	-267.05	0.00	267.05	1,054.19	527.09	909.76	449.30	143.15	-10.93	0.599
143.00	-4.45	-8.34	0.00	-258.61	0.00	258.61	1,049.47	524.73	899.37	444.17	145.44	-11.03	0.587
144.00	-4.38	-8.24	0.00	-250.27	0.00	250.27	1,044.71	522.35	889.01	439.05	147.74	-11.11	0.574
145.00	-4.32	-8.15	0.00	-242.02	0.00	242.02	1,039.92	519.96	878.68	433.95	150.07	-11.20	0.562
146.00	-4.25	-8.05	0.00	-233.88	0.00	233.88	1,035.09	517.54	868.38	428.86	152.41	-11.29	0.550
147.00	-4.19	-7.95	0.00	-225.83	0.00	225.83	1,030.22	515.11	858.10	423.79	154.77	-11.38	0.537
148.00	-4.13	-7.85	0.00	-217.88	0.00	217.88	1,025.32	512.66	847.86	418.72	157.14	-11.46	0.525
149.00	-4.07	-7.75	0.00	-210.03	0.00	210.03	1,020.39	510.19	837.64	413.68	159.53	-11.54	0.512
150.00	-4.01	-7.66	0.00	-202.28	0.00	202.28	1,015.42	507.71	827.46	408.65	161.95	-11.63	0.499
151.00	-3.95	-7.56	0.00	-194.62	0.00	194.62	1,010.41	505.21	817.30	403.63	164.37	-11.71	0.486
152.00	-3.89	-7.46	0.00	-187.06	0.00	187.06	1,005.37	502.69	807.18	398.64	166.82	-11.79	0.473
153.00	-3.83	-7.37	0.00	-179.60	0.00	179.60	1,000.30	500.15	797.09	393.65	169.28	-11.86	0.460
154.00	-3.77	-7.27	0.00	-172.23	0.00	172.23	995.19	497.59	787.03	388.69	171.75	-11.94	0.447
155.00	-3.71	-7.17	0.00	-164.96	0.00	164.96	990.04	495.02	777.01	383.74	174.24	-12.02	0.434
156.00	-3.66	-7.08	0.00	-157.79	0.00	157.79	983.06	491.53	765.62	378.11	176.75	-12.09	0.421
157.00	-3.60	-6.98	0.00	-150.71	0.00	150.71	975.56	487.78	753.91	372.33	179.27	-12.16	0.409
158.00	-3.54	-6.89	0.00	-143.72	0.00	143.72	968.05	484.03	742.29	366.59	181.81	-12.23	0.396

Pole : 302496
 Location : Clich - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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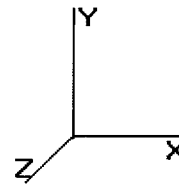
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Load Case: 1.2D + 1.6W	105.00 mph with No Ice	45 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

159.00	-3.49	-6.80	0.00	-136.83	0.00	136.83	960.55	480.27	730.76	360.90	184.35	-12.30	0.383
160.00	-3.44	-6.70	0.00	-130.04	0.00	130.04	953.04	476.52	719.32	355.25	186.92	-12.37	0.370
161.00	-3.38	-6.61	0.00	-123.34	0.00	123.34	945.54	472.77	707.97	349.64	189.50	-12.43	0.357
162.00	-3.33	-6.52	0.00	-116.73	0.00	116.73	938.04	469.02	696.71	344.08	192.09	-12.49	0.343
163.00	-3.28	-6.42	0.00	-110.21	0.00	110.21	930.53	465.27	685.54	338.56	194.69	-12.56	0.329
164.00	-3.23	-6.33	0.00	-103.79	0.00	103.79	923.03	461.51	674.47	333.09	197.30	-12.61	0.315
165.00	-3.18	-6.24	0.00	-97.46	0.00	97.46	915.52	457.76	663.48	327.67	199.93	-12.67	0.301
166.00	-3.13	-6.15	0.00	-91.22	0.00	91.22	908.02	454.01	652.58	322.29	202.57	-12.73	0.287
167.00	-3.08	-6.06	0.00	-85.08	0.00	85.08	900.52	450.26	641.77	316.95	205.22	-12.78	0.272
168.00	-3.04	-5.96	0.00	-79.02	0.00	79.02	893.01	446.51	631.06	311.65	207.88	-12.83	0.257
169.00	-2.99	-5.87	0.00	-73.06	0.00	73.06	885.51	442.75	620.43	306.41	210.55	-12.87	0.242
170.00	-2.94	-5.78	0.00	-67.18	0.00	67.18	878.00	439.00	609.89	301.20	213.23	-12.92	0.227
171.00	-2.90	-5.69	0.00	-61.40	0.00	61.40	870.50	435.25	599.45	296.04	215.91	-12.96	0.211
172.00	-2.85	-5.61	0.00	-55.71	0.00	55.71	863.00	431.50	589.09	290.93	218.61	-13.00	0.195
173.00	-2.81	-5.52	0.00	-50.10	0.00	50.10	855.49	427.75	578.82	285.86	221.31	-13.04	0.179
174.00	-2.76	-5.43	0.00	-44.58	0.00	44.58	847.99	423.99	568.65	280.83	224.02	-13.07	0.162
175.00	-2.72	-5.34	0.00	-39.16	0.00	39.16	840.48	420.24	558.56	275.85	226.74	-13.10	0.145
176.00	-2.68	-5.25	0.00	-33.82	0.00	33.82	832.98	416.49	548.57	270.92	229.47	-13.13	0.128
177.00	-2.64	-5.17	0.00	-28.56	0.00	28.56	825.48	412.74	538.66	266.02	232.19	-13.15	0.111
178.00	-2.60	-5.08	0.00	-23.40	0.00	23.40	817.97	408.99	528.85	261.18	234.93	-13.17	0.093
179.00	-2.56	-4.99	0.00	-18.32	0.00	18.32	810.47	405.23	519.12	256.38	237.66	-13.19	0.075
180.00	-0.02	-0.05	0.00	-0.03	0.00	0.03	802.96	401.48	509.49	251.62	240.40	-13.20	0.000
180.58	0.00	-0.04	0.00	0.00	0.00	0.00	798.59	399.29	503.91	248.86	242.00	-13.20	0.000

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
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 Shape : 12 Sides
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Code : ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



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Load Case: 0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)	44 Iterations
Gust Response Factor : 1.10 Dead Load Factor : 0.90 Wind Load Factor : 1.60		Wind Importance 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)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	18.769	20.64	316.04	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	18.769	20.64	314.95	1.000	0.000	1.00	3.591	3.59	118.6	0.0	177.7
2.00		1.00	0.70	18.769	20.64	313.85	1.000	0.000	1.00	3.579	3.58	118.2	0.0	177.1
3.00		1.00	0.70	18.769	20.64	312.75	1.000	0.000	1.00	3.566	3.57	117.8	0.0	176.5
4.00		1.00	0.70	18.769	20.64	311.66	1.000	0.000	1.00	3.554	3.55	117.4	0.0	175.8
5.00		1.00	0.70	18.769	20.64	310.56	1.000	0.000	1.00	3.541	3.54	117.0	0.0	175.2
6.00		1.00	0.70	18.769	20.64	309.47	1.000	0.000	1.00	3.529	3.53	116.6	0.0	174.6
7.00		1.00	0.70	18.769	20.64	308.37	1.000	0.000	1.00	3.517	3.52	116.2	0.0	174.0
8.00		1.00	0.70	18.769	20.64	307.28	1.000	0.000	1.00	3.504	3.50	115.8	0.0	173.3
9.00		1.00	0.70	18.769	20.64	306.18	1.000	0.000	1.00	3.492	3.49	115.3	0.0	172.7
10.00		1.00	0.70	18.769	20.64	305.09	1.000	0.000	1.00	3.479	3.48	114.9	0.0	172.1
11.00		1.00	0.70	18.769	20.64	303.99	1.000	0.000	1.00	3.467	3.47	114.5	0.0	171.5
12.00		1.00	0.70	18.769	20.64	302.90	1.000	0.000	1.00	3.454	3.45	114.1	0.0	170.8
13.00		1.00	0.70	18.769	20.64	301.80	1.000	0.000	1.00	3.442	3.44	113.7	0.0	170.2
14.00		1.00	0.70	18.769	20.64	300.71	1.000	0.000	1.00	3.429	3.43	113.3	0.0	169.6
15.00		1.00	0.70	18.769	20.64	299.61	1.000	0.000	1.00	3.417	3.42	112.9	0.0	169.0
16.00		1.00	0.70	18.769	20.64	298.51	1.000	0.000	1.00	3.404	3.40	112.5	0.0	168.4
17.00		1.00	0.70	18.769	20.64	297.42	1.000	0.000	1.00	3.392	3.39	112.0	0.0	167.7
18.00		1.00	0.70	18.769	20.64	296.32	1.000	0.000	1.00	3.379	3.38	111.6	0.0	167.1
19.00		1.00	0.70	18.769	20.64	295.23	1.000	0.000	1.00	3.367	3.37	111.2	0.0	166.5
20.00		1.00	0.70	18.769	20.64	294.13	1.000	0.000	1.00	3.354	3.35	110.8	0.0	165.9
21.00		1.00	0.70	18.769	20.64	293.04	1.000	0.000	1.00	3.342	3.34	110.4	0.0	165.2
22.00		1.00	0.70	18.769	20.64	291.94	1.000	0.000	1.00	3.329	3.33	110.0	0.0	164.6
23.00		1.00	0.70	18.769	20.64	290.85	1.000	0.000	1.00	3.317	3.32	109.6	0.0	164.0
24.00		1.00	0.70	18.769	20.64	289.75	1.000	0.000	1.00	3.305	3.30	109.2	0.0	163.4
25.00		1.00	0.70	18.769	20.64	288.66	1.000	0.000	1.00	3.292	3.29	108.7	0.0	162.7
26.00		1.00	0.70	18.769	20.64	287.56	1.000	0.000	1.00	3.280	3.28	108.3	0.0	162.1
27.00		1.00	0.70	18.769	20.64	286.46	1.000	0.000	1.00	3.267	3.27	107.9	0.0	161.5
28.00		1.00	0.70	18.769	20.64	285.37	1.000	0.000	1.00	3.255	3.25	107.5	0.0	160.9
29.00		1.00	0.70	18.769	20.64	284.27	1.000	0.000	1.00	3.242	3.24	107.1	0.0	160.2
30.00		1.00	0.70	18.785	20.66	283.30	1.000	0.000	1.00	3.230	3.23	106.8	0.0	159.6
31.00		1.00	0.70	18.962	20.85	283.53	1.000	0.000	1.00	3.217	3.22	107.4	0.0	159.0
32.00		1.00	0.71	19.134	21.04	283.71	1.000	0.000	1.00	3.205	3.20	107.9	0.0	158.4
33.00		1.00	0.72	19.303	21.23	283.85	1.000	0.000	1.00	3.192	3.19	108.5	0.0	157.8
34.00		1.00	0.72	19.469	21.41	283.95	1.000	0.000	1.00	3.180	3.18	109.0	0.0	157.1
35.00		1.00	0.73	19.631	21.59	284.00	1.000	0.000	1.00	3.167	3.17	109.4	0.0	156.5
36.00		1.00	0.73	19.789	21.76	284.03	1.000	0.000	1.00	3.155	3.15	109.9	0.0	155.9
37.00		1.00	0.74	19.945	21.93	284.01	1.000	0.000	1.00	3.142	3.14	110.3	0.0	155.3
38.00		1.00	0.75	20.097	22.10	283.96	1.000	0.000	1.00	3.130	3.13	110.7	0.0	154.6
39.00		1.00	0.75	20.247	22.27	283.88	1.000	0.000	1.00	3.118	3.12	111.1	0.0	154.0
40.00		1.00	0.76	20.394	22.43	283.77	1.000	0.000	1.00	3.105	3.11	111.5	0.0	153.4
41.00		1.00	0.76	20.538	22.59	283.62	1.000	0.000	1.00	3.093	3.09	111.8	0.0	152.8
42.00		1.00	0.77	20.680	22.74	283.45	1.000	0.000	1.00	3.080	3.08	112.1	0.0	152.1
43.00		1.00	0.77	20.820	22.90	283.25	1.000	0.000	1.00	3.068	3.07	112.4	0.0	151.5
44.00		1.00	0.78	20.957	23.05	283.03	1.000	0.000	1.00	3.055	3.06	112.7	0.0	150.9
44.75	Top - Section 1	1.00	0.78	21.058	23.16	282.84	1.000	0.000	0.75	2.283	2.28	84.6	0.0	112.8
45.00		1.00	0.78	21.092	23.20	282.77	1.000	0.000	0.25	0.760	0.76	28.2	0.0	32.2
46.00		1.00	0.79	21.225	23.34	282.50	1.000	0.000	1.00	3.030	3.03	113.2	0.0	128.5
47.00		1.00	0.79	21.356	23.49	282.20	1.000	0.000	1.00	3.018	3.02	113.4	0.0	128.0
48.00		1.00	0.80	21.485	23.63	281.88	1.000	0.000	1.00	3.005	3.01	113.6	0.0	127.4
49.00		1.00	0.80	21.612	23.77	281.53	1.000	0.000	1.00	2.993	2.99	113.8	0.0	126.9

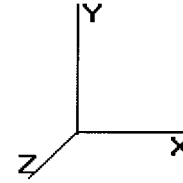
Pole : 302496
Location : Clch - Colchester, CT
Height : 180.5 (ft)
Base Dia : 41.70 (in)
Top Dia : 15.60 (in)
Shape : 12 Sides
Taper : 0.144532 (in/ft)

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

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Load Case: 0.9D + 1.6W

105.00 mph with No Ice (Reduced DL)

44 Iterations

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

Wind Importance Factor : 1.00

50.00	1.00	0.81	21.737	23.91	281.17	1.000	0.000	1.00	2.980	2.98	114.0	0.0	126.4
51.00	1.00	0.81	21.860	24.04	280.78	1.000	0.000	1.00	2.968	2.97	114.2	0.0	125.8
52.00	1.00	0.82	21.982	24.18	280.38	1.000	0.000	1.00	2.955	2.96	114.3	0.0	125.3
53.00	1.00	0.82	22.102	24.31	279.95	1.000	0.000	1.00	2.943	2.94	114.5	0.0	124.8
54.00	1.00	0.82	22.220	24.44	279.51	1.000	0.000	1.00	2.930	2.93	114.6	0.0	124.2
55.00	1.00	0.83	22.337	24.57	279.05	1.000	0.000	1.00	2.918	2.92	114.7	0.0	123.7
56.00	1.00	0.83	22.452	24.69	278.57	1.000	0.000	1.00	2.906	2.91	114.8	0.0	123.2
57.00	1.00	0.84	22.566	24.82	278.07	1.000	0.000	1.00	2.893	2.89	114.9	0.0	122.6
58.00	1.00	0.84	22.678	24.94	277.56	1.000	0.000	1.00	2.881	2.88	115.0	0.0	122.1
59.00	1.00	0.85	22.789	25.06	277.03	1.000	0.000	1.00	2.868	2.87	115.0	0.0	121.6
60.00	1.00	0.85	22.899	25.18	276.49	1.000	0.000	1.00	2.856	2.86	115.1	0.0	121.0
61.00	1.00	0.85	23.007	25.30	275.93	1.000	0.000	1.00	2.843	2.84	115.1	0.0	120.5
62.00	1.00	0.86	23.114	25.42	275.36	1.000	0.000	1.00	2.831	2.83	115.2	0.0	119.9
63.00	1.00	0.86	23.220	25.54	274.77	1.000	0.000	1.00	2.818	2.82	115.2	0.0	119.4
64.00	1.00	0.87	23.325	25.65	274.17	1.000	0.000	1.00	2.806	2.81	115.2	0.0	118.9
65.00	1.00	0.87	23.429	25.77	273.55	1.000	0.000	1.00	2.793	2.79	115.2	0.0	118.3
66.00	1.00	0.87	23.531	25.88	272.92	1.000	0.000	1.00	2.781	2.78	115.2	0.0	117.8
67.00	1.00	0.88	23.632	25.99	272.28	1.000	0.000	1.00	2.768	2.77	115.1	0.0	117.3
68.00	1.00	0.88	23.733	26.10	271.62	1.000	0.000	1.00	2.756	2.76	115.1	0.0	116.7
69.00	1.00	0.88	23.832	26.21	270.96	1.000	0.000	1.00	2.743	2.74	115.1	0.0	116.2
70.00	1.00	0.89	23.930	26.32	270.28	1.000	0.000	1.00	2.731	2.73	115.0	0.0	115.7
71.00	1.00	0.89	24.027	26.43	269.59	1.000	0.000	1.00	2.719	2.72	115.0	0.0	115.1
72.00	1.00	0.90	24.123	26.53	268.88	1.000	0.000	1.00	2.706	2.71	114.9	0.0	114.6
73.00	1.00	0.90	24.219	26.64	268.17	1.000	0.000	1.00	2.694	2.69	114.8	0.0	114.1
74.00	1.00	0.90	24.313	26.74	267.44	1.000	0.000	1.00	2.681	2.68	114.7	0.0	113.5
75.00	1.00	0.91	24.406	26.84	266.71	1.000	0.000	1.00	2.669	2.67	114.6	0.0	113.0
76.00	1.00	0.91	24.499	26.94	265.96	1.000	0.000	1.00	2.656	2.66	114.5	0.0	112.5
77.00	1.00	0.91	24.591	27.05	265.20	1.000	0.000	1.00	2.644	2.64	114.4	0.0	111.9
78.00	1.00	0.92	24.681	27.15	264.44	1.000	0.000	1.00	2.631	2.63	114.3	0.0	111.4
79.00	1.00	0.92	24.771	27.24	263.66	1.000	0.000	1.00	2.619	2.62	114.2	0.0	110.9
80.00	1.00	0.92	24.861	27.34	262.87	1.000	0.000	1.00	2.606	2.61	114.0	0.0	110.3
81.00	1.00	0.93	24.949	27.44	262.08	1.000	0.000	1.00	2.594	2.59	113.9	0.0	109.8
82.00	1.00	0.93	25.037	27.54	261.27	1.000	0.000	1.00	2.581	2.58	113.7	0.0	109.3
83.00	1.00	0.93	25.124	27.63	260.46	1.000	0.000	1.00	2.569	2.57	113.6	0.0	108.7
84.00	1.00	0.94	25.210	27.73	259.64	1.000	0.000	1.00	2.556	2.56	113.4	0.0	108.2
85.00	1.00	0.94	25.295	27.82	258.80	1.000	0.000	1.00	2.544	2.54	113.3	0.0	107.7
85.75	Top - Section 2	1.00	0.94	25.359	27.89	258.17	1.000	0.75	1.900	1.90	84.8	0.0	80.4
86.00		1.00	0.94	25.380	27.91	257.96	1.000	0.25	0.632	0.63	28.2	0.0	17.9
87.00		1.00	0.95	25.464	28.01	257.11	1.000	1.00	2.519	2.52	112.9	0.0	71.4
88.00		1.00	0.95	25.547	28.10	256.25	1.000	1.00	2.507	2.51	112.7	0.0	71.0
89.00		1.00	0.95	25.630	28.19	255.39	1.000	1.00	2.494	2.49	112.5	0.0	70.7
90.00		1.00	0.95	25.711	28.28	254.51	1.000	1.00	2.482	2.48	112.3	0.0	70.3
91.00		1.00	0.96	25.793	28.37	253.63	1.000	1.00	2.469	2.47	112.1	0.0	69.9
92.00		1.00	0.96	25.873	28.46	252.74	1.000	1.00	2.457	2.46	111.9	0.0	69.6
93.00		1.00	0.96	25.953	28.54	251.85	1.000	1.00	2.444	2.44	111.6	0.0	69.2
94.00		1.00	0.97	26.033	28.63	250.94	1.000	1.00	2.432	2.43	111.4	0.0	68.9
95.00		1.00	0.97	26.112	28.72	250.03	1.000	1.00	2.419	2.42	111.2	0.0	68.5
96.00		1.00	0.97	26.190	28.80	249.11	1.000	1.00	2.407	2.41	110.9	0.0	68.2
97.00		1.00	0.98	26.268	28.89	248.18	1.000	1.00	2.394	2.39	110.7	0.0	67.8
98.00		1.00	0.98	26.345	28.97	247.25	1.000	1.00	2.382	2.38	110.4	0.0	67.4
99.00		1.00	0.98	26.421	29.06	246.31	1.000	1.00	2.369	2.37	110.2	0.0	67.1
100.0		1.00	0.98	26.497	29.14	245.36	1.000	1.00	2.357	2.36	109.9	0.0	66.7
101.0		1.00	0.99	26.573	29.23	244.40	1.000	1.00	2.344	2.34	109.6	0.0	66.4
102.0		1.00	0.99	26.648	29.31	243.44	1.000	1.00	2.332	2.33	109.4	0.0	66.0
103.0		1.00	0.99	26.722	29.39	242.48	1.000	1.00	2.319	2.32	109.1	0.0	65.7
104.0		1.00	0.99	26.796	29.47	241.50	1.000	1.00	2.307	2.31	108.8	0.0	65.3
105.0		1.00	1.00	26.869	29.55	240.52	1.000	1.00	2.295	2.29	108.5	0.0	65.0

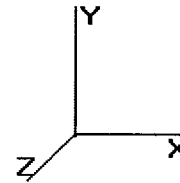
Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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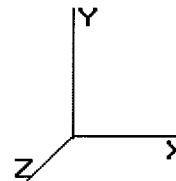
Load Case: 0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)	44 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

106.0	1.00	1.00	26.942	29.63	239.54	1.000	0.000	1.00	2.282	2.28	108.2	0.0	64.6
107.0	1.00	1.00	27.014	29.71	238.54	1.000	0.000	1.00	2.270	2.27	107.9	0.0	64.2
108.0	1.00	1.01	27.086	29.79	237.54	1.000	0.000	1.00	2.257	2.26	107.6	0.0	63.9
109.0	1.00	1.01	27.158	29.87	236.54	1.000	0.000	1.00	2.245	2.24	107.3	0.0	63.5
110.0	1.00	1.01	27.229	29.95	235.53	1.000	0.000	1.00	2.232	2.23	107.0	0.0	63.2
111.0	1.00	1.01	27.299	30.02	234.51	1.000	0.000	1.00	2.220	2.22	106.7	0.0	62.8
112.0	1.00	1.02	27.369	30.10	233.49	1.000	0.000	1.00	2.207	2.21	106.3	0.0	62.5
113.0	1.00	1.02	27.439	30.18	232.46	1.000	0.000	1.00	2.195	2.19	106.0	0.0	62.1
114.0	1.00	1.02	27.508	30.25	231.43	1.000	0.000	1.00	2.182	2.18	105.7	0.0	61.7
115.0	1.00	1.02	27.577	30.33	230.39	1.000	0.000	1.00	2.170	2.17	105.3	0.0	61.4
116.0	1.00	1.03	27.645	30.41	229.35	1.000	0.000	1.00	2.157	2.16	105.0	0.0	61.0
117.0	1.00	1.03	27.713	30.48	228.30	1.000	0.000	1.00	2.145	2.14	104.6	0.0	60.7
118.0	1.00	1.03	27.780	30.55	227.24	1.000	0.000	1.00	2.132	2.13	104.3	0.0	60.3
119.0	1.00	1.03	27.847	30.63	226.18	1.000	0.000	1.00	2.120	2.12	103.9	0.0	60.0
120.0	1.00	1.04	27.914	30.70	225.12	1.000	0.000	1.00	2.108	2.11	103.5	0.0	59.6
121.0	1.00	1.04	27.980	30.77	224.05	1.000	0.000	1.00	2.095	2.10	103.2	0.0	59.3
122.0	1.00	1.04	28.046	30.85	222.97	1.000	0.000	1.00	2.083	2.08	102.8	0.0	58.9
123.0	1.00	1.04	28.112	30.92	221.89	1.000	0.000	1.00	2.070	2.07	102.4	0.0	58.5
124.0	1.00	1.05	28.177	30.99	220.80	1.000	0.000	1.00	2.058	2.06	102.0	0.0	58.2
125.0	1.00	1.05	28.242	31.06	219.71	1.000	0.000	1.00	2.045	2.05	101.7	0.0	57.8
125.5	Top - Section 3	1.00	1.05	28.274	31.10	219.17	1.000	0.50	1.018	1.02	50.7	0.0	28.8
126.0		1.00	1.05	28.306	31.13	218.62	1.000	0.50	1.015	1.01	50.6	0.0	25.1
127.0		1.00	1.05	28.370	31.20	217.52	1.000	1.00	2.020	2.02	100.9	0.0	50.0
128.0		1.00	1.06	28.434	31.27	216.41	1.000	1.00	2.008	2.01	100.5	0.0	49.7
129.0		1.00	1.06	28.497	31.34	215.31	1.000	1.00	1.995	2.00	100.1	0.0	49.4
130.0		1.00	1.06	28.560	31.41	214.19	1.000	1.00	1.983	1.98	99.7	0.0	49.1
131.0		1.00	1.06	28.622	31.48	213.07	1.000	1.00	1.970	1.97	99.3	0.0	48.8
132.0		1.00	1.07	28.685	31.55	211.95	1.000	1.00	1.958	1.96	98.8	0.0	48.5
133.0		1.00	1.07	28.747	31.62	210.82	1.000	1.00	1.945	1.95	98.4	0.0	48.2
134.0		1.00	1.07	28.808	31.68	209.69	1.000	1.00	1.933	1.93	98.0	0.0	47.9
135.0		1.00	1.07	28.869	31.75	208.56	1.000	1.00	1.920	1.92	97.6	0.0	47.5
136.0		1.00	1.07	28.930	31.82	207.42	1.000	1.00	1.908	1.91	97.2	0.0	47.2
137.0		1.00	1.08	28.991	31.89	206.27	1.000	1.00	1.896	1.90	96.7	0.0	46.9
138.0		1.00	1.08	29.051	31.95	205.12	1.000	1.00	1.883	1.88	96.3	0.0	46.6
139.0		1.00	1.08	29.111	32.02	203.97	1.000	1.00	1.871	1.87	95.8	0.0	46.3
140.0		1.00	1.08	29.171	32.08	202.82	1.000	1.00	1.858	1.86	95.4	0.0	46.0
141.0		1.00	1.09	29.230	32.15	201.66	1.000	1.00	1.846	1.85	95.0	0.0	45.7
142.0		1.00	1.09	29.289	32.21	200.49	1.000	1.00	1.833	1.83	94.5	0.0	45.4
143.0		1.00	1.09	29.348	32.28	199.32	1.000	1.00	1.821	1.82	94.0	0.0	45.1
144.0		1.00	1.09	29.407	32.34	198.15	1.000	1.00	1.808	1.81	93.6	0.0	44.7
145.0		1.00	1.09	29.465	32.41	196.97	1.000	1.00	1.796	1.80	93.1	0.0	44.4
146.0		1.00	1.10	29.523	32.47	195.79	1.000	1.00	1.783	1.78	92.7	0.0	44.1
147.0		1.00	1.10	29.581	32.53	194.61	1.000	1.00	1.771	1.77	92.2	0.0	43.8
148.0		1.00	1.10	29.638	32.60	193.42	1.000	1.00	1.758	1.76	91.7	0.0	43.5
149.0		1.00	1.10	29.695	32.66	192.23	1.000	1.00	1.746	1.75	91.2	0.0	43.2
150.0		1.00	1.11	29.752	32.72	191.03	1.000	1.00	1.733	1.73	90.8	0.0	42.9
151.0		1.00	1.11	29.808	32.78	189.83	1.000	1.00	1.721	1.72	90.3	0.0	42.6
152.0		1.00	1.11	29.865	32.85	188.63	1.000	1.00	1.709	1.71	89.8	0.0	42.2
153.0		1.00	1.11	29.921	32.91	187.43	1.000	1.00	1.696	1.70	89.3	0.0	41.9
154.0		1.00	1.11	29.976	32.97	186.22	1.000	1.00	1.684	1.68	88.8	0.0	41.6
155.0		1.00	1.12	30.032	33.03	185.00	1.000	1.00	1.671	1.67	88.3	0.0	41.3
156.0		1.00	1.12	30.087	33.09	183.79	1.000	1.00	1.659	1.66	87.8	0.0	41.0
157.0		1.00	1.12	30.142	33.15	182.56	1.000	1.00	1.646	1.65	87.3	0.0	40.7
158.0		1.00	1.12	30.197	33.21	181.34	1.000	1.00	1.634	1.63	86.8	0.0	40.4
159.0		1.00	1.12	30.251	33.27	180.11	1.000	1.00	1.621	1.62	86.3	0.0	40.1
160.0		1.00	1.13	30.305	33.33	178.88	1.000	1.00	1.609	1.61	85.8	0.0	39.8
161.0		1.00	1.13	30.359	33.39	177.65	1.000	1.00	1.596	1.60	85.3	0.0	39.4

Pole : 302496
 Location : Clich - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)	44 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

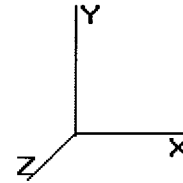
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163.0	1.00	1.13	30.467	33.51	175.17	1.000	0.000	1.00	1.571	1.57	84.3	0.0	38.8	
164.0	1.00	1.13	30.520	33.57	173.93	1.000	0.000	1.00	1.559	1.56	83.7	0.0	38.5	
165.0	1.00	1.14	30.573	33.63	172.68	1.000	0.000	1.00	1.546	1.55	83.2	0.0	38.2	
166.0	1.00	1.14	30.626	33.68	171.43	1.000	0.000	1.00	1.534	1.53	82.7	0.0	37.9	
167.0	1.00	1.14	30.678	33.74	170.18	1.000	0.000	1.00	1.521	1.52	82.2	0.0	37.6	
168.0	1.00	1.14	30.731	33.80	168.92	1.000	0.000	1.00	1.509	1.51	81.6	0.0	37.3	
169.0	1.00	1.14	30.783	33.86	167.66	1.000	0.000	1.00	1.497	1.50	81.1	0.0	36.9	
170.0	1.00	1.15	30.835	33.91	166.40	1.000	0.000	1.00	1.484	1.48	80.5	0.0	36.6	
171.0	1.00	1.15	30.887	33.97	165.13	1.000	0.000	1.00	1.472	1.47	80.0	0.0	36.3	
172.0	1.00	1.15	30.938	34.03	163.86	1.000	0.000	1.00	1.459	1.46	79.5	0.0	36.0	
173.0	1.00	1.15	30.989	34.08	162.59	1.000	0.000	1.00	1.447	1.45	78.9	0.0	35.7	
174.0	1.00	1.15	31.041	34.14	161.32	1.000	0.000	1.00	1.434	1.43	78.4	0.0	35.4	
175.0	1.00	1.16	31.091	34.20	160.04	1.000	0.000	1.00	1.422	1.42	77.8	0.0	35.1	
176.0	1.00	1.16	31.142	34.25	158.76	1.000	0.000	1.00	1.409	1.41	77.2	0.0	34.8	
177.0	1.00	1.16	31.193	34.31	157.48	1.000	0.000	1.00	1.397	1.40	76.7	0.0	34.5	
178.0	1.00	1.16	31.243	34.36	156.19	1.000	0.000	1.00	1.384	1.38	76.1	0.0	34.1	
179.0	1.00	1.16	31.293	34.42	154.90	1.000	0.000	1.00	1.372	1.37	75.6	0.0	33.8	
180.0	1.00	1.16	31.343	34.47	153.61	1.000	0.000	1.00	1.359	1.36	75.0	0.0	33.5	
180.5	1.00	1.17	31.372	34.50	152.85	1.000	0.000	0.58	0.787	0.79	43.5	0.0	19.4	
Totals:									180.58			18,871.0	0.0	17,044.2

Appertunance(s)

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 0.9D + 1.6W 105.00 mph with No Ice (Reduced DL) 44 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 0.90
Wind Load Factor: 1.60

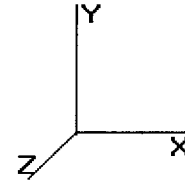
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
180.0	Andrew SBNH-	2	31.589	34.748	0.56	0.75	12.87	0.000	5.000	715.53	0.00	3,577.64	109.44
180.0	Ericsson RRUS-11 800	6	31.589	34.748	0.38	0.75	5.67	0.000	5.000	315.23	0.00	1,576.16	291.60
180.0	KMW AM-X-CD-17-65-	1	31.589	34.748	0.75	0.75	8.48	0.000	5.000	471.60	0.00	2,357.99	53.55
180.0	LGP Allgon LGP21903	6	31.589	34.748	0.38	0.75	0.52	0.000	5.000	28.77	0.00	143.86	29.70
180.0	Platform w/ Handrail	1	31.343	34.477	1.00	1.00	27.20	0.000	0.000	1,500.43	0.00	0.00	1,800.00
180.0	Powerwave 7770.00	6	31.589	34.748	0.49	0.75	16.12	0.000	5.000	896.04	0.00	4,480.18	189.00
180.0	Powerwave LGP17201	6	31.589	34.748	0.38	0.75	3.76	0.000	5.000	208.90	0.00	1,044.52	167.40
180.0	Raycap DC6-48-60-18-	1	31.589	34.748	0.38	0.75	0.42	0.000	5.000	23.14	0.00	115.71	18.00
										4,159.64			2,658.69

Pole : 302496
 Location : Clch - Colchester, CT
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 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Load Case: 0.9D + 1.6W

105.00 mph with No Ice (Reduced DL)

44 Iterations

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

Wind Importance Factor : 1.00

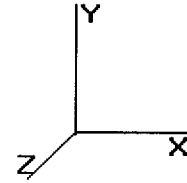
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	118.63	187.18	0.00	0.00
2.00	118.22	186.56	0.00	0.00
3.00	117.81	185.94	0.00	0.00
4.00	117.40	185.31	0.00	0.00
5.00	116.99	184.69	0.00	0.00
6.00	116.57	184.07	0.00	0.00
7.00	116.16	183.44	0.00	0.00
8.00	115.75	182.82	0.00	0.00
9.00	115.34	182.19	0.00	0.00
10.00	114.93	181.57	0.00	0.00
11.00	114.52	180.95	0.00	0.00
12.00	114.10	180.32	0.00	0.00
13.00	113.69	179.70	0.00	0.00
14.00	113.28	179.08	0.00	0.00
15.00	112.87	178.45	0.00	0.00
16.00	112.46	177.83	0.00	0.00
17.00	112.04	177.21	0.00	0.00
18.00	111.63	176.58	0.00	0.00
19.00	111.22	175.96	0.00	0.00
20.00	110.81	175.34	0.00	0.00
21.00	110.40	174.71	0.00	0.00
22.00	109.98	174.09	0.00	0.00
23.00	109.57	173.46	0.00	0.00
24.00	109.16	172.84	0.00	0.00
25.00	108.75	172.22	0.00	0.00
26.00	108.34	171.59	0.00	0.00
27.00	107.93	170.97	0.00	0.00
28.00	107.51	170.35	0.00	0.00
29.00	107.10	169.72	0.00	0.00
30.00	106.78	169.10	0.00	0.00
31.00	107.37	168.48	0.00	0.00
32.00	107.93	167.85	0.00	0.00
33.00	108.46	167.23	0.00	0.00
34.00	108.96	166.61	0.00	0.00
35.00	109.43	165.98	0.00	0.00
36.00	109.88	165.36	0.00	0.00
37.00	110.31	164.73	0.00	0.00
38.00	110.71	164.11	0.00	0.00
39.00	111.09	163.49	0.00	0.00
40.00	111.45	162.86	0.00	0.00
41.00	111.79	162.24	0.00	0.00
42.00	112.11	161.62	0.00	0.00
43.00	112.41	160.99	0.00	0.00
44.00	112.69	160.37	0.00	0.00
44.75	84.62	119.87	0.00	0.00
45.00	28.19	34.58	0.00	0.00
46.00	113.20	137.98	0.00	0.00
47.00	113.43	137.44	0.00	0.00
48.00	113.64	136.91	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 0.9D + 1.6W

105.00 mph with No Ice (Reduced DL)

44 Iterations

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

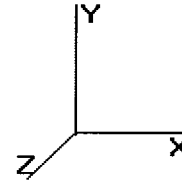
Wind Importance Factor : 1.00

49.00	113.84	136.37	0.00	0.00
50.00	114.02	135.84	0.00	0.00
51.00	114.19	135.30	0.00	0.00
52.00	114.34	134.77	0.00	0.00
53.00	114.48	134.23	0.00	0.00
54.00	114.60	133.70	0.00	0.00
55.00	114.71	133.17	0.00	0.00
56.00	114.81	132.63	0.00	0.00
57.00	114.90	132.10	0.00	0.00
58.00	114.98	131.56	0.00	0.00
59.00	115.04	131.03	0.00	0.00
60.00	115.09	130.49	0.00	0.00
61.00	115.13	129.96	0.00	0.00
62.00	115.16	129.42	0.00	0.00
63.00	115.18	128.89	0.00	0.00
64.00	115.18	128.36	0.00	0.00
65.00	115.18	127.82	0.00	0.00
66.00	115.17	127.29	0.00	0.00
67.00	115.15	126.75	0.00	0.00
68.00	115.11	126.22	0.00	0.00
69.00	115.07	125.68	0.00	0.00
70.00	115.02	125.15	0.00	0.00
71.00	114.96	124.61	0.00	0.00
72.00	114.89	124.08	0.00	0.00
73.00	114.81	123.55	0.00	0.00
74.00	114.73	123.01	0.00	0.00
75.00	114.63	122.48	0.00	0.00
76.00	114.53	121.94	0.00	0.00
77.00	114.42	121.41	0.00	0.00
78.00	114.30	120.87	0.00	0.00
79.00	114.17	120.34	0.00	0.00
80.00	114.04	119.80	0.00	0.00
81.00	113.90	119.27	0.00	0.00
82.00	113.75	118.73	0.00	0.00
83.00	113.59	118.20	0.00	0.00
84.00	113.43	117.67	0.00	0.00
85.00	113.25	117.13	0.00	0.00
85.75	84.79	87.50	0.00	0.00
86.00	28.22	20.27	0.00	0.00
87.00	112.89	80.84	0.00	0.00
88.00	112.70	80.49	0.00	0.00
89.00	112.50	80.13	0.00	0.00
90.00	112.30	79.77	0.00	0.00
91.00	112.09	79.42	0.00	0.00
92.00	111.87	79.06	0.00	0.00
93.00	111.65	78.70	0.00	0.00
94.00	111.42	78.35	0.00	0.00
95.00	111.18	77.99	0.00	0.00
96.00	110.94	77.63	0.00	0.00
97.00	110.69	77.28	0.00	0.00
98.00	110.44	76.92	0.00	0.00
99.00	110.18	76.57	0.00	0.00
100.0	109.91	76.21	0.00	0.00
101.0	109.64	75.85	0.00	0.00
102.0	109.37	75.50	0.00	0.00
103.0	109.09	75.14	0.00	0.00
104.0	108.80	74.78	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
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 Taper : 0.144532 (in/ft)

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

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Load Case: 0.9D + 1.6W

105.00 mph with No Ice (Reduced DL)

44 Iterations

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

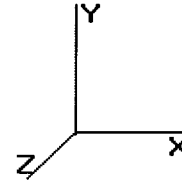
Wind Importance Factor : 1.00

105.0	108.51	74.43	0.00	0.00
106.0	108.21	74.07	0.00	0.00
107.0	107.91	73.72	0.00	0.00
108.0	107.60	73.36	0.00	0.00
109.0	107.29	73.00	0.00	0.00
110.0	106.97	72.65	0.00	0.00
111.0	106.65	72.29	0.00	0.00
112.0	106.32	71.93	0.00	0.00
113.0	105.99	71.58	0.00	0.00
114.0	105.66	71.22	0.00	0.00
115.0	105.31	70.86	0.00	0.00
116.0	104.97	70.51	0.00	0.00
117.0	104.62	70.15	0.00	0.00
118.0	104.26	69.80	0.00	0.00
119.0	103.90	69.44	0.00	0.00
120.0	103.54	69.08	0.00	0.00
121.0	103.17	68.73	0.00	0.00
122.0	102.80	68.37	0.00	0.00
123.0	102.42	68.01	0.00	0.00
124.0	102.04	67.66	0.00	0.00
125.0	101.66	67.30	0.00	0.00
125.5	50.65	33.52	0.00	0.00
126.0	50.56	29.88	0.00	0.00
127.0	100.87	59.52	0.00	0.00
128.0	100.47	59.21	0.00	0.00
129.0	100.07	58.89	0.00	0.00
130.0	99.67	58.58	0.00	0.00
131.0	99.26	58.27	0.00	0.00
132.0	98.84	57.96	0.00	0.00
133.0	98.43	57.65	0.00	0.00
134.0	98.01	57.34	0.00	0.00
135.0	97.58	57.02	0.00	0.00
136.0	97.15	56.71	0.00	0.00
137.0	96.72	56.40	0.00	0.00
138.0	96.28	56.09	0.00	0.00
139.0	95.84	55.78	0.00	0.00
140.0	95.40	55.46	0.00	0.00
141.0	94.95	55.15	0.00	0.00
142.0	94.50	54.84	0.00	0.00
143.0	94.05	54.53	0.00	0.00
144.0	93.59	54.22	0.00	0.00
145.0	93.13	53.91	0.00	0.00
146.0	92.66	53.59	0.00	0.00
147.0	92.19	53.28	0.00	0.00
148.0	91.72	52.97	0.00	0.00
149.0	91.25	52.66	0.00	0.00
150.0	90.77	52.35	0.00	0.00
151.0	90.29	52.03	0.00	0.00
152.0	89.80	51.72	0.00	0.00
153.0	89.31	51.41	0.00	0.00
154.0	88.82	51.10	0.00	0.00
155.0	88.33	50.79	0.00	0.00
156.0	87.83	50.48	0.00	0.00
157.0	87.33	50.16	0.00	0.00
158.0	86.82	49.85	0.00	0.00
159.0	86.32	49.54	0.00	0.00
160.0	85.81	49.23	0.00	0.00

Pole : 302496
Location : Clch - Colchester, CT
Height : 180.5 (ft)
Base Dia : 41.70 (in)
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Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1
Base Elev : 0.000 (ft)

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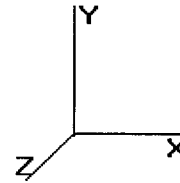
Load Case: 0.9D + 1.6W 105.00 mph with No Ice (Reduced DL) 44 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 0.90
Wind Load Factor : 1.60

161.0	85.29	48.92	0.00	0.00
162.0	84.78	48.61	0.00	0.00
163.0	84.26	48.29	0.00	0.00
164.0	83.74	47.98	0.00	0.00
165.0	83.21	47.67	0.00	0.00
166.0	82.68	47.36	0.00	0.00
167.0	82.15	47.05	0.00	0.00
168.0	81.62	46.73	0.00	0.00
169.0	81.08	46.42	0.00	0.00
170.0	80.54	46.11	0.00	0.00
171.0	80.00	45.80	0.00	0.00
172.0	79.45	45.49	0.00	0.00
173.0	78.90	45.18	0.00	0.00
174.0	78.35	44.86	0.00	0.00
175.0	77.80	44.55	0.00	0.00
176.0	77.24	44.24	0.00	0.00
177.0	76.68	43.93	0.00	0.00
178.0	76.12	43.62	0.00	0.00
179.0	75.55	43.31	0.00	0.00
180.0	4,234.63	2,701.68	0.00	13,296.07
180.5	43.46	19.41	0.00	0.00
Totals:	23,030.60	21,408.60	0.00	13,296.07

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
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Load Case: 0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)	44 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

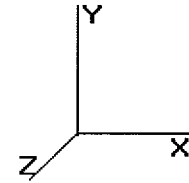
Calculated Forces

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	-21.40	-23.04	0.00	-2,490.11	0.00	2,490.11	4,173.88	2,086.94	7,090.68	3,501.82	0.00	0.00	0.716
1.00	-21.19	-22.94	0.00	-2,467.07	0.00	2,467.07	4,164.30	2,082.15	7,049.35	3,481.41	0.01	-0.06	0.714
2.00	-20.98	-22.84	0.00	-2,444.13	0.00	2,444.13	4,154.67	2,077.34	7,008.08	3,461.03	0.02	-0.11	0.711
3.00	-20.77	-22.75	0.00	-2,421.29	0.00	2,421.29	4,145.02	2,072.51	6,966.87	3,440.67	0.05	-0.17	0.709
4.00	-20.56	-22.65	0.00	-2,398.54	0.00	2,398.54	4,135.32	2,067.66	6,925.71	3,420.35	0.09	-0.22	0.706
5.00	-20.36	-22.55	0.00	-2,375.89	0.00	2,375.89	4,125.60	2,062.80	6,884.61	3,400.05	0.15	-0.28	0.704
6.00	-20.15	-22.45	0.00	-2,353.34	0.00	2,353.34	4,115.83	2,057.92	6,843.57	3,379.78	0.21	-0.34	0.701
7.00	-19.95	-22.35	0.00	-2,330.89	0.00	2,330.89	4,106.03	2,053.02	6,802.59	3,359.54	0.29	-0.39	0.699
8.00	-19.74	-22.26	0.00	-2,308.54	0.00	2,308.54	4,096.20	2,048.10	6,761.66	3,339.33	0.38	-0.45	0.696
9.00	-19.54	-22.16	0.00	-2,286.28	0.00	2,286.28	4,086.33	2,043.16	6,720.80	3,319.15	0.48	-0.50	0.694
10.00	-19.34	-22.06	0.00	-2,264.12	0.00	2,264.12	4,076.42	2,038.21	6,680.00	3,299.00	0.59	-0.56	0.691
11.00	-19.14	-21.96	0.00	-2,242.06	0.00	2,242.06	4,066.48	2,033.24	6,639.26	3,278.88	0.71	-0.62	0.689
12.00	-18.94	-21.87	0.00	-2,220.09	0.00	2,220.09	4,056.51	2,028.25	6,598.58	3,258.79	0.85	-0.67	0.686
13.00	-18.74	-21.77	0.00	-2,198.23	0.00	2,198.23	4,046.49	2,023.25	6,557.96	3,238.73	1.00	-0.73	0.683
14.00	-18.54	-21.67	0.00	-2,176.46	0.00	2,176.46	4,036.45	2,018.22	6,517.41	3,218.70	1.16	-0.79	0.681
15.00	-18.34	-21.58	0.00	-2,154.79	0.00	2,154.79	4,026.36	2,013.18	6,476.92	3,198.71	1.33	-0.84	0.678
16.00	-18.14	-21.48	0.00	-2,133.21	0.00	2,133.21	4,016.25	2,008.12	6,436.49	3,178.74	1.51	-0.90	0.676
17.00	-17.95	-21.38	0.00	-2,111.73	0.00	2,111.73	4,006.09	2,003.05	6,396.13	3,158.81	1.71	-0.96	0.673
18.00	-17.75	-21.28	0.00	-2,090.35	0.00	2,090.35	3,995.91	1,997.95	6,355.84	3,138.91	1.91	-1.01	0.671
19.00	-17.55	-21.19	0.00	-2,069.07	0.00	2,069.07	3,985.68	1,992.84	6,315.61	3,119.04	2.13	-1.07	0.668
20.00	-17.36	-21.09	0.00	-2,047.88	0.00	2,047.88	3,975.42	1,987.71	6,275.45	3,099.21	2.36	-1.13	0.665
21.00	-17.17	-20.99	0.00	-2,026.79	0.00	2,026.79	3,965.13	1,982.56	6,235.36	3,079.41	2.60	-1.19	0.663
22.00	-16.97	-20.90	0.00	-2,005.80	0.00	2,005.80	3,954.48	1,977.24	6,194.84	3,059.40	2.86	-1.24	0.660
23.00	-16.78	-20.80	0.00	-1,984.90	0.00	1,984.90	3,939.47	1,969.74	6,147.64	3,036.09	3.13	-1.30	0.658
24.00	-16.59	-20.70	0.00	-1,964.10	0.00	1,964.10	3,924.46	1,962.23	6,100.62	3,012.87	3.40	-1.36	0.656
25.00	-16.40	-20.61	0.00	-1,943.40	0.00	1,943.40	3,909.45	1,954.73	6,053.78	2,989.74	3.69	-1.41	0.654
26.00	-16.21	-20.51	0.00	-1,922.79	0.00	1,922.79	3,894.45	1,947.22	6,007.13	2,966.69	4.00	-1.47	0.652
27.00	-16.02	-20.41	0.00	-1,902.28	0.00	1,902.28	3,879.44	1,939.72	5,960.65	2,943.74	4.31	-1.53	0.650
28.00	-15.84	-20.32	0.00	-1,881.87	0.00	1,881.87	3,864.43	1,932.22	5,914.36	2,920.88	4.64	-1.59	0.648
29.00	-15.65	-20.22	0.00	-1,861.55	0.00	1,861.55	3,849.42	1,924.71	5,868.24	2,898.10	4.98	-1.64	0.647
30.00	-15.46	-20.13	0.00	-1,841.33	0.00	1,841.33	3,834.41	1,917.21	5,822.31	2,875.42	5.33	-1.70	0.645
31.00	-15.28	-20.03	0.00	-1,821.20	0.00	1,821.20	3,819.41	1,909.70	5,776.55	2,852.82	5.69	-1.76	0.642
32.00	-15.09	-19.93	0.00	-1,801.17	0.00	1,801.17	3,804.40	1,902.20	5,730.98	2,830.32	6.06	-1.82	0.640
33.00	-14.91	-19.83	0.00	-1,781.24	0.00	1,781.24	3,789.39	1,894.70	5,685.59	2,807.90	6.45	-1.87	0.638
34.00	-14.73	-19.73	0.00	-1,761.41	0.00	1,761.41	3,774.38	1,887.19	5,640.38	2,785.57	6.85	-1.93	0.636
35.00	-14.55	-19.63	0.00	-1,741.68	0.00	1,741.68	3,759.37	1,879.69	5,595.34	2,763.33	7.26	-1.99	0.634
36.00	-14.36	-19.53	0.00	-1,722.05	0.00	1,722.05	3,744.37	1,872.18	5,550.49	2,741.18	7.68	-2.05	0.632
37.00	-14.18	-19.43	0.00	-1,702.52	0.00	1,702.52	3,729.36	1,864.68	5,505.82	2,719.12	8.12	-2.11	0.630
38.00	-14.00	-19.33	0.00	-1,683.09	0.00	1,683.09	3,714.35	1,857.18	5,461.33	2,697.15	8.57	-2.16	0.628
39.00	-13.83	-19.22	0.00	-1,663.76	0.00	1,663.76	3,699.34	1,849.67	5,417.02	2,675.26	9.03	-2.22	0.626
40.00	-13.65	-19.12	0.00	-1,644.54	0.00	1,644.54	3,684.33	1,842.17	5,372.89	2,653.47	9.50	-2.28	0.624
41.00	-13.47	-19.01	0.00	-1,625.42	0.00	1,625.42	3,669.33	1,834.66	5,328.94	2,631.76	9.98	-2.34	0.621
42.00	-13.30	-18.91	0.00	-1,606.41	0.00	1,606.41	3,654.32	1,827.16	5,285.17	2,610.15	10.48	-2.39	0.619
43.00	-13.12	-18.80	0.00	-1,587.50	0.00	1,587.50	3,639.31	1,819.66	5,241.59	2,588.62	10.98	-2.45	0.617
44.00	-12.95	-18.70	0.00	-1,568.69	0.00	1,568.69	3,624.30	1,812.15	5,198.18	2,567.18	11.50	-2.51	0.615
44.75	-12.82	-18.61	0.00	-1,554.67	0.00	1,554.67	3,613.05	1,806.52	5,165.74	2,551.17	11.90	-2.55	0.613
44.75	-12.82	-18.61	0.00	-1,554.67	0.00	1,554.67	3,037.33	1,518.66	4,358.22	2,152.36	11.90	-2.55	0.727
45.00	-12.78	-18.59	0.00	-1,550.02	0.00	1,550.02	3,035.24	1,517.62	4,350.67	2,148.63	12.04	-2.57	0.726
46.00	-12.62	-18.49	0.00	-1,531.43	0.00	1,531.43	3,026.89	1,513.44	4,320.50	2,133.73	12.58	-2.64	0.722
47.00	-12.47	-18.38	0.00	-1,512.94	0.00	1,512.94	3,018.50	1,509.25	4,290.37	2,118.85	13.14	-2.70	0.718
48.00	-12.32	-18.28	0.00	-1,494.56	0.00	1,494.56	3,010.08	1,505.04	4,260.30	2,104.00	13.71	-2.77	0.715

Pole : 302496
Location : Clch - Colchester, CT
Height : 180.5 (ft)
Base Dia : 41.70 (in)
Top Dia : 15.60 (in)
Shape : 12 Sides
Taper : 0.144532 (in/ft)

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

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Load Case: 0.9D + 1.6W 105.00 mph with No Ice (Reduced DL) 44 Iterations

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

49.00	-12.16	-18.17	0.00	-1,476.28	0.00	1,476.28	3,001.62	1,500.81	4,230.28	2,089.17	14.30	-2.84	0.711
50.00	-12.01	-18.06	0.00	-1,458.11	0.00	1,458.11	2,993.12	1,496.56	4,200.31	2,074.37	14.90	-2.91	0.707
51.00	-11.86	-17.96	0.00	-1,440.05	0.00	1,440.05	2,984.59	1,492.30	4,170.39	2,059.60	15.52	-2.97	0.703
52.00	-11.71	-17.85	0.00	-1,422.09	0.00	1,422.09	2,976.02	1,488.01	4,140.52	2,044.85	16.15	-3.04	0.700
53.00	-11.56	-17.74	0.00	-1,404.24	0.00	1,404.24	2,967.42	1,483.71	4,110.71	2,030.13	16.79	-3.11	0.696
54.00	-11.42	-17.63	0.00	-1,386.50	0.00	1,386.50	2,958.79	1,479.39	4,080.96	2,015.43	17.45	-3.18	0.692
55.00	-11.27	-17.52	0.00	-1,368.87	0.00	1,368.87	2,950.11	1,475.06	4,051.26	2,000.76	18.12	-3.24	0.688
56.00	-11.12	-17.42	0.00	-1,351.34	0.00	1,351.34	2,941.41	1,470.70	4,021.62	1,986.12	18.81	-3.31	0.684
57.00	-10.98	-17.31	0.00	-1,333.93	0.00	1,333.93	2,932.66	1,466.33	3,992.03	1,971.51	19.51	-3.38	0.680
58.00	-10.83	-17.20	0.00	-1,316.62	0.00	1,316.62	2,923.89	1,461.94	3,962.50	1,956.93	20.22	-3.45	0.677
59.00	-10.69	-17.09	0.00	-1,299.43	0.00	1,299.43	2,915.07	1,457.54	3,933.03	1,942.37	20.95	-3.51	0.673
60.00	-10.54	-16.98	0.00	-1,282.34	0.00	1,282.34	2,906.28	1,453.14	3,903.69	1,927.89	21.70	-3.58	0.669
61.00	-10.40	-16.86	0.00	-1,265.36	0.00	1,265.36	2,897.42	1,448.71	3,874.38	1,913.41	22.45	-3.65	0.666
62.00	-10.26	-16.75	0.00	-1,248.50	0.00	1,248.50	2,888.56	1,444.28	3,845.10	1,899.04	23.22	-3.72	0.663
63.00	-10.12	-16.64	0.00	-1,231.75	0.00	1,231.75	2,879.71	1,439.85	3,815.87	1,884.72	24.01	-3.78	0.660
64.00	-9.98	-16.53	0.00	-1,215.10	0.00	1,215.10	2,870.85	1,435.41	3,786.68	1,870.43	24.81	-3.85	0.657
65.00	-9.84	-16.42	0.00	-1,198.57	0.00	1,198.57	2,861.99	1,430.98	3,757.63	1,856.19	25.62	-3.92	0.654
66.00	-9.70	-16.31	0.00	-1,182.15	0.00	1,182.15	2,853.14	1,426.54	3,728.71	1,842.00	26.45	-3.99	0.651
67.00	-9.57	-16.19	0.00	-1,165.85	0.00	1,165.85	2,844.28	1,422.10	3,700.00	1,827.94	27.29	-4.05	0.648
68.00	-9.43	-16.08	0.00	-1,149.65	0.00	1,149.65	2,835.42	1,417.66	3,671.51	1,813.94	28.15	-4.12	0.645
69.00	-9.29	-15.97	0.00	-1,133.57	0.00	1,133.57	2,826.56	1,413.21	3,643.25	1,800.07	29.02	-4.19	0.642
70.00	-9.16	-15.86	0.00	-1,117.61	0.00	1,117.61	2,817.70	1,408.77	3,615.12	1,786.28	29.90	-4.26	0.638
71.00	-9.02	-15.74	0.00	-1,101.75	0.00	1,101.75	2,808.84	1,404.32	3,587.12	1,772.58	30.80	-4.32	0.635
72.00	-8.89	-15.63	0.00	-1,086.01	0.00	1,086.01	2,800.00	1,400.00	3,559.25	1,758.94	31.71	-4.39	0.632
73.00	-8.76	-15.51	0.00	-1,070.38	0.00	1,070.38	2,791.16	1,395.59	3,531.51	1,745.35	32.64	-4.46	0.629
74.00	-8.63	-15.40	0.00	-1,054.87	0.00	1,054.87	2,782.32	1,391.14	3,503.91	1,731.81	33.58	-4.53	0.626
75.00	-8.50	-15.29	0.00	-1,039.47	0.00	1,039.47	2,773.48	1,386.70	3,476.45	1,718.31	34.53	-4.59	0.622
76.00	-8.37	-15.17	0.00	-1,024.18	0.00	1,024.18	2,764.64	1,382.26	3,449.14	1,704.85	35.50	-4.66	0.619
77.00	-8.24	-15.06	0.00	-1,009.01	0.00	1,009.01	2,755.80	1,377.81	3,421.97	1,691.43	36.48	-4.73	0.616
78.00	-8.11	-14.94	0.00	-993.95	0.00	993.95	2,747.00	1,373.37	3,394.93	1,678.05	37.48	-4.79	0.612
79.00	-7.98	-14.83	0.00	-979.01	0.00	979.01	2,738.20	1,368.92	3,368.03	1,664.71	38.49	-4.86	0.609
80.00	-7.85	-14.71	0.00	-964.18	0.00	964.18	2,729.40	1,364.47	3,341.27	1,651.41	39.51	-4.93	0.606
81.00	-7.73	-14.60	0.00	-949.46	0.00	949.46	2,720.60	1,360.02	3,314.65	1,638.15	40.55	-5.00	0.602
82.00	-7.60	-14.48	0.00	-934.86	0.00	934.86	2,711.80	1,355.57	3,288.17	1,624.93	41.60	-5.06	0.599
83.00	-7.48	-14.37	0.00	-920.38	0.00	920.38	2,703.00	1,351.12	3,261.82	1,611.75	42.67	-5.13	0.596
84.00	-7.35	-14.26	0.00	-906.01	0.00	906.01	2,694.20	1,346.67	3,235.60	1,598.60	43.75	-5.20	0.592
85.00	-7.23	-14.14	0.00	-891.75	0.00	891.75	2,685.40	1,342.22	3,209.51	1,585.49	44.84	-5.26	0.589
85.75	-7.15	-14.05	0.00	-881.15	0.00	881.15	2,676.60	1,337.77	3,183.54	1,572.41	45.67	-5.31	0.586
85.75	-7.15	-14.05	0.00	-881.15	0.00	881.15	2,667.80	1,333.32	3,157.69	1,559.36	45.67	-5.31	0.969
86.00	-7.11	-14.03	0.00	-877.64	0.00	877.64	2,659.00	1,328.87	3,131.95	1,546.34	45.95	-5.33	0.967
87.00	-7.02	-13.92	0.00	-863.61	0.00	863.61	2,650.20	1,324.42	3,106.32	1,533.36	47.07	-5.43	0.958
88.00	-6.93	-13.81	0.00	-849.69	0.00	849.69	2,641.40	1,320.00	3,080.81	1,520.41	48.22	-5.53	0.950
89.00	-6.83	-13.70	0.00	-835.88	0.00	835.88	2,632.60	1,315.57	3,055.41	1,507.49	49.39	-5.62	0.942
90.00	-6.74	-13.60	0.00	-822.17	0.00	822.17	2,623.80	1,311.14	3,030.11	1,494.60	50.57	-5.72	0.934
91.00	-6.65	-13.49	0.00	-808.58	0.00	808.58	2,615.00	1,306.71	3,004.91	1,481.74	51.78	-5.82	0.926
92.00	-6.56	-13.38	0.00	-795.09	0.00	795.09	2,606.20	1,302.28	2,979.81	1,468.91	53.01	-5.92	0.918
93.00	-6.47	-13.27	0.00	-781.71	0.00	781.71	2,597.40	1,297.85	2,954.81	1,456.11	54.26	-6.02	0.910
94.00	-6.38	-13.16	0.00	-768.44	0.00	768.44	2,588.60	1,293.42	2,929.91	1,443.34	55.53	-6.11	0.902
95.00	-6.30	-13.06	0.00	-755.27	0.00	755.27	2,579.80	1,288.99	2,905.11	1,430.60	56.81	-6.21	0.893
96.00	-6.21	-12.95	0.00	-742.22	0.00	742.22	2,571.00	1,284.56	2,880.41	1,417.89	58.12	-6.31	0.885
97.00	-6.12	-12.84	0.00	-729.27	0.00	729.27	2,562.20	1,280.13	2,855.81	1,405.21	59.45	-6.41	0.877
98.00	-6.04	-12.73	0.00	-716.43	0.00	716.43	2,553.40	1,275.70	2,831.41	1,392.56	60.80	-6.50	0.869
99.00	-5.95	-12.62	0.00	-703.70	0.00	703.70	2,544.60	1,271.27	2,807.11	1,379.94	62.17	-6.60	0.861
100.00	-5.87	-12.51	0.00	-691.08	0.00	691.08	2,535.80	1,266.84	2,782.91	1,367.36	63.56	-6.70	0.852
101.00	-5.79	-12.41	0.00	-678.57	0.00	678.57	2,527.00	1,262.41	2,758.81	1,354.81	64.97	-6.79	0.844
102.00	-5.70	-12.30	0.00	-666.16	0.00	666.16	2,518.20	1,257.98	2,734.81	1,342.29	66.40	-6.89	0.836
103.00	-5.62	-12.19	0.00	-653.86	0.00	653.86	2,509.40	1,253.55	2,710.91	1,329.81	67.85	-6.99	0.828

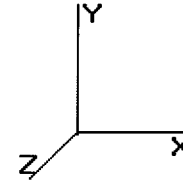
Pole : 302496
Location : Clch - Colchester, CT
Height : 180.5 (ft)
Base Dia : 41.70 (in)
Top Dia : 15.60 (in)
Shape : 12 Sides
Taper : 0.144532 (in/ft)

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

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Load Case: 0.9D + 1.6W

105.00 mph with No Ice (Reduced DL)

44 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

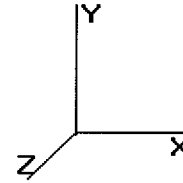
Wind Load Factor : 1.60

104.00	-5.54	-12.08	0.00	-641.67	0.00	641.67	1,463.52	731.76	1,593.65	787.04	69.32	-7.08	0.819
105.00	-5.46	-11.97	0.00	-629.59	0.00	629.59	1,458.73	729.37	1,579.66	780.14	70.81	-7.18	0.811
106.00	-5.38	-11.87	0.00	-617.61	0.00	617.61	1,453.91	726.95	1,565.69	773.24	72.32	-7.27	0.803
107.00	-5.30	-11.76	0.00	-605.75	0.00	605.75	1,449.04	724.52	1,551.74	766.35	73.85	-7.37	0.794
108.00	-5.22	-11.65	0.00	-593.99	0.00	593.99	1,444.15	722.07	1,537.82	759.47	75.40	-7.46	0.786
109.00	-5.15	-11.54	0.00	-582.33	0.00	582.33	1,439.21	719.61	1,523.91	752.60	76.97	-7.56	0.778
110.00	-5.07	-11.44	0.00	-570.79	0.00	570.79	1,434.25	717.12	1,510.03	745.75	78.56	-7.65	0.769
111.00	-4.99	-11.33	0.00	-559.35	0.00	559.35	1,429.24	714.62	1,496.17	738.90	80.16	-7.74	0.761
112.00	-4.92	-11.22	0.00	-548.02	0.00	548.02	1,424.21	712.10	1,482.33	732.07	81.79	-7.84	0.752
113.00	-4.84	-11.12	0.00	-536.80	0.00	536.80	1,419.13	709.57	1,468.51	725.24	83.44	-7.93	0.744
114.00	-4.77	-11.01	0.00	-525.68	0.00	525.68	1,414.02	707.01	1,454.73	718.43	85.10	-8.02	0.735
115.00	-4.70	-10.90	0.00	-514.67	0.00	514.67	1,408.88	704.44	1,440.96	711.64	86.79	-8.12	0.727
116.00	-4.63	-10.80	0.00	-503.77	0.00	503.77	1,403.70	701.85	1,427.22	704.85	88.49	-8.21	0.718
117.00	-4.55	-10.69	0.00	-492.98	0.00	492.98	1,398.48	699.24	1,413.51	698.08	90.22	-8.30	0.710
118.00	-4.48	-10.58	0.00	-482.29	0.00	482.29	1,393.23	696.62	1,399.83	691.32	91.96	-8.39	0.701
119.00	-4.41	-10.48	0.00	-471.70	0.00	471.70	1,387.95	693.97	1,386.17	684.58	93.72	-8.48	0.692
120.00	-4.34	-10.37	0.00	-461.22	0.00	461.22	1,382.63	691.31	1,372.54	677.85	95.50	-8.57	0.684
121.00	-4.28	-10.27	0.00	-450.85	0.00	450.85	1,377.27	688.64	1,358.94	671.13	97.30	-8.66	0.675
122.00	-4.21	-10.16	0.00	-440.59	0.00	440.59	1,371.88	685.94	1,345.37	664.43	99.11	-8.75	0.666
123.00	-4.14	-10.06	0.00	-430.42	0.00	430.42	1,366.45	683.23	1,331.83	657.74	100.95	-8.84	0.658
124.00	-4.07	-9.95	0.00	-420.37	0.00	420.37	1,360.99	680.49	1,318.33	651.07	102.80	-8.93	0.649
125.00	-4.01	-9.84	0.00	-410.42	0.00	410.42	1,355.49	677.74	1,304.85	644.42	104.68	-9.02	0.640
125.50	-3.98	-9.79	0.00	-405.50	0.00	405.50	1,352.73	676.36	1,298.12	641.09	105.62	-9.06	0.636
125.50	-3.98	-9.79	0.00	-405.50	0.00	405.50	1,127.00	563.50	1,084.41	535.55	105.62	-9.06	0.761
126.00	-3.95	-9.74	0.00	-400.60	0.00	400.60	1,124.94	562.47	1,079.04	532.90	106.57	-9.11	0.756
127.00	-3.89	-9.64	0.00	-390.86	0.00	390.86	1,120.78	560.39	1,068.31	527.60	108.48	-9.21	0.745
128.00	-3.83	-9.54	0.00	-381.22	0.00	381.22	1,116.59	558.29	1,057.61	522.31	110.41	-9.31	0.734
129.00	-3.77	-9.44	0.00	-371.68	0.00	371.68	1,112.36	556.18	1,046.91	517.03	112.36	-9.40	0.723
130.00	-3.71	-9.34	0.00	-362.24	0.00	362.24	1,108.10	554.05	1,036.24	511.76	114.33	-9.50	0.711
131.00	-3.66	-9.23	0.00	-352.91	0.00	352.91	1,103.80	551.90	1,025.58	506.50	116.32	-9.60	0.700
132.00	-3.60	-9.13	0.00	-343.67	0.00	343.67	1,099.47	549.73	1,014.94	501.24	118.33	-9.69	0.689
133.00	-3.54	-9.03	0.00	-334.54	0.00	334.54	1,095.10	547.55	1,004.33	496.00	120.36	-9.79	0.678
134.00	-3.49	-8.93	0.00	-325.51	0.00	325.51	1,090.69	545.35	993.73	490.77	122.41	-9.88	0.667
135.00	-3.44	-8.83	0.00	-316.58	0.00	316.58	1,086.26	543.13	983.15	485.54	124.48	-9.98	0.655
136.00	-3.38	-8.73	0.00	-307.75	0.00	307.75	1,081.78	540.89	972.60	480.33	126.57	-10.07	0.644
137.00	-3.33	-8.63	0.00	-299.02	0.00	299.02	1,077.27	538.64	962.07	475.13	128.68	-10.16	0.633
138.00	-3.28	-8.53	0.00	-290.39	0.00	290.39	1,072.73	536.36	951.56	469.94	130.81	-10.25	0.621
139.00	-3.23	-8.43	0.00	-281.85	0.00	281.85	1,068.14	534.07	941.07	464.76	132.96	-10.35	0.610
140.00	-3.18	-8.33	0.00	-273.42	0.00	273.42	1,063.53	531.76	930.61	459.59	135.12	-10.44	0.598
141.00	-3.13	-8.23	0.00	-265.09	0.00	265.09	1,058.88	529.44	920.17	454.44	137.30	-10.52	0.587
142.00	-3.08	-8.14	0.00	-256.85	0.00	256.85	1,054.19	527.09	909.76	449.30	139.50	-10.61	0.575
143.00	-3.03	-8.04	0.00	-248.72	0.00	248.72	1,049.47	524.73	899.37	444.17	141.72	-10.70	0.563
144.00	-2.98	-7.94	0.00	-240.68	0.00	240.68	1,044.71	522.35	889.01	439.05	143.96	-10.78	0.551
145.00	-2.94	-7.84	0.00	-232.74	0.00	232.74	1,039.92	519.96	878.68	433.95	146.22	-10.87	0.539
146.00	-2.89	-7.75	0.00	-224.89	0.00	224.89	1,035.09	517.54	868.38	428.86	148.49	-10.95	0.527
147.00	-2.84	-7.65	0.00	-217.15	0.00	217.15	1,030.22	515.11	858.10	423.79	150.78	-11.04	0.515
148.00	-2.80	-7.55	0.00	-209.50	0.00	209.50	1,025.32	512.66	847.86	418.72	153.08	-11.12	0.503
149.00	-2.75	-7.46	0.00	-201.94	0.00	201.94	1,020.39	510.19	837.64	413.68	155.41	-11.20	0.491
150.00	-2.71	-7.36	0.00	-194.48	0.00	194.48	1,015.42	507.71	827.46	408.65	157.74	-11.28	0.479
151.00	-2.67	-7.27	0.00	-187.12	0.00	187.12	1,010.41	505.21	817.30	403.63	160.10	-11.35	0.466
152.00	-2.63	-7.17	0.00	-179.85	0.00	179.85	1,005.37	502.69	807.18	398.64	162.47	-11.43	0.454
153.00	-2.58	-7.08	0.00	-172.68	0.00	172.68	1,000.30	500.15	797.09	393.65	164.86	-11.51	0.441
154.00	-2.54	-6.98	0.00	-165.60	0.00	165.60	995.19	497.59	787.03	388.69	167.26	-11.58	0.429
155.00	-2.50	-6.89	0.00	-158.62	0.00	158.62	990.04	495.02	777.01	383.74	169.67	-11.65	0.416
156.00	-2.46	-6.80	0.00	-151.73	0.00	151.73	983.06	491.53	765.62	378.11	172.11	-11.72	0.404
157.00	-2.42	-6.70	0.00	-144.93	0.00	144.93	975.56	487.78	753.91	372.33	174.55	-11.79	0.392
158.00	-2.38	-6.61	0.00	-138.22	0.00	138.22	968.05	484.03	742.29	366.59	177.01	-11.86	0.380

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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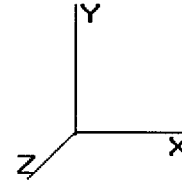
Load Case: 0.9D + 1.6W	105.00 mph with No Ice (Reduced DL)	44 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

159.00	-2.35	-6.52	0.00	-131.61	0.00	131.61	960.55	480.27	730.76	360.90	179.48	-11.93	0.367
160.00	-2.31	-6.43	0.00	-125.09	0.00	125.09	953.04	476.52	719.32	355.25	181.97	-11.99	0.355
161.00	-2.27	-6.34	0.00	-118.66	0.00	118.66	945.54	472.77	707.97	349.64	184.47	-12.05	0.342
162.00	-2.24	-6.25	0.00	-112.32	0.00	112.32	938.04	469.02	696.71	344.08	186.98	-12.11	0.329
163.00	-2.20	-6.16	0.00	-106.08	0.00	106.08	930.53	465.27	685.54	338.56	189.51	-12.17	0.316
164.00	-2.16	-6.07	0.00	-99.92	0.00	99.92	923.03	461.51	674.47	333.09	192.04	-12.23	0.302
165.00	-2.13	-5.98	0.00	-93.85	0.00	93.85	915.52	457.76	663.48	327.67	194.59	-12.28	0.289
166.00	-2.10	-5.89	0.00	-87.88	0.00	87.88	908.02	454.01	652.58	322.29	197.15	-12.33	0.275
167.00	-2.06	-5.80	0.00	-81.99	0.00	81.99	900.52	450.26	641.77	316.95	199.72	-12.38	0.261
168.00	-2.03	-5.71	0.00	-76.19	0.00	76.19	893.01	446.51	631.06	311.65	202.30	-12.43	0.247
169.00	-2.00	-5.62	0.00	-70.48	0.00	70.48	885.51	442.75	620.43	306.41	204.89	-12.48	0.232
170.00	-1.97	-5.54	0.00	-64.85	0.00	64.85	878.00	439.00	609.89	301.20	207.48	-12.52	0.218
171.00	-1.94	-5.45	0.00	-59.31	0.00	59.31	870.50	435.25	599.45	296.04	210.09	-12.56	0.203
172.00	-1.90	-5.36	0.00	-53.86	0.00	53.86	863.00	431.50	589.09	290.93	212.70	-12.60	0.188
173.00	-1.87	-5.28	0.00	-48.50	0.00	48.50	855.49	427.75	578.82	285.86	215.33	-12.64	0.172
174.00	-1.85	-5.19	0.00	-43.22	0.00	43.22	847.99	423.99	568.65	280.83	217.95	-12.67	0.156
175.00	-1.82	-5.11	0.00	-38.03	0.00	38.03	840.48	420.24	558.56	275.85	220.59	-12.70	0.140
176.00	-1.79	-5.02	0.00	-32.92	0.00	32.92	832.98	416.49	548.57	270.92	223.23	-12.72	0.124
177.00	-1.76	-4.94	0.00	-27.90	0.00	27.90	825.48	412.74	538.66	266.02	225.88	-12.75	0.107
178.00	-1.73	-4.86	0.00	-22.95	0.00	22.95	817.97	408.99	528.85	261.18	228.53	-12.77	0.090
179.00	-1.71	-4.77	0.00	-18.10	0.00	18.10	810.47	405.23	519.12	256.38	231.18	-12.78	0.073
180.00	-0.01	-0.05	0.00	-0.03	0.00	0.03	802.96	401.48	509.49	251.62	233.84	-12.80	0.000
180.58	0.00	-0.04	0.00	0.00	0.00	0.00	798.59	399.29	503.91	248.86	235.39	-12.80	0.000

Pole : 302496
 Location : Clich - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 43 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

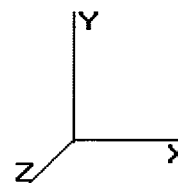
Shaft Segment Forces (Factored)

Seg Top								Ice		Wind		Dead		Tot Dead
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Force X (lb)	Load Ice (lb)	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	3.768	4.52	21.2	58.4	295.3
2.00		1.00	0.70	4.256	4.682	0.000	1.200	1.133	1.00	3.768	4.52	21.2	62.4	298.6
3.00		1.00	0.70	4.256	4.682	0.000	1.200	1.180	1.00	3.763	4.52	21.1	64.9	300.2
4.00		1.00	0.70	4.256	4.682	0.000	1.200	1.215	1.00	3.756	4.51	21.1	66.6	301.0
5.00		1.00	0.70	4.256	4.682	0.000	1.200	1.242	1.00	3.748	4.50	21.1	67.9	301.5
6.00		1.00	0.70	4.256	4.682	0.000	1.200	1.265	1.00	3.740	4.49	21.0	69.0	301.7
7.00		1.00	0.70	4.256	4.682	0.000	1.200	1.285	1.00	3.731	4.48	21.0	69.8	301.8
8.00		1.00	0.70	4.256	4.682	0.000	1.200	1.302	1.00	3.721	4.47	20.9	70.5	301.7
9.00		1.00	0.70	4.256	4.682	0.000	1.200	1.317	1.00	3.711	4.45	20.8	71.2	301.5
10.00		1.00	0.70	4.256	4.682	0.000	1.200	1.331	1.00	3.701	4.44	20.8	71.7	301.1
11.00		1.00	0.70	4.256	4.682	0.000	1.200	1.344	1.00	3.691	4.43	20.7	72.1	300.8
12.00		1.00	0.70	4.256	4.682	0.000	1.200	1.356	1.00	3.680	4.42	20.7	72.5	300.3
13.00		1.00	0.70	4.256	4.682	0.000	1.200	1.367	1.00	3.669	4.40	20.6	72.9	299.9
14.00		1.00	0.70	4.256	4.682	0.000	1.200	1.377	1.00	3.659	4.39	20.6	73.2	299.3
15.00		1.00	0.70	4.256	4.682	0.000	1.200	1.386	1.00	3.648	4.38	20.5	73.5	298.8
16.00		1.00	0.70	4.256	4.682	0.000	1.200	1.395	1.00	3.637	4.36	20.4	73.7	298.2
17.00		1.00	0.70	4.256	4.682	0.000	1.200	1.404	1.00	3.626	4.35	20.4	73.9	297.5
18.00		1.00	0.70	4.256	4.682	0.000	1.200	1.412	1.00	3.615	4.34	20.3	74.1	296.9
19.00		1.00	0.70	4.256	4.682	0.000	1.200	1.419	1.00	3.603	4.32	20.2	74.2	296.2
20.00		1.00	0.70	4.256	4.682	0.000	1.200	1.427	1.00	3.592	4.31	20.2	74.3	295.5
21.00		1.00	0.70	4.256	4.682	0.000	1.200	1.434	1.00	3.581	4.30	20.1	74.4	294.8
22.00		1.00	0.70	4.256	4.682	0.000	1.200	1.440	1.00	3.570	4.28	20.1	74.5	294.0
23.00		1.00	0.70	4.256	4.682	0.000	1.200	1.447	1.00	3.558	4.27	20.0	74.6	293.3
24.00		1.00	0.70	4.256	4.682	0.000	1.200	1.453	1.00	3.547	4.26	19.9	74.7	292.5
25.00		1.00	0.70	4.256	4.682	0.000	1.200	1.459	1.00	3.535	4.24	19.9	74.7	291.7
26.00		1.00	0.70	4.256	4.682	0.000	1.200	1.465	1.00	3.524	4.23	19.8	74.7	290.9
27.00		1.00	0.70	4.256	4.682	0.000	1.200	1.470	1.00	3.512	4.21	19.7	74.7	290.1
28.00		1.00	0.70	4.256	4.682	0.000	1.200	1.476	1.00	3.501	4.20	19.7	74.8	289.2
29.00		1.00	0.70	4.256	4.682	0.000	1.200	1.481	1.00	3.489	4.19	19.6	74.7	288.4
30.00		1.00	0.70	4.260	4.686	0.000	1.200	1.486	1.00	3.477	4.17	19.6	74.7	287.6
31.00		1.00	0.70	4.300	4.730	0.000	1.200	1.491	1.00	3.466	4.16	19.7	74.7	286.7
32.00		1.00	0.71	4.339	4.773	0.000	1.200	1.495	1.00	3.454	4.14	19.8	74.7	285.8
33.00		1.00	0.72	4.377	4.815	0.000	1.200	1.500	1.00	3.442	4.13	19.9	74.6	285.0
34.00		1.00	0.72	4.415	4.856	0.000	1.200	1.504	1.00	3.431	4.12	20.0	74.6	284.1
35.00		1.00	0.73	4.451	4.897	0.000	1.200	1.509	1.00	3.419	4.10	20.1	74.5	283.2
36.00		1.00	0.73	4.487	4.936	0.000	1.200	1.513	1.00	3.407	4.09	20.2	74.5	282.3
37.00		1.00	0.74	4.523	4.975	0.000	1.200	1.517	1.00	3.395	4.07	20.3	74.4	281.4
38.00		1.00	0.75	4.557	5.013	0.000	1.200	1.521	1.00	3.384	4.06	20.4	74.3	280.5
39.00		1.00	0.75	4.591	5.050	0.000	1.200	1.525	1.00	3.372	4.05	20.4	74.2	279.6
40.00		1.00	0.76	4.625	5.087	0.000	1.200	1.529	1.00	3.360	4.03	20.5	74.1	278.6
41.00		1.00	0.76	4.657	5.123	0.000	1.200	1.533	1.00	3.348	4.02	20.6	74.0	277.7
42.00		1.00	0.77	4.689	5.158	0.000	1.200	1.537	1.00	3.336	4.00	20.7	73.9	276.8
43.00		1.00	0.77	4.721	5.193	0.000	1.200	1.540	1.00	3.324	3.99	20.7	73.8	275.8
44.00		1.00	0.78	4.752	5.227	0.000	1.200	1.544	1.00	3.312	3.97	20.8	73.7	274.9
44.75	Top - Section 1	1.00	0.78	4.775	5.253	0.000	1.200	1.546	0.75	2.476	2.97	15.6	55.2	205.6
45.00		1.00	0.78	4.783	5.261	0.000	1.200	1.547	0.25	0.824	0.99	5.2	18.4	61.3
46.00		1.00	0.79	4.813	5.294	0.000	1.200	1.551	1.00	3.289	3.95	20.9	73.5	244.8
47.00		1.00	0.79	4.843	5.327	0.000	1.200	1.554	1.00	3.277	3.93	20.9	73.3	244.0
48.00		1.00	0.80	4.872	5.359	0.000	1.200	1.557	1.00	3.265	3.92	21.0	73.2	243.1
49.00		1.00	0.80	4.901	5.391	0.000	1.200	1.560	1.00	3.253	3.90	21.0	73.1	242.3

Pole : 302496
Location : Clch - Colchester, CT
Height : 180.5 (ft)
Base Dia : 41.70 (in)
Top Dia : 15.60 (in)
Shape : 12 Sides
Taper : 0.144532 (in/ft)

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

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Page: 33



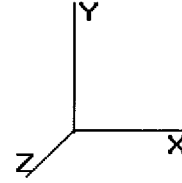
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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 43 Iterations
Gust Response Factor: 1.10 **Ice Dead Load Factor:** 1.00 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.20 **Ice Importance Factor:** 1.00
Wind Load Factor: 1.00

50.00	1.00	0.81	4.929	5.422	0.000	1.200	1.564	1.00	3.241	3.89	21.1	72.9	241.4	
51.00	1.00	0.81	4.957	5.453	0.000	1.200	1.567	1.00	3.229	3.87	21.1	72.8	240.6	
52.00	1.00	0.82	4.984	5.483	0.000	1.200	1.570	1.00	3.217	3.86	21.2	72.7	239.7	
53.00	1.00	0.82	5.012	5.513	0.000	1.200	1.573	1.00	3.205	3.85	21.2	72.5	238.8	
54.00	1.00	0.82	5.039	5.542	0.000	1.200	1.576	1.00	3.193	3.83	21.2	72.3	238.0	
55.00	1.00	0.83	5.065	5.572	0.000	1.200	1.579	1.00	3.181	3.82	21.3	72.2	237.1	
56.00	1.00	0.83	5.091	5.600	0.000	1.200	1.581	1.00	3.169	3.80	21.3	72.0	236.2	
57.00	1.00	0.84	5.117	5.629	0.000	1.200	1.584	1.00	3.157	3.79	21.3	71.9	235.4	
58.00	1.00	0.84	5.142	5.657	0.000	1.200	1.587	1.00	3.145	3.77	21.3	71.7	234.5	
59.00	1.00	0.85	5.168	5.684	0.000	1.200	1.590	1.00	3.133	3.76	21.4	71.5	233.6	
60.00	1.00	0.85	5.193	5.712	0.000	1.200	1.592	1.00	3.121	3.75	21.4	71.4	232.7	
61.00	1.00	0.85	5.217	5.739	0.000	1.200	1.595	1.00	3.109	3.73	21.4	71.2	231.8	
62.00	1.00	0.86	5.241	5.766	0.000	1.200	1.598	1.00	3.097	3.72	21.4	71.0	230.9	
63.00	1.00	0.86	5.265	5.792	0.000	1.200	1.600	1.00	3.085	3.70	21.4	70.8	230.0	
64.00	1.00	0.87	5.289	5.818	0.000	1.200	1.603	1.00	3.073	3.69	21.5	70.6	229.1	
65.00	1.00	0.87	5.313	5.844	0.000	1.200	1.605	1.00	3.061	3.67	21.5	70.5	228.2	
66.00	1.00	0.87	5.336	5.869	0.000	1.200	1.608	1.00	3.049	3.66	21.5	70.3	227.3	
67.00	1.00	0.88	5.359	5.895	0.000	1.200	1.610	1.00	3.037	3.64	21.5	70.1	226.4	
68.00	1.00	0.88	5.382	5.920	0.000	1.200	1.612	1.00	3.025	3.63	21.5	69.9	225.5	
69.00	1.00	0.88	5.404	5.944	0.000	1.200	1.615	1.00	3.013	3.62	21.5	69.7	224.6	
70.00	1.00	0.89	5.426	5.969	0.000	1.200	1.617	1.00	3.001	3.60	21.5	69.5	223.7	
71.00	1.00	0.89	5.448	5.993	0.000	1.200	1.619	1.00	2.988	3.59	21.5	69.3	222.8	
72.00	1.00	0.90	5.470	6.017	0.000	1.200	1.622	1.00	2.976	3.57	21.5	69.1	221.9	
73.00	1.00	0.90	5.492	6.041	0.000	1.200	1.624	1.00	2.964	3.56	21.5	68.9	221.0	
74.00	1.00	0.90	5.513	6.064	0.000	1.200	1.626	1.00	2.952	3.54	21.5	68.7	220.1	
75.00	1.00	0.91	5.534	6.088	0.000	1.200	1.628	1.00	2.940	3.53	21.5	68.5	219.1	
76.00	1.00	0.91	5.555	6.111	0.000	1.200	1.631	1.00	2.928	3.51	21.5	68.3	218.2	
77.00	1.00	0.91	5.576	6.134	0.000	1.200	1.633	1.00	2.916	3.50	21.5	68.0	217.3	
78.00	1.00	0.92	5.597	6.156	0.000	1.200	1.635	1.00	2.904	3.48	21.5	67.8	216.4	
79.00	1.00	0.92	5.617	6.179	0.000	1.200	1.637	1.00	2.892	3.47	21.4	67.6	215.4	
80.00	1.00	0.92	5.637	6.201	0.000	1.200	1.639	1.00	2.879	3.46	21.4	67.4	214.5	
81.00	1.00	0.93	5.657	6.223	0.000	1.200	1.641	1.00	2.867	3.44	21.4	67.2	213.6	
82.00	1.00	0.93	5.677	6.245	0.000	1.200	1.643	1.00	2.855	3.43	21.4	67.0	212.6	
83.00	1.00	0.93	5.697	6.267	0.000	1.200	1.645	1.00	2.843	3.41	21.4	66.7	211.7	
84.00	1.00	0.94	5.716	6.288	0.000	1.200	1.647	1.00	2.831	3.40	21.4	66.5	210.8	
85.00	1.00	0.94	5.736	6.309	0.000	1.200	1.649	1.00	2.819	3.38	21.3	66.3	209.8	
85.75	Top - Section 2	1.00	0.94	5.750	6.325	0.000	1.200	1.650	0.75	2.106	2.53	16.0	49.6	156.8
86.00		1.00	0.94	5.755	6.331	0.000	1.200	1.651	0.25	0.700	0.84	5.3	16.5	40.4
87.00		1.00	0.95	5.774	6.351	0.000	1.200	1.653	1.00	2.794	3.35	21.3	65.8	161.0
88.00		1.00	0.95	5.793	6.372	0.000	1.200	1.655	1.00	2.782	3.34	21.3	65.6	160.3
89.00		1.00	0.95	5.812	6.393	0.000	1.200	1.656	1.00	2.770	3.32	21.3	65.4	159.6
90.00		1.00	0.95	5.830	6.413	0.000	1.200	1.658	1.00	2.758	3.31	21.2	65.1	158.9
91.00		1.00	0.96	5.849	6.434	0.000	1.200	1.660	1.00	2.746	3.29	21.2	64.9	158.1
92.00		1.00	0.96	5.867	6.454	0.000	1.200	1.662	1.00	2.734	3.28	21.2	64.7	157.4
93.00		1.00	0.96	5.885	6.474	0.000	1.200	1.664	1.00	2.721	3.27	21.1	64.4	156.7
94.00		1.00	0.97	5.903	6.493	0.000	1.200	1.666	1.00	2.709	3.25	21.1	64.2	156.0
95.00		1.00	0.97	5.921	6.513	0.000	1.200	1.667	1.00	2.697	3.24	21.1	63.9	155.3
96.00		1.00	0.97	5.939	6.533	0.000	1.200	1.669	1.00	2.685	3.22	21.0	63.7	154.6
97.00		1.00	0.98	5.956	6.552	0.000	1.200	1.671	1.00	2.673	3.21	21.0	63.5	153.9
98.00		1.00	0.98	5.974	6.571	0.000	1.200	1.672	1.00	2.661	3.19	21.0	63.2	153.1
99.00		1.00	0.98	5.991	6.590	0.000	1.200	1.674	1.00	2.648	3.18	20.9	63.0	152.4
100.0		1.00	0.98	6.008	6.609	0.000	1.200	1.676	1.00	2.636	3.16	20.9	62.7	151.7
101.0		1.00	0.99	6.026	6.628	0.000	1.200	1.678	1.00	2.624	3.15	20.9	62.5	151.0
102.0		1.00	0.99	6.043	6.647	0.000	1.200	1.679	1.00	2.612	3.13	20.8	62.2	150.2
103.0		1.00	0.99	6.059	6.665	0.000	1.200	1.681	1.00	2.600	3.12	20.8	62.0	149.5
104.0		1.00	0.99	6.076	6.684	0.000	1.200	1.682	1.00	2.587	3.10	20.8	61.7	148.8
105.0		1.00	1.00	6.093	6.702	0.000	1.200	1.684	1.00	2.575	3.09	20.7	61.5	148.1

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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



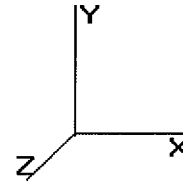
Load Case : 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	43 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

106.0	1.00	1.00	6.109	6.720	0.000	1.200	1.686	1.00	2.563	3.08	20.7	61.2	147.3	
107.0	1.00	1.00	6.126	6.738	0.000	1.200	1.687	1.00	2.551	3.06	20.6	60.9	146.6	
108.0	1.00	1.01	6.142	6.756	0.000	1.200	1.689	1.00	2.539	3.05	20.6	60.7	145.9	
109.0	1.00	1.01	6.158	6.774	0.000	1.200	1.690	1.00	2.526	3.03	20.5	60.4	145.1	
110.0	1.00	1.01	6.174	6.792	0.000	1.200	1.692	1.00	2.514	3.02	20.5	60.2	144.4	
111.0	1.00	1.01	6.190	6.809	0.000	1.200	1.693	1.00	2.502	3.00	20.4	59.9	143.7	
112.0	1.00	1.02	6.206	6.827	0.000	1.200	1.695	1.00	2.490	2.99	20.4	59.7	142.9	
113.0	1.00	1.02	6.222	6.844	0.000	1.200	1.696	1.00	2.478	2.97	20.3	59.4	142.2	
114.0	1.00	1.02	6.238	6.861	0.000	1.200	1.698	1.00	2.465	2.96	20.3	59.1	141.5	
115.0	1.00	1.02	6.253	6.879	0.000	1.200	1.699	1.00	2.453	2.94	20.2	58.9	140.7	
116.0	1.00	1.03	6.269	6.896	0.000	1.200	1.701	1.00	2.441	2.93	20.2	58.6	140.0	
117.0	1.00	1.03	6.284	6.913	0.000	1.200	1.702	1.00	2.429	2.91	20.1	58.3	139.2	
118.0	1.00	1.03	6.299	6.929	0.000	1.200	1.704	1.00	2.416	2.90	20.1	58.1	138.5	
119.0	1.00	1.03	6.315	6.946	0.000	1.200	1.705	1.00	2.404	2.89	20.0	57.8	137.8	
120.0	1.00	1.04	6.330	6.963	0.000	1.200	1.707	1.00	2.392	2.87	20.0	57.5	137.0	
121.0	1.00	1.04	6.345	6.979	0.000	1.200	1.708	1.00	2.380	2.86	19.9	57.3	136.3	
122.0	1.00	1.04	6.360	6.996	0.000	1.200	1.710	1.00	2.368	2.84	19.9	57.0	135.5	
123.0	1.00	1.04	6.375	7.012	0.000	1.200	1.711	1.00	2.355	2.83	19.8	56.7	134.8	
124.0	1.00	1.05	6.389	7.028	0.000	1.200	1.712	1.00	2.343	2.81	19.8	56.5	134.0	
125.0	1.00	1.05	6.404	7.044	0.000	1.200	1.714	1.00	2.331	2.80	19.7	56.2	133.3	
125.5	Top - Section 3	1.00	1.05	6.411	7.052	0.000	1.200	1.714	0.50	1.161	1.39	9.8	28.0	66.4
126.0		1.00	1.05	6.419	7.060	0.000	1.200	1.715	0.50	1.158	1.39	9.8	28.0	61.5
127.0		1.00	1.05	6.433	7.076	0.000	1.200	1.716	1.00	2.306	2.77	19.6	55.6	122.4
128.0		1.00	1.06	6.448	7.092	0.000	1.200	1.718	1.00	2.294	2.75	19.5	55.4	121.7
129.0		1.00	1.06	6.462	7.108	0.000	1.200	1.719	1.00	2.282	2.74	19.5	55.1	121.0
130.0		1.00	1.06	6.476	7.124	0.000	1.200	1.720	1.00	2.270	2.72	19.4	54.8	120.3
131.0		1.00	1.06	6.490	7.139	0.000	1.200	1.722	1.00	2.257	2.71	19.3	54.5	119.6
132.0		1.00	1.07	6.504	7.155	0.000	1.200	1.723	1.00	2.245	2.69	19.3	54.2	118.9
133.0		1.00	1.07	6.519	7.170	0.000	1.200	1.724	1.00	2.233	2.68	19.2	54.0	118.2
134.0		1.00	1.07	6.532	7.186	0.000	1.200	1.726	1.00	2.221	2.66	19.1	53.7	117.5
135.0		1.00	1.07	6.546	7.201	0.000	1.200	1.727	1.00	2.208	2.65	19.1	53.4	116.8
136.0		1.00	1.07	6.560	7.216	0.000	1.200	1.728	1.00	2.196	2.64	19.0	53.1	116.1
137.0		1.00	1.08	6.574	7.231	0.000	1.200	1.729	1.00	2.184	2.62	18.9	52.8	115.4
138.0		1.00	1.08	6.588	7.246	0.000	1.200	1.731	1.00	2.172	2.61	18.9	52.6	114.7
139.0		1.00	1.08	6.601	7.261	0.000	1.200	1.732	1.00	2.159	2.59	18.8	52.3	114.0
140.0		1.00	1.08	6.615	7.276	0.000	1.200	1.733	1.00	2.147	2.58	18.7	52.0	113.3
141.0		1.00	1.09	6.628	7.291	0.000	1.200	1.734	1.00	2.135	2.56	18.7	51.7	112.6
142.0		1.00	1.09	6.642	7.306	0.000	1.200	1.736	1.00	2.122	2.55	18.6	51.4	111.9
143.0		1.00	1.09	6.655	7.320	0.000	1.200	1.737	1.00	2.110	2.53	18.5	51.1	111.2
144.0		1.00	1.09	6.668	7.335	0.000	1.200	1.738	1.00	2.098	2.52	18.5	50.8	110.5
145.0		1.00	1.09	6.681	7.350	0.000	1.200	1.739	1.00	2.086	2.50	18.4	50.6	109.8
146.0		1.00	1.10	6.695	7.364	0.000	1.200	1.741	1.00	2.073	2.49	18.3	50.3	109.1
147.0		1.00	1.10	6.708	7.378	0.000	1.200	1.742	1.00	2.061	2.47	18.2	50.0	108.4
148.0		1.00	1.10	6.721	7.393	0.000	1.200	1.743	1.00	2.049	2.46	18.2	49.7	107.7
149.0		1.00	1.10	6.734	7.407	0.000	1.200	1.744	1.00	2.037	2.44	18.1	49.4	107.0
150.0		1.00	1.11	6.746	7.421	0.000	1.200	1.745	1.00	2.024	2.43	18.0	49.1	106.3
151.0		1.00	1.11	6.759	7.435	0.000	1.200	1.746	1.00	2.012	2.41	18.0	48.8	105.6
152.0		1.00	1.11	6.772	7.449	0.000	1.200	1.748	1.00	2.000	2.40	17.9	48.5	104.9
153.0		1.00	1.11	6.785	7.463	0.000	1.200	1.749	1.00	1.987	2.38	17.8	48.2	104.1
154.0		1.00	1.11	6.797	7.477	0.000	1.200	1.750	1.00	1.975	2.37	17.7	47.9	103.4
155.0		1.00	1.12	6.810	7.491	0.000	1.200	1.751	1.00	1.963	2.36	17.6	47.6	102.7
156.0		1.00	1.12	6.822	7.505	0.000	1.200	1.752	1.00	1.951	2.34	17.6	47.3	102.0
157.0		1.00	1.12	6.835	7.518	0.000	1.200	1.753	1.00	1.938	2.33	17.5	47.1	101.3
158.0		1.00	1.12	6.847	7.532	0.000	1.200	1.754	1.00	1.926	2.31	17.4	46.8	100.6
159.0		1.00	1.12	6.860	7.546	0.000	1.200	1.755	1.00	1.914	2.30	17.3	46.5	99.9
160.0		1.00	1.13	6.872	7.559	0.000	1.200	1.757	1.00	1.902	2.28	17.2	46.2	99.2
161.0		1.00	1.13	6.884	7.573	0.000	1.200	1.758	1.00	1.889	2.27	17.2	45.9	98.5

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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 Page: 35



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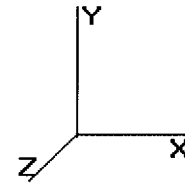
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	43 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

162.0	1.00	1.13	6.896	7.586	0.000	1.200	1.759	1.00	1.877	2.25	17.1	45.6	97.7
163.0	1.00	1.13	6.909	7.599	0.000	1.200	1.760	1.00	1.865	2.24	17.0	45.3	97.0
164.0	1.00	1.13	6.921	7.613	0.000	1.200	1.761	1.00	1.852	2.22	16.9	45.0	96.3
165.0	1.00	1.14	6.933	7.626	0.000	1.200	1.762	1.00	1.840	2.21	16.8	44.7	95.6
166.0	1.00	1.14	6.945	7.639	0.000	1.200	1.763	1.00	1.828	2.19	16.8	44.4	94.9
167.0	1.00	1.14	6.957	7.652	0.000	1.200	1.764	1.00	1.815	2.18	16.7	44.1	94.2
168.0	1.00	1.14	6.968	7.665	0.000	1.200	1.765	1.00	1.803	2.16	16.6	43.8	93.4
169.0	1.00	1.14	6.980	7.678	0.000	1.200	1.766	1.00	1.791	2.15	16.5	43.5	92.7
170.0	1.00	1.15	6.992	7.691	0.000	1.200	1.767	1.00	1.779	2.13	16.4	43.2	92.0
171.0	1.00	1.15	7.004	7.704	0.000	1.200	1.768	1.00	1.766	2.12	16.3	42.9	91.3
172.0	1.00	1.15	7.015	7.717	0.000	1.200	1.769	1.00	1.754	2.10	16.2	42.5	90.6
173.0	1.00	1.15	7.027	7.730	0.000	1.200	1.770	1.00	1.742	2.09	16.2	42.2	89.8
174.0	1.00	1.15	7.039	7.743	0.000	1.200	1.771	1.00	1.729	2.08	16.1	41.9	89.1
175.0	1.00	1.16	7.050	7.755	0.000	1.200	1.772	1.00	1.717	2.06	16.0	41.6	88.4
176.0	1.00	1.16	7.062	7.768	0.000	1.200	1.773	1.00	1.705	2.05	15.9	41.3	87.7
177.0	1.00	1.16	7.073	7.780	0.000	1.200	1.774	1.00	1.692	2.03	15.8	41.0	87.0
178.0	1.00	1.16	7.085	7.793	0.000	1.200	1.775	1.00	1.680	2.02	15.7	40.7	86.2
179.0	1.00	1.16	7.096	7.805	0.000	1.200	1.776	1.00	1.668	2.00	15.6	40.4	85.5
180.0	1.00	1.16	7.107	7.818	0.000	1.200	1.777	1.00	1.656	1.99	15.5	40.1	84.8
180.5	1.00	1.17	7.114	7.825	0.000	1.200	1.778	0.58	0.960	1.15	9.0	23.3	49.2
							Totals:	180.58			3,580.7	11,196.9	33,922.6

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 43 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

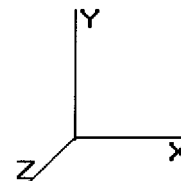
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
180.0	Andrew SBNH-	2	7.163	7.879	0.56	0.75	14.78	0.000	5.000	116.43	0.00	582.13	684.59
180.0	Ericsson RRUS-11 800	6	7.163	7.879	0.38	0.75	7.18	0.000	5.000	56.57	0.00	282.86	936.92
180.0	KMW AM-X-CD-17-65-	1	7.163	7.879	0.75	0.75	9.75	0.000	5.000	76.83	0.00	384.13	324.46
180.0	LGP Allgon LGP21903	6	7.163	7.879	0.38	0.75	1.07	0.000	5.000	8.46	0.00	42.31	123.33
180.0	Platform w/ Handrail	1	7.107	7.818	1.00	1.00	52.14	0.000	0.000	407.66	0.00	0.00	3,322.33
180.0	Powerwave 7770.00	6	7.163	7.879	0.49	0.75	19.46	0.000	5.000	153.30	0.00	766.48	1,084.35
180.0	Powerwave LGP17201	6	7.163	7.879	0.38	0.75	5.00	0.000	5.000	39.38	0.00	196.89	521.57
180.0	Raycap DC6-48-60-18-	1	7.163	7.879	0.38	0.75	0.95	0.000	5.000	7.49	0.00	37.44	106.37
										866.11			7,103.93

Pole : 302496
 Location : Clch - Colchester, CT
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Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	43 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		

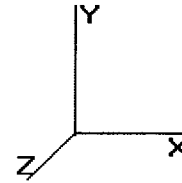
Applied Segment Forces Summary

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	21.17	307.94	0.00	0.00
2.00	21.17	311.19	0.00	0.00
3.00	21.14	312.80	0.00	0.00
4.00	21.10	313.68	0.00	0.00
5.00	21.06	314.16	0.00	0.00
6.00	21.01	314.38	0.00	0.00
7.00	20.96	314.41	0.00	0.00
8.00	20.90	314.30	0.00	0.00
9.00	20.85	314.09	0.00	0.00
10.00	20.79	313.78	0.00	0.00
11.00	20.73	313.41	0.00	0.00
12.00	20.67	312.97	0.00	0.00
13.00	20.61	312.49	0.00	0.00
14.00	20.55	311.96	0.00	0.00
15.00	20.49	311.39	0.00	0.00
16.00	20.43	310.79	0.00	0.00
17.00	20.37	310.16	0.00	0.00
18.00	20.31	309.50	0.00	0.00
19.00	20.24	308.82	0.00	0.00
20.00	20.18	308.11	0.00	0.00
21.00	20.12	307.39	0.00	0.00
22.00	20.05	306.65	0.00	0.00
23.00	19.99	305.89	0.00	0.00
24.00	19.93	305.11	0.00	0.00
25.00	19.86	304.32	0.00	0.00
26.00	19.80	303.52	0.00	0.00
27.00	19.73	302.71	0.00	0.00
28.00	19.67	301.88	0.00	0.00
29.00	19.60	301.05	0.00	0.00
30.00	19.55	300.20	0.00	0.00
31.00	19.67	299.34	0.00	0.00
32.00	19.78	298.48	0.00	0.00
33.00	19.89	297.60	0.00	0.00
34.00	19.99	296.72	0.00	0.00
35.00	20.09	295.83	0.00	0.00
36.00	20.18	294.94	0.00	0.00
37.00	20.27	294.03	0.00	0.00
38.00	20.35	293.12	0.00	0.00
39.00	20.43	292.21	0.00	0.00
40.00	20.51	291.28	0.00	0.00
41.00	20.58	290.36	0.00	0.00
42.00	20.65	289.42	0.00	0.00
43.00	20.72	288.48	0.00	0.00
44.00	20.78	287.54	0.00	0.00
44.75	15.61	215.04	0.00	0.00
45.00	5.20	64.50	0.00	0.00
46.00	20.89	257.44	0.00	0.00
47.00	20.95	256.60	0.00	0.00
48.00	21.00	255.76	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 43 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

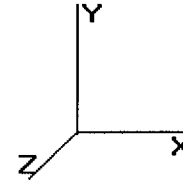
Wind Load Factor : 1.00

49.00	21.04	254.91	0.00	0.00
50.00	21.09	254.06	0.00	0.00
51.00	21.13	253.20	0.00	0.00
52.00	21.17	252.35	0.00	0.00
53.00	21.20	251.48	0.00	0.00
54.00	21.24	250.62	0.00	0.00
55.00	21.27	249.75	0.00	0.00
56.00	21.30	248.87	0.00	0.00
57.00	21.32	248.00	0.00	0.00
58.00	21.35	247.12	0.00	0.00
59.00	21.37	246.23	0.00	0.00
60.00	21.39	245.35	0.00	0.00
61.00	21.41	244.46	0.00	0.00
62.00	21.43	243.57	0.00	0.00
63.00	21.44	242.68	0.00	0.00
64.00	21.45	241.78	0.00	0.00
65.00	21.46	240.88	0.00	0.00
66.00	21.47	239.98	0.00	0.00
67.00	21.48	239.08	0.00	0.00
68.00	21.49	238.17	0.00	0.00
69.00	21.49	237.26	0.00	0.00
70.00	21.49	236.35	0.00	0.00
71.00	21.49	235.44	0.00	0.00
72.00	21.49	234.52	0.00	0.00
73.00	21.49	233.61	0.00	0.00
74.00	21.48	232.69	0.00	0.00
75.00	21.48	231.77	0.00	0.00
76.00	21.47	230.84	0.00	0.00
77.00	21.46	229.92	0.00	0.00
78.00	21.45	228.99	0.00	0.00
79.00	21.44	228.06	0.00	0.00
80.00	21.43	227.13	0.00	0.00
81.00	21.41	226.20	0.00	0.00
82.00	21.40	225.27	0.00	0.00
83.00	21.38	224.33	0.00	0.00
84.00	21.36	223.39	0.00	0.00
85.00	21.34	222.46	0.00	0.00
85.75	15.99	166.25	0.00	0.00
86.00	5.32	43.53	0.00	0.00
87.00	21.30	173.61	0.00	0.00
88.00	21.28	172.91	0.00	0.00
89.00	21.25	172.20	0.00	0.00
90.00	21.23	171.49	0.00	0.00
91.00	21.20	170.78	0.00	0.00
92.00	21.17	170.07	0.00	0.00
93.00	21.14	169.36	0.00	0.00
94.00	21.11	168.64	0.00	0.00
95.00	21.08	167.92	0.00	0.00
96.00	21.05	167.21	0.00	0.00
97.00	21.01	166.49	0.00	0.00
98.00	20.98	165.77	0.00	0.00
99.00	20.94	165.05	0.00	0.00
100.0	20.91	164.33	0.00	0.00
101.0	20.87	163.60	0.00	0.00
102.0	20.83	162.88	0.00	0.00
103.0	20.79	162.15	0.00	0.00
104.0	20.75	161.43	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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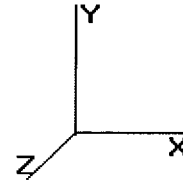
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	43 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

105.0	20.71	160.70	0.00	0.00
106.0	20.67	159.97	0.00	0.00
107.0	20.63	159.24	0.00	0.00
108.0	20.58	158.51	0.00	0.00
109.0	20.54	157.77	0.00	0.00
110.0	20.49	157.04	0.00	0.00
111.0	20.44	156.30	0.00	0.00
112.0	20.40	155.57	0.00	0.00
113.0	20.35	154.83	0.00	0.00
114.0	20.30	154.09	0.00	0.00
115.0	20.25	153.36	0.00	0.00
116.0	20.20	152.62	0.00	0.00
117.0	20.15	151.88	0.00	0.00
118.0	20.09	151.13	0.00	0.00
119.0	20.04	150.39	0.00	0.00
120.0	19.99	149.65	0.00	0.00
121.0	19.93	148.90	0.00	0.00
122.0	19.87	148.16	0.00	0.00
123.0	19.82	147.41	0.00	0.00
124.0	19.76	146.67	0.00	0.00
125.0	19.70	145.92	0.00	0.00
125.5	9.82	72.71	0.00	0.00
126.0	9.81	67.79	0.00	0.00
127.0	19.58	134.99	0.00	0.00
128.0	19.52	134.30	0.00	0.00
129.0	19.46	133.61	0.00	0.00
130.0	19.40	132.92	0.00	0.00
131.0	19.34	132.22	0.00	0.00
132.0	19.28	131.53	0.00	0.00
133.0	19.21	130.83	0.00	0.00
134.0	19.15	130.14	0.00	0.00
135.0	19.08	129.44	0.00	0.00
136.0	19.02	128.74	0.00	0.00
137.0	18.95	128.04	0.00	0.00
138.0	18.88	127.35	0.00	0.00
139.0	18.81	126.65	0.00	0.00
140.0	18.75	125.95	0.00	0.00
141.0	18.68	125.24	0.00	0.00
142.0	18.61	124.54	0.00	0.00
143.0	18.54	123.84	0.00	0.00
144.0	18.47	123.14	0.00	0.00
145.0	18.39	122.43	0.00	0.00
146.0	18.32	121.73	0.00	0.00
147.0	18.25	121.02	0.00	0.00
148.0	18.18	120.32	0.00	0.00
149.0	18.10	119.61	0.00	0.00
150.0	18.03	118.91	0.00	0.00
151.0	17.95	118.20	0.00	0.00
152.0	17.88	117.49	0.00	0.00
153.0	17.80	116.78	0.00	0.00
154.0	17.72	116.07	0.00	0.00
155.0	17.64	115.36	0.00	0.00
156.0	17.57	114.65	0.00	0.00
157.0	17.49	113.94	0.00	0.00
158.0	17.41	113.23	0.00	0.00
159.0	17.33	112.51	0.00	0.00
160.0	17.25	111.80	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
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 Taper : 0.144532 (in/ft)

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

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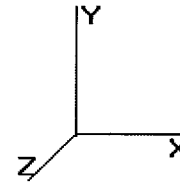
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	43 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

161.0	17.17	111.09	0.00	0.00
162.0	17.09	110.37	0.00	0.00
163.0	17.00	109.66	0.00	0.00
164.0	16.92	108.94	0.00	0.00
165.0	16.84	108.22	0.00	0.00
166.0	16.76	107.51	0.00	0.00
167.0	16.67	106.79	0.00	0.00
168.0	16.59	106.07	0.00	0.00
169.0	16.50	105.35	0.00	0.00
170.0	16.42	104.64	0.00	0.00
171.0	16.33	103.92	0.00	0.00
172.0	16.24	103.20	0.00	0.00
173.0	16.16	102.48	0.00	0.00
174.0	16.07	101.76	0.00	0.00
175.0	15.98	101.03	0.00	0.00
176.0	15.89	100.31	0.00	0.00
177.0	15.80	99.59	0.00	0.00
178.0	15.71	98.87	0.00	0.00
179.0	15.62	98.14	0.00	0.00
180.0	881.64	7,201.34	0.00	2,292.23
180.5	9.01	49.16	0.00	0.00
Totals:	4,446.83	43,300.74	0.00	2,292.23

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	43 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

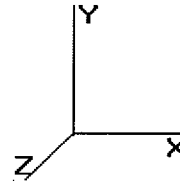
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-43.30	-4.45	0.00	-538.63	0.00	538.63	4,173.88	2,086.94	7,090.68	3,501.82	0.00	0.00	0.164
1.00	-42.99	-4.44	0.00	-534.18	0.00	534.18	4,164.30	2,082.15	7,049.35	3,481.41	0.00	-0.01	0.164
2.00	-42.68	-4.43	0.00	-529.74	0.00	529.74	4,154.67	2,077.34	7,008.08	3,461.03	0.01	-0.02	0.163
3.00	-42.37	-4.41	0.00	-525.32	0.00	525.32	4,145.02	2,072.51	6,966.87	3,440.67	0.01	-0.04	0.163
4.00	-42.05	-4.40	0.00	-520.90	0.00	520.90	4,135.32	2,067.66	6,925.71	3,420.35	0.02	-0.05	0.162
5.00	-41.74	-4.39	0.00	-516.50	0.00	516.50	4,125.60	2,062.80	6,884.61	3,400.05	0.03	-0.06	0.162
6.00	-41.42	-4.38	0.00	-512.11	0.00	512.11	4,115.83	2,057.92	6,843.57	3,379.78	0.05	-0.07	0.162
7.00	-41.11	-4.36	0.00	-507.74	0.00	507.74	4,106.03	2,053.02	6,802.59	3,359.54	0.06	-0.09	0.161
8.00	-40.79	-4.35	0.00	-503.37	0.00	503.37	4,096.20	2,048.10	6,761.66	3,339.33	0.08	-0.10	0.161
9.00	-40.48	-4.34	0.00	-499.02	0.00	499.02	4,086.33	2,043.16	6,720.80	3,319.15	0.10	-0.11	0.160
10.00	-40.16	-4.33	0.00	-494.68	0.00	494.68	4,076.42	2,038.21	6,680.00	3,299.00	0.13	-0.12	0.160
11.00	-39.85	-4.31	0.00	-490.36	0.00	490.36	4,066.48	2,033.24	6,639.26	3,278.88	0.15	-0.13	0.159
12.00	-39.53	-4.30	0.00	-486.05	0.00	486.05	4,056.51	2,028.25	6,598.58	3,258.79	0.18	-0.15	0.159
13.00	-39.22	-4.29	0.00	-481.75	0.00	481.75	4,046.49	2,023.25	6,557.96	3,238.73	0.22	-0.16	0.158
14.00	-38.91	-4.27	0.00	-477.46	0.00	477.46	4,036.45	2,018.22	6,517.41	3,218.70	0.25	-0.17	0.158
15.00	-38.59	-4.26	0.00	-473.19	0.00	473.19	4,026.36	2,013.18	6,476.92	3,198.71	0.29	-0.18	0.158
16.00	-38.28	-4.25	0.00	-468.93	0.00	468.93	4,016.25	2,008.12	6,436.49	3,178.74	0.33	-0.20	0.157
17.00	-37.97	-4.23	0.00	-464.68	0.00	464.68	4,006.09	2,003.05	6,396.13	3,158.81	0.37	-0.21	0.157
18.00	-37.66	-4.22	0.00	-460.44	0.00	460.44	3,995.91	1,997.95	6,355.84	3,138.91	0.42	-0.22	0.156
19.00	-37.35	-4.21	0.00	-456.22	0.00	456.22	3,985.68	1,992.84	6,315.61	3,119.04	0.46	-0.23	0.156
20.00	-37.04	-4.19	0.00	-452.02	0.00	452.02	3,975.42	1,987.71	6,275.45	3,099.21	0.51	-0.25	0.155
21.00	-36.73	-4.18	0.00	-447.82	0.00	447.82	3,965.13	1,982.56	6,235.36	3,079.41	0.57	-0.26	0.155
22.00	-36.43	-4.17	0.00	-443.64	0.00	443.64	3,954.48	1,977.24	6,194.84	3,059.40	0.62	-0.27	0.154
23.00	-36.12	-4.15	0.00	-439.47	0.00	439.47	3,939.47	1,969.74	6,147.64	3,036.09	0.68	-0.28	0.154
24.00	-35.81	-4.14	0.00	-435.32	0.00	435.32	3,924.46	1,962.23	6,100.62	3,012.87	0.74	-0.30	0.154
25.00	-35.51	-4.13	0.00	-431.18	0.00	431.18	3,909.45	1,954.73	6,053.78	2,989.74	0.81	-0.31	0.153
26.00	-35.20	-4.11	0.00	-427.05	0.00	427.05	3,894.45	1,947.22	6,007.13	2,966.69	0.87	-0.32	0.153
27.00	-34.90	-4.10	0.00	-422.94	0.00	422.94	3,879.44	1,939.72	5,960.65	2,943.74	0.94	-0.34	0.153
28.00	-34.60	-4.09	0.00	-418.84	0.00	418.84	3,864.43	1,932.22	5,914.36	2,920.88	1.01	-0.35	0.152
29.00	-34.30	-4.07	0.00	-414.75	0.00	414.75	3,849.42	1,924.71	5,868.24	2,898.10	1.09	-0.36	0.152
30.00	-34.00	-4.06	0.00	-410.68	0.00	410.68	3,834.41	1,917.21	5,822.31	2,875.42	1.16	-0.37	0.152
31.00	-33.70	-4.04	0.00	-406.62	0.00	406.62	3,819.41	1,909.70	5,776.55	2,852.82	1.24	-0.39	0.151
32.00	-33.40	-4.03	0.00	-402.58	0.00	402.58	3,804.40	1,902.20	5,730.98	2,830.32	1.33	-0.40	0.151
33.00	-33.10	-4.02	0.00	-398.55	0.00	398.55	3,789.39	1,894.70	5,685.59	2,807.90	1.41	-0.41	0.151
34.00	-32.80	-4.00	0.00	-394.53	0.00	394.53	3,774.38	1,887.19	5,640.38	2,785.57	1.50	-0.43	0.150
35.00	-32.50	-3.99	0.00	-390.53	0.00	390.53	3,759.37	1,879.69	5,595.34	2,763.33	1.59	-0.44	0.150
36.00	-32.21	-3.97	0.00	-386.55	0.00	386.55	3,744.37	1,872.18	5,550.49	2,741.18	1.68	-0.45	0.150
37.00	-31.91	-3.96	0.00	-382.58	0.00	382.58	3,729.36	1,864.68	5,505.82	2,719.12	1.78	-0.46	0.149
38.00	-31.62	-3.94	0.00	-378.62	0.00	378.62	3,714.35	1,857.18	5,461.33	2,697.15	1.88	-0.48	0.149
39.00	-31.33	-3.92	0.00	-374.68	0.00	374.68	3,699.34	1,849.67	5,417.02	2,675.26	1.98	-0.49	0.149
40.00	-31.03	-3.91	0.00	-370.76	0.00	370.76	3,684.33	1,842.17	5,372.89	2,653.47	2.08	-0.50	0.148
41.00	-30.74	-3.89	0.00	-366.85	0.00	366.85	3,669.33	1,834.66	5,328.94	2,631.76	2.19	-0.52	0.148
42.00	-30.45	-3.88	0.00	-362.96	0.00	362.96	3,654.32	1,827.16	5,285.17	2,610.15	2.30	-0.53	0.147
43.00	-30.16	-3.86	0.00	-359.08	0.00	359.08	3,639.31	1,819.66	5,241.59	2,588.62	2.41	-0.54	0.147
44.00	-29.88	-3.84	0.00	-355.23	0.00	355.23	3,624.30	1,812.15	5,198.18	2,567.18	2.53	-0.56	0.147
44.75	-29.66	-3.83	0.00	-352.35	0.00	352.35	3,613.05	1,806.52	5,165.74	2,551.17	2.61	-0.57	0.146
44.75	-29.66	-3.83	0.00	-352.35	0.00	352.35	3,037.33	1,518.66	4,358.22	2,152.36	2.61	-0.57	0.173
45.00	-29.60	-3.83	0.00	-351.39	0.00	351.39	3,035.24	1,517.62	4,350.67	2,148.63	2.64	-0.57	0.173
46.00	-29.34	-3.81	0.00	-347.56	0.00	347.56	3,026.89	1,513.44	4,320.50	2,133.73	2.76	-0.58	0.173
47.00	-29.08	-3.79	0.00	-343.75	0.00	343.75	3,018.50	1,509.25	4,290.37	2,118.85	2.89	-0.60	0.172
48.00	-28.82	-3.78	0.00	-339.96	0.00	339.96	3,010.08	1,505.04	4,260.30	2,104.00	3.02	-0.61	0.171

Pole : 302496
Location : Cich - Colchester, CT
Height : 180.5 (ft)
Base Dia : 41.70 (in)
Top Dia : 15.60 (in)
Shape : 12 Sides
Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 43 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		

49.00	-28.57	-3.76	0.00	-336.18	0.00	336.18	3,001.62	1,500.81	4,230.28	2,089.17	3.15	-0.63	0.170
50.00	-28.31	-3.75	0.00	-332.42	0.00	332.42	2,993.12	1,496.56	4,200.31	2,074.37	3.28	-0.65	0.170
51.00	-28.06	-3.73	0.00	-328.67	0.00	328.67	2,984.59	1,492.30	4,170.39	2,059.60	3.42	-0.66	0.169
52.00	-27.81	-3.71	0.00	-324.94	0.00	324.94	2,976.02	1,488.01	4,140.52	2,044.85	3.56	-0.68	0.168
53.00	-27.55	-3.70	0.00	-321.23	0.00	321.23	2,967.42	1,483.71	4,110.71	2,030.13	3.70	-0.69	0.168
54.00	-27.30	-3.68	0.00	-317.53	0.00	317.53	2,958.79	1,479.39	4,080.96	2,015.43	3.85	-0.71	0.167
55.00	-27.05	-3.66	0.00	-313.86	0.00	313.86	2,950.11	1,475.06	4,051.26	2,000.76	4.00	-0.72	0.166
56.00	-26.80	-3.64	0.00	-310.19	0.00	310.19	2,941.41	1,470.70	4,021.62	1,986.12	4.15	-0.74	0.165
57.00	-26.55	-3.63	0.00	-306.55	0.00	306.55	2,932.66	1,466.33	3,992.03	1,971.51	4.31	-0.75	0.165
58.00	-26.31	-3.61	0.00	-302.92	0.00	302.92	2,923.89	1,461.94	3,962.50	1,956.93	4.47	-0.77	0.164
59.00	-26.06	-3.59	0.00	-299.31	0.00	299.31	2,915.07	1,457.54	3,933.03	1,942.37	4.63	-0.78	0.163
60.00	-25.81	-3.57	0.00	-295.72	0.00	295.72	2,906.28	1,453.14	3,903.69	1,927.89	4.79	-0.80	0.162
61.00	-25.57	-3.56	0.00	-292.14	0.00	292.14	2,897.42	1,448.71	3,874.26	1,913.36	4.95	-0.82	0.162
62.00	-25.32	-3.54	0.00	-288.59	0.00	288.59	2,888.56	1,444.28	3,844.83	1,898.83	5.11	-0.83	0.161
63.00	-25.08	-3.52	0.00	-285.05	0.00	285.05	2,879.69	1,439.85	3,815.40	1,884.30	5.27	-0.85	0.161
64.00	-24.84	-3.50	0.00	-281.53	0.00	281.53	2,870.83	1,435.41	3,785.97	1,869.77	5.43	-0.86	0.160
65.00	-24.60	-3.48	0.00	-278.03	0.00	278.03	2,861.96	1,430.98	3,756.54	1,855.24	5.59	-0.88	0.160
66.00	-24.36	-3.47	0.00	-274.54	0.00	274.54	2,853.09	1,426.55	3,727.11	1,840.71	5.75	-0.89	0.159
67.00	-24.12	-3.45	0.00	-271.08	0.00	271.08	2,844.22	1,422.12	3,697.68	1,826.18	5.91	-0.91	0.158
68.00	-23.88	-3.43	0.00	-267.63	0.00	267.63	2,835.36	1,417.69	3,668.25	1,811.65	6.07	-0.93	0.158
69.00	-23.64	-3.41	0.00	-264.20	0.00	264.20	2,826.49	1,413.26	3,638.82	1,797.12	6.23	-0.94	0.157
70.00	-23.40	-3.39	0.00	-260.79	0.00	260.79	2,817.62	1,408.83	3,609.39	1,782.59	6.39	-0.96	0.157
71.00	-23.17	-3.37	0.00	-257.40	0.00	257.40	2,808.75	1,404.40	3,579.96	1,768.06	6.55	-0.97	0.156
72.00	-22.93	-3.35	0.00	-254.03	0.00	254.03	2,800.00	1,400.00	3,550.53	1,753.53	6.71	-0.99	0.155
73.00	-22.70	-3.33	0.00	-250.68	0.00	250.68	2,791.25	1,395.57	3,521.10	1,739.00	6.87	-1.00	0.155
74.00	-22.46	-3.31	0.00	-247.35	0.00	247.35	2,782.50	1,391.14	3,491.67	1,724.47	7.03	-1.02	0.154
75.00	-22.23	-3.29	0.00	-244.04	0.00	244.04	2,773.75	1,386.71	3,462.24	1,709.94	7.19	-1.04	0.154
76.00	-22.00	-3.27	0.00	-240.74	0.00	240.74	2,765.00	1,382.28	3,432.81	1,695.41	7.35	-1.05	0.153
77.00	-21.77	-3.25	0.00	-237.47	0.00	237.47	2,756.25	1,377.85	3,403.38	1,680.88	7.51	-1.07	0.152
78.00	-21.54	-3.23	0.00	-234.21	0.00	234.21	2,747.50	1,373.42	3,373.95	1,666.35	7.67	-1.08	0.152
79.00	-21.31	-3.21	0.00	-230.98	0.00	230.98	2,738.75	1,368.99	3,344.52	1,651.82	7.83	-1.10	0.151
80.00	-21.09	-3.19	0.00	-227.77	0.00	227.77	2,730.00	1,364.56	3,315.09	1,637.29	7.99	-1.11	0.150
81.00	-20.86	-3.17	0.00	-224.57	0.00	224.57	2,721.25	1,360.13	3,285.66	1,622.76	8.15	-1.13	0.150
82.00	-20.63	-3.15	0.00	-221.40	0.00	221.40	2,712.50	1,355.70	3,256.23	1,608.23	8.31	-1.15	0.149
83.00	-20.41	-3.13	0.00	-218.24	0.00	218.24	2,703.75	1,351.27	3,226.80	1,593.70	8.47	-1.16	0.148
84.00	-20.18	-3.11	0.00	-215.11	0.00	215.11	2,695.00	1,346.84	3,197.37	1,579.17	8.63	-1.18	0.148
85.00	-19.96	-3.09	0.00	-211.99	0.00	211.99	2,686.25	1,342.41	3,167.94	1,564.64	8.79	-1.19	0.147
85.75	-19.80	-3.08	0.00	-209.67	0.00	209.67	2,677.50	1,337.98	3,138.51	1,550.11	8.95	-1.21	0.146
85.75	-19.80	-3.08	0.00	-209.67	0.00	209.67	1,544.73	772.37	1,851.60	914.44	10.20	-1.21	0.242
86.00	-19.75	-3.07	0.00	-208.91	0.00	208.91	1,543.70	771.85	1,848.04	912.68	10.26	-1.21	0.242
87.00	-19.58	-3.06	0.00	-205.83	0.00	205.83	1,539.55	769.77	1,833.81	905.65	10.52	-1.23	0.240
88.00	-19.40	-3.04	0.00	-202.77	0.00	202.77	1,535.36	767.68	1,819.59	898.63	10.78	-1.26	0.238
89.00	-19.23	-3.02	0.00	-199.73	0.00	199.73	1,531.13	765.57	1,805.38	891.61	11.05	-1.28	0.237
90.00	-19.06	-3.01	0.00	-196.71	0.00	196.71	1,526.87	763.44	1,791.17	884.59	11.32	-1.30	0.235
91.00	-18.89	-2.99	0.00	-193.70	0.00	193.70	1,522.58	761.29	1,776.98	877.58	11.59	-1.33	0.233
92.00	-18.72	-2.97	0.00	-190.72	0.00	190.72	1,518.25	759.12	1,762.79	870.58	11.87	-1.35	0.231
93.00	-18.55	-2.95	0.00	-187.74	0.00	187.74	1,513.88	756.94	1,748.62	863.58	12.16	-1.37	0.230
94.00	-18.38	-2.94	0.00	-184.79	0.00	184.79	1,509.48	754.74	1,734.46	856.59	12.45	-1.40	0.228
95.00	-18.21	-2.92	0.00	-181.85	0.00	181.85	1,505.04	752.52	1,720.31	849.60	12.74	-1.42	0.226
96.00	-18.04	-2.90	0.00	-178.94	0.00	178.94	1,500.57	750.29	1,706.18	842.62	13.04	-1.44	0.224
97.00	-17.87	-2.88	0.00	-176.04	0.00	176.04	1,496.06	748.03	1,692.06	835.64	13.35	-1.47	0.223
98.00	-17.71	-2.86	0.00	-173.15	0.00	173.15	1,491.52	745.76	1,677.95	828.68	13.66	-1.49	0.221
99.00	-17.54	-2.85	0.00	-170.29	0.00	170.29	1,486.94	743.47	1,663.86	821.72	13.97	-1.51	0.219
100.00	-17.38	-2.83	0.00	-167.44	0.00	167.44	1,482.33	741.16	1,649.78	814.77	14.29	-1.54	0.217
101.00	-17.21	-2.81	0.00	-164.61	0.00	164.61	1,477.68	738.84	1,635.72	807.82	14.62	-1.56	0.215
102.00	-17.05	-2.79	0.00	-161.80	0.00	161.80	1,473.00	736.50	1,621.68	800.89	14.95	-1.58	0.214
103.00	-16.89	-2.77	0.00	-159.01	0.00	159.01	1,468.28	734.14	1,607.66	793.96	15.28	-1.61	0.212

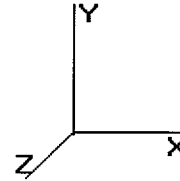
Pole : 302496
Location : Clch - Colchester, CT
Height : 180.5 (ft)
Base Dia : 41.70 (in)
Top Dia : 15.60 (in)
Shape : 12 Sides
Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	43 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		

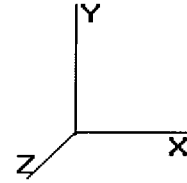
104.00	-16.72	-2.75	0.00	-156.24	0.00	156.24	1,463.52	731.76	1,593.65	787.04	15.62	-1.63	0.210
105.00	-16.56	-2.74	0.00	-153.49	0.00	153.49	1,458.73	729.37	1,579.66	780.14	15.97	-1.65	0.208
106.00	-16.40	-2.72	0.00	-150.75	0.00	150.75	1,453.91	726.95	1,565.69	773.24	16.32	-1.68	0.206
107.00	-16.24	-2.70	0.00	-148.03	0.00	148.03	1,449.04	724.52	1,551.74	766.35	16.67	-1.70	0.204
108.00	-16.08	-2.68	0.00	-145.33	0.00	145.33	1,444.15	722.07	1,537.82	759.47	17.03	-1.72	0.203
109.00	-15.93	-2.66	0.00	-142.65	0.00	142.65	1,439.21	719.61	1,523.91	752.60	17.39	-1.75	0.201
110.00	-15.77	-2.64	0.00	-139.99	0.00	139.99	1,434.25	717.12	1,510.03	745.75	17.76	-1.77	0.199
111.00	-15.61	-2.62	0.00	-137.35	0.00	137.35	1,429.24	714.62	1,496.17	738.90	18.13	-1.79	0.197
112.00	-15.46	-2.60	0.00	-134.73	0.00	134.73	1,424.21	712.10	1,482.33	732.07	18.51	-1.82	0.195
113.00	-15.30	-2.58	0.00	-132.12	0.00	132.12	1,419.13	709.57	1,468.51	725.24	18.89	-1.84	0.193
114.00	-15.15	-2.57	0.00	-129.54	0.00	129.54	1,414.02	707.01	1,454.73	718.43	19.28	-1.86	0.191
115.00	-14.99	-2.55	0.00	-126.97	0.00	126.97	1,408.88	704.44	1,440.96	711.64	19.67	-1.89	0.189
116.00	-14.84	-2.53	0.00	-124.43	0.00	124.43	1,403.70	701.85	1,427.22	704.85	20.07	-1.91	0.187
117.00	-14.69	-2.51	0.00	-121.90	0.00	121.90	1,398.48	699.24	1,413.51	698.08	20.47	-1.93	0.185
118.00	-14.54	-2.49	0.00	-119.39	0.00	119.39	1,393.23	696.62	1,399.83	691.32	20.88	-1.95	0.183
119.00	-14.39	-2.47	0.00	-116.90	0.00	116.90	1,387.95	693.97	1,386.17	684.58	21.29	-1.98	0.181
120.00	-14.24	-2.45	0.00	-114.44	0.00	114.44	1,382.63	691.31	1,372.54	677.85	21.71	-2.00	0.179
121.00	-14.09	-2.43	0.00	-111.99	0.00	111.99	1,377.27	688.64	1,358.94	671.13	22.13	-2.02	0.177
122.00	-13.94	-2.41	0.00	-109.56	0.00	109.56	1,371.88	685.94	1,345.37	664.43	22.55	-2.04	0.175
123.00	-13.79	-2.39	0.00	-107.15	0.00	107.15	1,366.45	683.23	1,331.83	657.74	22.98	-2.06	0.173
124.00	-13.64	-2.37	0.00	-104.76	0.00	104.76	1,360.99	680.49	1,318.33	651.07	23.42	-2.09	0.171
125.00	-13.50	-2.35	0.00	-102.39	0.00	102.39	1,355.49	677.74	1,304.85	644.42	23.86	-2.11	0.169
125.50	-13.43	-2.34	0.00	-101.21	0.00	101.21	1,352.73	676.36	1,298.12	641.09	24.08	-2.12	0.168
125.50	-13.43	-2.34	0.00	-101.21	0.00	101.21	1,127.00	563.50	1,084.41	535.55	24.08	-2.12	0.201
126.00	-13.36	-2.33	0.00	-100.04	0.00	100.04	1,124.94	562.47	1,079.04	532.90	24.30	-2.13	0.200
127.00	-13.22	-2.31	0.00	-97.71	0.00	97.71	1,120.78	560.39	1,068.31	527.60	24.75	-2.16	0.197
128.00	-13.09	-2.29	0.00	-95.40	0.00	95.40	1,116.59	558.29	1,057.61	522.31	25.21	-2.18	0.194
129.00	-12.95	-2.27	0.00	-93.11	0.00	93.11	1,112.36	556.18	1,046.91	517.03	25.66	-2.21	0.192
130.00	-12.82	-2.26	0.00	-90.83	0.00	90.83	1,108.10	554.05	1,036.24	511.76	26.13	-2.23	0.189
131.00	-12.69	-2.24	0.00	-88.58	0.00	88.58	1,103.80	551.90	1,025.58	506.50	26.60	-2.25	0.186
132.00	-12.56	-2.22	0.00	-86.34	0.00	86.34	1,099.47	549.73	1,014.94	501.24	27.07	-2.28	0.184
133.00	-12.43	-2.20	0.00	-84.13	0.00	84.13	1,095.10	547.55	1,004.33	496.00	27.55	-2.30	0.181
134.00	-12.30	-2.18	0.00	-81.93	0.00	81.93	1,090.69	545.35	993.73	490.77	28.04	-2.33	0.178
135.00	-12.17	-2.16	0.00	-79.75	0.00	79.75	1,086.26	543.13	983.15	485.54	28.53	-2.35	0.175
136.00	-12.04	-2.14	0.00	-77.59	0.00	77.59	1,081.78	540.89	972.60	480.33	29.02	-2.37	0.173
137.00	-11.91	-2.12	0.00	-75.45	0.00	75.45	1,077.27	538.64	962.07	475.13	29.52	-2.40	0.170
138.00	-11.78	-2.10	0.00	-73.33	0.00	73.33	1,072.73	536.36	951.56	469.94	30.03	-2.42	0.167
139.00	-11.66	-2.08	0.00	-71.23	0.00	71.23	1,068.14	534.07	941.07	464.76	30.53	-2.44	0.164
140.00	-11.53	-2.06	0.00	-69.15	0.00	69.15	1,063.53	531.76	930.61	459.59	31.05	-2.46	0.161
141.00	-11.41	-2.04	0.00	-67.09	0.00	67.09	1,058.88	529.44	920.17	454.44	31.57	-2.49	0.158
142.00	-11.28	-2.02	0.00	-65.05	0.00	65.05	1,054.19	527.09	909.76	449.30	32.09	-2.51	0.155
143.00	-11.16	-2.00	0.00	-63.03	0.00	63.03	1,049.47	524.73	899.37	444.17	32.62	-2.53	0.153
144.00	-11.03	-1.98	0.00	-61.02	0.00	61.02	1,044.71	522.35	889.01	439.05	33.15	-2.55	0.150
145.00	-10.91	-1.96	0.00	-59.04	0.00	59.04	1,039.92	519.96	878.68	433.95	33.69	-2.57	0.147
146.00	-10.79	-1.94	0.00	-57.08	0.00	57.08	1,035.09	517.54	868.38	428.86	34.23	-2.60	0.144
147.00	-10.67	-1.92	0.00	-55.14	0.00	55.14	1,030.22	515.11	858.10	423.79	34.77	-2.62	0.140
148.00	-10.55	-1.90	0.00	-53.21	0.00	53.21	1,025.32	512.66	847.86	418.72	35.32	-2.64	0.137
149.00	-10.43	-1.88	0.00	-51.31	0.00	51.31	1,020.39	510.19	837.64	413.68	35.88	-2.66	0.134
150.00	-10.31	-1.86	0.00	-49.42	0.00	49.42	1,015.42	507.71	827.46	408.65	36.44	-2.68	0.131
151.00	-10.19	-1.84	0.00	-47.56	0.00	47.56	1,010.41	505.21	817.30	403.63	37.00	-2.70	0.128
152.00	-10.08	-1.82	0.00	-45.72	0.00	45.72	1,005.37	502.69	807.18	398.64	37.57	-2.72	0.125
153.00	-9.96	-1.80	0.00	-43.89	0.00	43.89	1,000.30	500.15	797.09	393.65	38.14	-2.74	0.121
154.00	-9.85	-1.78	0.00	-42.09	0.00	42.09	995.19	497.59	787.03	388.69	38.71	-2.76	0.118
155.00	-9.73	-1.76	0.00	-40.31	0.00	40.31	990.04	495.02	777.01	383.74	39.29	-2.77	0.115
156.00	-9.62	-1.74	0.00	-38.54	0.00	38.54	983.06	491.53	765.62	378.11	39.88	-2.79	0.112
157.00	-9.50	-1.72	0.00	-36.80	0.00	36.80	975.56	487.78	753.91	372.33	40.46	-2.81	0.109
158.00	-9.39	-1.70	0.00	-35.08	0.00	35.08	968.05	484.03	742.29	366.59	41.05	-2.83	0.105

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 43 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

159.00	-9.28	-1.68	0.00	-33.37	0.00	33.37	960.55	480.27	730.76	360.90	41.65	-2.84	0.102
160.00	-9.17	-1.66	0.00	-31.69	0.00	31.69	953.04	476.52	719.32	355.25	42.24	-2.86	0.099
161.00	-9.06	-1.64	0.00	-30.03	0.00	30.03	945.54	472.77	707.97	349.64	42.84	-2.88	0.095
162.00	-8.95	-1.62	0.00	-28.39	0.00	28.39	938.04	469.02	696.71	344.08	43.45	-2.89	0.092
163.00	-8.84	-1.60	0.00	-26.76	0.00	26.76	930.53	465.27	685.54	338.56	44.05	-2.91	0.089
164.00	-8.73	-1.58	0.00	-25.16	0.00	25.16	923.03	461.51	674.47	333.09	44.66	-2.92	0.085
165.00	-8.62	-1.56	0.00	-23.58	0.00	23.58	915.52	457.76	663.48	327.67	45.28	-2.93	0.081
166.00	-8.51	-1.54	0.00	-22.02	0.00	22.02	908.02	454.01	652.58	322.29	45.89	-2.95	0.078
167.00	-8.41	-1.52	0.00	-20.48	0.00	20.48	900.52	450.26	641.77	316.95	46.51	-2.96	0.074
168.00	-8.30	-1.50	0.00	-18.96	0.00	18.96	893.01	446.51	631.06	311.65	47.13	-2.97	0.070
169.00	-8.20	-1.48	0.00	-17.46	0.00	17.46	885.51	442.75	620.43	306.41	47.75	-2.98	0.066
170.00	-8.09	-1.46	0.00	-15.98	0.00	15.98	878.00	439.00	609.89	301.20	48.38	-2.99	0.062
171.00	-7.99	-1.44	0.00	-14.52	0.00	14.52	870.50	435.25	599.45	296.04	49.01	-3.00	0.058
172.00	-7.89	-1.42	0.00	-13.08	0.00	13.08	863.00	431.50	589.09	290.93	49.64	-3.01	0.054
173.00	-7.79	-1.40	0.00	-11.66	0.00	11.66	855.49	427.75	578.82	285.86	50.27	-3.02	0.050
174.00	-7.69	-1.38	0.00	-10.26	0.00	10.26	847.99	423.99	568.65	280.83	50.90	-3.03	0.046
175.00	-7.59	-1.36	0.00	-8.88	0.00	8.88	840.48	420.24	558.56	275.85	51.54	-3.04	0.041
176.00	-7.49	-1.34	0.00	-7.53	0.00	7.53	832.98	416.49	548.57	270.92	52.17	-3.04	0.037
177.00	-7.39	-1.32	0.00	-6.19	0.00	6.19	825.48	412.74	538.66	266.02	52.81	-3.05	0.032
178.00	-7.29	-1.30	0.00	-4.87	0.00	4.87	817.97	408.99	528.85	261.18	53.45	-3.05	0.028
179.00	-7.19	-1.28	0.00	-3.57	0.00	3.57	810.47	405.23	519.12	256.38	54.09	-3.05	0.023
180.00	-0.05	-0.01	0.00	-0.01	0.00	0.01	802.96	401.48	509.49	251.62	54.73	-3.06	0.000
180.58	0.00	-0.01	0.00	0.00	0.00	0.00	798.59	399.29	503.91	248.86	55.10	-3.06	0.000

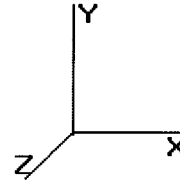
Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
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 Topographic Category : 1
 Base Elev: 0.000 (ft)

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Load Case: 1.0D + 1.0W	60.00 mph Serviceability	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

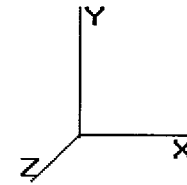
Shaft Segment Forces (Factored)

Seg Top	Elev	Description	Kzt	Kz	qz	qzGh	C	Cf	Ice	Thick	Tributary	Aa	CfAa	Wind	Dead	Tot Dead
	(ft)				(psf)	(psf)	(mph-ft)		(in)	(ft)	(sf)	(sf)	Force X	Load Ice	Load	Load
													(lb)	(lb)	(lb)	(lb)
	0.00		1.00	0.70	6.129	6.742	180.59	1.000	0.000	0.00	0.000	0.00	0.00	0.0	0.0	0.0
	1.00		1.00	0.70	6.129	6.742	179.97	1.000	0.000	1.00	3.591	3.59	24.2	0.0	0.0	197.5
	2.00		1.00	0.70	6.129	6.742	179.34	1.000	0.000	1.00	3.579	3.58	24.1	0.0	0.0	196.8
	3.00		1.00	0.70	6.129	6.742	178.71	1.000	0.000	1.00	3.566	3.57	24.0	0.0	0.0	196.1
	4.00		1.00	0.70	6.129	6.742	178.09	1.000	0.000	1.00	3.554	3.55	24.0	0.0	0.0	195.4
	5.00		1.00	0.70	6.129	6.742	177.46	1.000	0.000	1.00	3.541	3.54	23.9	0.0	0.0	194.7
	6.00		1.00	0.70	6.129	6.742	176.84	1.000	0.000	1.00	3.529	3.53	23.8	0.0	0.0	194.0
	7.00		1.00	0.70	6.129	6.742	176.21	1.000	0.000	1.00	3.517	3.52	23.7	0.0	0.0	193.3
	8.00		1.00	0.70	6.129	6.742	175.59	1.000	0.000	1.00	3.504	3.50	23.6	0.0	0.0	192.6
	9.00		1.00	0.70	6.129	6.742	174.96	1.000	0.000	1.00	3.492	3.49	23.5	0.0	0.0	191.9
	10.00		1.00	0.70	6.129	6.742	174.33	1.000	0.000	1.00	3.479	3.48	23.5	0.0	0.0	191.2
	11.00		1.00	0.70	6.129	6.742	173.71	1.000	0.000	1.00	3.467	3.47	23.4	0.0	0.0	190.5
	12.00		1.00	0.70	6.129	6.742	173.08	1.000	0.000	1.00	3.454	3.45	23.3	0.0	0.0	189.8
	13.00		1.00	0.70	6.129	6.742	172.46	1.000	0.000	1.00	3.442	3.44	23.2	0.0	0.0	189.1
	14.00		1.00	0.70	6.129	6.742	171.83	1.000	0.000	1.00	3.429	3.43	23.1	0.0	0.0	188.4
	15.00		1.00	0.70	6.129	6.742	171.20	1.000	0.000	1.00	3.417	3.42	23.0	0.0	0.0	187.8
	16.00		1.00	0.70	6.129	6.742	170.58	1.000	0.000	1.00	3.404	3.40	23.0	0.0	0.0	187.1
	17.00		1.00	0.70	6.129	6.742	169.95	1.000	0.000	1.00	3.392	3.39	22.9	0.0	0.0	186.4
	18.00		1.00	0.70	6.129	6.742	169.33	1.000	0.000	1.00	3.379	3.38	22.8	0.0	0.0	185.7
	19.00		1.00	0.70	6.129	6.742	168.70	1.000	0.000	1.00	3.367	3.37	22.7	0.0	0.0	185.0
	20.00		1.00	0.70	6.129	6.742	168.07	1.000	0.000	1.00	3.354	3.35	22.6	0.0	0.0	184.3
	21.00		1.00	0.70	6.129	6.742	167.45	1.000	0.000	1.00	3.342	3.34	22.5	0.0	0.0	183.6
	22.00		1.00	0.70	6.129	6.742	166.82	1.000	0.000	1.00	3.329	3.33	22.4	0.0	0.0	182.9
	23.00		1.00	0.70	6.129	6.742	166.20	1.000	0.000	1.00	3.317	3.32	22.4	0.0	0.0	182.2
	24.00		1.00	0.70	6.129	6.742	165.57	1.000	0.000	1.00	3.305	3.30	22.3	0.0	0.0	181.5
	25.00		1.00	0.70	6.129	6.742	164.94	1.000	0.000	1.00	3.292	3.29	22.2	0.0	0.0	180.8
	26.00		1.00	0.70	6.129	6.742	164.32	1.000	0.000	1.00	3.280	3.28	22.1	0.0	0.0	180.1
	27.00		1.00	0.70	6.129	6.742	163.69	1.000	0.000	1.00	3.267	3.27	22.0	0.0	0.0	179.4
	28.00		1.00	0.70	6.129	6.742	163.07	1.000	0.000	1.00	3.255	3.25	21.9	0.0	0.0	178.7
	29.00		1.00	0.70	6.129	6.742	162.44	1.000	0.000	1.00	3.242	3.24	21.9	0.0	0.0	178.1
	30.00		1.00	0.70	6.134	6.747	161.88	1.000	0.000	1.00	3.230	3.23	21.8	0.0	0.0	177.4
	31.00		1.00	0.70	6.192	6.811	162.01	1.000	0.000	1.00	3.217	3.22	21.9	0.0	0.0	176.7
	32.00		1.00	0.71	6.248	6.873	162.12	1.000	0.000	1.00	3.205	3.20	22.0	0.0	0.0	176.0
	33.00		1.00	0.72	6.303	6.933	162.20	1.000	0.000	1.00	3.192	3.19	22.1	0.0	0.0	175.3
	34.00		1.00	0.72	6.357	6.993	162.25	1.000	0.000	1.00	3.180	3.18	22.2	0.0	0.0	174.6
	35.00		1.00	0.73	6.410	7.051	162.29	1.000	0.000	1.00	3.167	3.17	22.3	0.0	0.0	173.9
	36.00		1.00	0.73	6.462	7.108	162.30	1.000	0.000	1.00	3.155	3.15	22.4	0.0	0.0	173.2
	37.00		1.00	0.74	6.513	7.164	162.29	1.000	0.000	1.00	3.142	3.14	22.5	0.0	0.0	172.5
	38.00		1.00	0.75	6.562	7.219	162.26	1.000	0.000	1.00	3.130	3.13	22.6	0.0	0.0	171.8
	39.00		1.00	0.75	6.611	7.272	162.21	1.000	0.000	1.00	3.118	3.12	22.7	0.0	0.0	171.1
	40.00		1.00	0.76	6.659	7.325	162.15	1.000	0.000	1.00	3.105	3.11	22.7	0.0	0.0	170.4
	41.00		1.00	0.76	6.706	7.377	162.07	1.000	0.000	1.00	3.093	3.09	22.8	0.0	0.0	169.7
	42.00		1.00	0.77	6.753	7.428	161.97	1.000	0.000	1.00	3.080	3.08	22.9	0.0	0.0	169.0
	43.00		1.00	0.77	6.798	7.478	161.86	1.000	0.000	1.00	3.068	3.07	22.9	0.0	0.0	168.4
	44.00		1.00	0.78	6.843	7.527	161.73	1.000	0.000	1.00	3.055	3.06	23.0	0.0	0.0	167.7
	44.75	Top - Section 1	1.00	0.78	6.876	7.564	161.62	1.000	0.000	0.75	2.283	2.28	17.3	0.0	0.0	125.3
	45.00		1.00	0.78	6.887	7.576	161.58	1.000	0.000	0.25	0.760	0.76	5.8	0.0	0.0	35.8
	46.00		1.00	0.79	6.931	7.624	161.43	1.000	0.000	1.00	3.030	3.03	23.1	0.0	0.0	142.8
	47.00		1.00	0.79	6.973	7.671	161.25	1.000	0.000	1.00	3.018	3.02	23.1	0.0	0.0	142.2
	48.00		1.00	0.80	7.015	7.717	161.07	1.000	0.000	1.00	3.005	3.01	23.2	0.0	0.0	141.6
	49.00		1.00	0.80	7.057	7.763	160.87	1.000	0.000	1.00	2.993	2.99	23.2	0.0	0.0	141.0

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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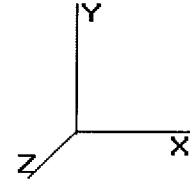
Load Case: 1.0D + 1.0W 60.00 mph Serviceability 41 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.00
Wind Load Factor: 1.00

50.00	1.00	0.81	7.098	7.807	160.67	1.000	0.000	1.00	2.980	2.98	23.3	0.0	140.4
51.00	1.00	0.81	7.138	7.852	160.45	1.000	0.000	1.00	2.968	2.97	23.3	0.0	139.8
52.00	1.00	0.82	7.178	7.895	160.21	1.000	0.000	1.00	2.955	2.96	23.3	0.0	139.2
53.00	1.00	0.82	7.217	7.939	159.97	1.000	0.000	1.00	2.943	2.94	23.4	0.0	138.6
54.00	1.00	0.82	7.255	7.981	159.72	1.000	0.000	1.00	2.930	2.93	23.4	0.0	138.0
55.00	1.00	0.83	7.294	8.023	159.45	1.000	0.000	1.00	2.918	2.92	23.4	0.0	137.4
56.00	1.00	0.83	7.331	8.064	159.18	1.000	0.000	1.00	2.906	2.91	23.4	0.0	136.8
57.00	1.00	0.84	7.368	8.105	158.90	1.000	0.000	1.00	2.893	2.89	23.4	0.0	136.2
58.00	1.00	0.84	7.405	8.146	158.60	1.000	0.000	1.00	2.881	2.88	23.5	0.0	135.7
59.00	1.00	0.85	7.441	8.186	158.30	1.000	0.000	1.00	2.868	2.87	23.5	0.0	135.1
60.00	1.00	0.85	7.477	8.225	157.99	1.000	0.000	1.00	2.856	2.86	23.5	0.0	134.5
61.00	1.00	0.85	7.513	8.264	157.67	1.000	0.000	1.00	2.843	2.84	23.5	0.0	133.9
62.00	1.00	0.86	7.548	8.302	157.34	1.000	0.000	1.00	2.831	2.83	23.5	0.0	133.3
63.00	1.00	0.86	7.582	8.340	157.01	1.000	0.000	1.00	2.818	2.82	23.5	0.0	132.7
64.00	1.00	0.87	7.616	8.378	156.66	1.000	0.000	1.00	2.806	2.81	23.5	0.0	132.1
65.00	1.00	0.87	7.650	8.415	156.31	1.000	0.000	1.00	2.793	2.79	23.5	0.0	131.5
66.00	1.00	0.87	7.684	8.452	155.95	1.000	0.000	1.00	2.781	2.78	23.5	0.0	130.9
67.00	1.00	0.88	7.717	8.488	155.59	1.000	0.000	1.00	2.768	2.77	23.5	0.0	130.3
68.00	1.00	0.88	7.749	8.524	155.21	1.000	0.000	1.00	2.756	2.76	23.5	0.0	129.7
69.00	1.00	0.88	7.782	8.560	154.83	1.000	0.000	1.00	2.743	2.74	23.5	0.0	129.1
70.00	1.00	0.89	7.814	8.595	154.44	1.000	0.000	1.00	2.731	2.73	23.5	0.0	128.5
71.00	1.00	0.89	7.846	8.630	154.05	1.000	0.000	1.00	2.719	2.72	23.5	0.0	127.9
72.00	1.00	0.90	7.877	8.665	153.65	1.000	0.000	1.00	2.706	2.71	23.4	0.0	127.3
73.00	1.00	0.90	7.908	8.699	153.24	1.000	0.000	1.00	2.694	2.69	23.4	0.0	126.7
74.00	1.00	0.90	7.939	8.733	152.82	1.000	0.000	1.00	2.681	2.68	23.4	0.0	126.1
75.00	1.00	0.91	7.969	8.766	152.40	1.000	0.000	1.00	2.669	2.67	23.4	0.0	125.6
76.00	1.00	0.91	8.000	8.800	151.98	1.000	0.000	1.00	2.656	2.66	23.4	0.0	125.0
77.00	1.00	0.91	8.030	8.833	151.54	1.000	0.000	1.00	2.644	2.64	23.4	0.0	124.4
78.00	1.00	0.92	8.059	8.865	151.11	1.000	0.000	1.00	2.631	2.63	23.3	0.0	123.8
79.00	1.00	0.92	8.089	8.897	150.66	1.000	0.000	1.00	2.619	2.62	23.3	0.0	123.2
80.00	1.00	0.92	8.118	8.930	150.21	1.000	0.000	1.00	2.606	2.61	23.3	0.0	122.6
81.00	1.00	0.93	8.147	8.961	149.76	1.000	0.000	1.00	2.594	2.59	23.2	0.0	122.0
82.00	1.00	0.93	8.175	8.993	149.30	1.000	0.000	1.00	2.581	2.58	23.2	0.0	121.4
83.00	1.00	0.93	8.204	9.024	148.83	1.000	0.000	1.00	2.569	2.57	23.2	0.0	120.8
84.00	1.00	0.94	8.232	9.055	148.36	1.000	0.000	1.00	2.556	2.56	23.1	0.0	120.2
85.00	1.00	0.94	8.260	9.086	147.89	1.000	0.000	1.00	2.544	2.54	23.1	0.0	119.6
85.75	Top - Section 2	1.00	0.94	8.280	9.108	147.53	1.000	0.75	1.900	1.90	17.3	0.0	89.3
86.00		1.00	0.94	8.287	9.116	147.40	1.000	0.25	0.632	0.63	5.8	0.0	19.9
87.00		1.00	0.95	8.315	9.146	146.92	1.000	1.00	2.519	2.52	23.0	0.0	79.3
88.00		1.00	0.95	8.342	9.176	146.43	1.000	1.00	2.507	2.51	23.0	0.0	78.9
89.00		1.00	0.95	8.369	9.206	145.93	1.000	1.00	2.494	2.49	23.0	0.0	78.5
90.00		1.00	0.95	8.396	9.235	145.43	1.000	1.00	2.482	2.48	22.9	0.0	78.1
91.00		1.00	0.96	8.422	9.264	144.93	1.000	1.00	2.469	2.47	22.9	0.0	77.7
92.00		1.00	0.96	8.448	9.293	144.42	1.000	1.00	2.457	2.46	22.8	0.0	77.3
93.00		1.00	0.96	8.475	9.322	143.91	1.000	1.00	2.444	2.44	22.8	0.0	76.9
94.00		1.00	0.97	8.501	9.351	143.39	1.000	1.00	2.432	2.43	22.7	0.0	76.5
95.00		1.00	0.97	8.526	9.379	142.87	1.000	1.00	2.419	2.42	22.7	0.0	76.1
96.00		1.00	0.97	8.552	9.407	142.35	1.000	1.00	2.407	2.41	22.6	0.0	75.7
97.00		1.00	0.98	8.577	9.435	141.82	1.000	1.00	2.394	2.39	22.6	0.0	75.3
98.00		1.00	0.98	8.602	9.463	141.28	1.000	1.00	2.382	2.38	22.5	0.0	74.9
99.00		1.00	0.98	8.627	9.490	140.74	1.000	1.00	2.369	2.37	22.5	0.0	74.5
100.0		1.00	0.98	8.652	9.517	140.20	1.000	1.00	2.357	2.36	22.4	0.0	74.1
101.0		1.00	0.99	8.677	9.544	139.66	1.000	1.00	2.344	2.34	22.4	0.0	73.8
102.0		1.00	0.99	8.701	9.571	139.11	1.000	1.00	2.332	2.33	22.3	0.0	73.4
103.0		1.00	0.99	8.726	9.598	138.56	1.000	1.00	2.319	2.32	22.3	0.0	73.0
104.0		1.00	0.99	8.750	9.625	138.00	1.000	1.00	2.307	2.31	22.2	0.0	72.6
105.0		1.00	1.00	8.774	9.651	137.44	1.000	1.00	2.295	2.29	22.1	0.0	72.2

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

41 Iterations

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

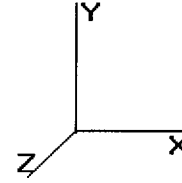
Wind Importance Factor : 1.00

106.0	1.00	1.00	8.797	9.677	136.88	1.000	0.000	1.00	2.282	2.28	22.1	0.0	71.8	
107.0	1.00	1.00	8.821	9.703	136.31	1.000	0.000	1.00	2.270	2.27	22.0	0.0	71.4	
108.0	1.00	1.01	8.845	9.729	135.74	1.000	0.000	1.00	2.257	2.26	22.0	0.0	71.0	
109.0	1.00	1.01	8.868	9.755	135.16	1.000	0.000	1.00	2.245	2.24	21.9	0.0	70.6	
110.0	1.00	1.01	8.891	9.780	134.59	1.000	0.000	1.00	2.232	2.23	21.8	0.0	70.2	
111.0	1.00	1.01	8.914	9.805	134.01	1.000	0.000	1.00	2.220	2.22	21.8	0.0	69.8	
112.0	1.00	1.02	8.937	9.831	133.42	1.000	0.000	1.00	2.207	2.21	21.7	0.0	69.4	
113.0	1.00	1.02	8.960	9.856	132.83	1.000	0.000	1.00	2.195	2.19	21.6	0.0	69.0	
114.0	1.00	1.02	8.982	9.880	132.24	1.000	0.000	1.00	2.182	2.18	21.6	0.0	68.6	
115.0	1.00	1.02	9.005	9.905	131.65	1.000	0.000	1.00	2.170	2.17	21.5	0.0	68.2	
116.0	1.00	1.03	9.027	9.930	131.05	1.000	0.000	1.00	2.157	2.16	21.4	0.0	67.8	
117.0	1.00	1.03	9.049	9.954	130.45	1.000	0.000	1.00	2.145	2.14	21.4	0.0	67.4	
118.0	1.00	1.03	9.071	9.978	129.85	1.000	0.000	1.00	2.132	2.13	21.3	0.0	67.0	
119.0	1.00	1.03	9.093	10.000	129.24	1.000	0.000	1.00	2.120	2.12	21.2	0.0	66.6	
120.0	1.00	1.04	9.115	10.020	128.64	1.000	0.000	1.00	2.108	2.11	21.1	0.0	66.2	
121.0	1.00	1.04	9.136	10.050	128.02	1.000	0.000	1.00	2.095	2.10	21.1	0.0	65.8	
122.0	1.00	1.04	9.158	10.070	127.41	1.000	0.000	1.00	2.083	2.08	21.0	0.0	65.4	
123.0	1.00	1.04	9.179	10.090	126.79	1.000	0.000	1.00	2.070	2.07	20.9	0.0	65.0	
124.0	1.00	1.05	9.201	10.120	126.17	1.000	0.000	1.00	2.058	2.06	20.8	0.0	64.6	
125.0	1.00	1.05	9.222	10.140	125.55	1.000	0.000	1.00	2.045	2.05	20.7	0.0	64.3	
125.5	Top - Section 3	1.00	1.05	9.232	10.150	125.24	1.000	0.50	1.018	1.02	10.3	0.0	32.0	
126.0		1.00	1.05	9.243	10.160	124.92	1.000	0.000	0.50	1.015	1.01	10.3	0.0	27.9
127.0		1.00	1.05	9.264	10.190	124.29	1.000	0.000	1.00	2.020	2.02	20.6	0.0	55.6
128.0		1.00	1.06	9.284	10.210	123.66	1.000	0.000	1.00	2.008	2.01	20.5	0.0	55.3
129.0		1.00	1.06	9.305	10.230	123.03	1.000	0.000	1.00	1.995	2.00	20.4	0.0	54.9
130.0		1.00	1.06	9.326	10.250	122.39	1.000	0.000	1.00	1.983	1.98	20.3	0.0	54.6
131.0		1.00	1.06	9.346	10.280	121.75	1.000	0.000	1.00	1.970	1.97	20.3	0.0	54.2
132.0		1.00	1.07	9.366	10.300	121.11	1.000	0.000	1.00	1.958	1.96	20.2	0.0	53.9
133.0		1.00	1.07	9.387	10.320	120.47	1.000	0.000	1.00	1.945	1.95	20.1	0.0	53.5
134.0		1.00	1.07	9.407	10.340	119.82	1.000	0.000	1.00	1.933	1.93	20.0	0.0	53.2
135.0		1.00	1.07	9.427	10.360	119.17	1.000	0.000	1.00	1.920	1.92	19.9	0.0	52.8
136.0		1.00	1.07	9.447	10.390	118.52	1.000	0.000	1.00	1.908	1.91	19.8	0.0	52.5
137.0		1.00	1.08	9.466	10.410	117.87	1.000	0.000	1.00	1.896	1.90	19.7	0.0	52.1
138.0		1.00	1.08	9.486	10.430	117.21	1.000	0.000	1.00	1.883	1.88	19.6	0.0	51.8
139.0		1.00	1.08	9.506	10.450	116.55	1.000	0.000	1.00	1.871	1.87	19.6	0.0	51.4
140.0		1.00	1.08	9.525	10.470	115.89	1.000	0.000	1.00	1.858	1.86	19.5	0.0	51.1
141.0		1.00	1.09	9.545	10.490	115.23	1.000	0.000	1.00	1.846	1.85	19.4	0.0	50.8
142.0		1.00	1.09	9.564	10.520	114.56	1.000	0.000	1.00	1.833	1.83	19.3	0.0	50.4
143.0		1.00	1.09	9.583	10.540	113.90	1.000	0.000	1.00	1.821	1.82	19.2	0.0	50.1
144.0		1.00	1.09	9.602	10.560	113.23	1.000	0.000	1.00	1.808	1.81	19.1	0.0	49.7
145.0		1.00	1.09	9.621	10.580	112.55	1.000	0.000	1.00	1.796	1.80	19.0	0.0	49.4
146.0		1.00	1.10	9.640	10.600	111.88	1.000	0.000	1.00	1.783	1.78	18.9	0.0	49.0
147.0		1.00	1.10	9.659	10.620	111.20	1.000	0.000	1.00	1.771	1.77	18.8	0.0	48.7
148.0		1.00	1.10	9.678	10.640	110.52	1.000	0.000	1.00	1.758	1.76	18.7	0.0	48.3
149.0		1.00	1.10	9.696	10.660	109.84	1.000	0.000	1.00	1.746	1.75	18.6	0.0	48.0
150.0		1.00	1.11	9.715	10.680	109.16	1.000	0.000	1.00	1.733	1.73	18.5	0.0	47.6
151.0		1.00	1.11	9.733	10.700	108.47	1.000	0.000	1.00	1.721	1.72	18.4	0.0	47.3
152.0		1.00	1.11	9.752	10.720	107.79	1.000	0.000	1.00	1.709	1.71	18.3	0.0	46.9
153.0		1.00	1.11	9.770	10.740	107.10	1.000	0.000	1.00	1.696	1.70	18.2	0.0	46.6
154.0		1.00	1.11	9.788	10.760	106.41	1.000	0.000	1.00	1.684	1.68	18.1	0.0	46.2
155.0		1.00	1.12	9.806	10.780	105.71	1.000	0.000	1.00	1.671	1.67	18.0	0.0	45.9
156.0		1.00	1.12	9.824	10.800	105.02	1.000	0.000	1.00	1.659	1.66	17.9	0.0	45.6
157.0		1.00	1.12	9.842	10.820	104.32	1.000	0.000	1.00	1.646	1.65	17.8	0.0	45.2
158.0		1.00	1.12	9.860	10.840	103.62	1.000	0.000	1.00	1.634	1.63	17.7	0.0	44.9
159.0		1.00	1.12	9.878	10.860	102.92	1.000	0.000	1.00	1.621	1.62	17.6	0.0	44.5
160.0		1.00	1.13	9.896	10.880	102.22	1.000	0.000	1.00	1.609	1.61	17.5	0.0	44.2
161.0		1.00	1.13	9.913	10.900	101.51	1.000	0.000	1.00	1.596	1.60	17.4	0.0	43.8

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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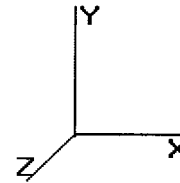
Load Case: 1.0D + 1.0W 60.00 mph Serviceability 41 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

162.0	1.00	1.13	9.931	10.92	100.81	1.000	0.000	1.00	1.584	1.58	17.3	0.0	43.5	
163.0	1.00	1.13	9.948	10.94	100.10	1.000	0.000	1.00	1.571	1.57	17.2	0.0	43.1	
164.0	1.00	1.13	9.966	10.96	99.390	1.000	0.000	1.00	1.559	1.56	17.1	0.0	42.8	
165.0	1.00	1.14	9.983	10.98	98.678	1.000	0.000	1.00	1.546	1.55	17.0	0.0	42.4	
166.0	1.00	1.14	10.000	11.00	97.963	1.000	0.000	1.00	1.534	1.53	16.9	0.0	42.1	
167.0	1.00	1.14	10.017	11.01	97.247	1.000	0.000	1.00	1.521	1.52	16.8	0.0	41.7	
168.0	1.00	1.14	10.035	11.03	96.529	1.000	0.000	1.00	1.509	1.51	16.7	0.0	41.4	
169.0	1.00	1.14	10.052	11.05	95.809	1.000	0.000	1.00	1.497	1.50	16.5	0.0	41.1	
170.0	1.00	1.15	10.069	11.07	95.088	1.000	0.000	1.00	1.484	1.48	16.4	0.0	40.7	
171.0	1.00	1.15	10.085	11.09	94.364	1.000	0.000	1.00	1.472	1.47	16.3	0.0	40.4	
172.0	1.00	1.15	10.102	11.11	93.639	1.000	0.000	1.00	1.459	1.46	16.2	0.0	40.0	
173.0	1.00	1.15	10.119	11.13	92.913	1.000	0.000	1.00	1.447	1.45	16.1	0.0	39.7	
174.0	1.00	1.15	10.136	11.14	92.184	1.000	0.000	1.00	1.434	1.43	16.0	0.0	39.3	
175.0	1.00	1.16	10.152	11.16	91.454	1.000	0.000	1.00	1.422	1.42	15.9	0.0	39.0	
176.0	1.00	1.16	10.169	11.18	90.722	1.000	0.000	1.00	1.409	1.41	15.8	0.0	38.6	
177.0	1.00	1.16	10.185	11.20	89.989	1.000	0.000	1.00	1.397	1.40	15.6	0.0	38.3	
178.0	1.00	1.16	10.202	11.22	89.254	1.000	0.000	1.00	1.384	1.38	15.5	0.0	37.9	
179.0	1.00	1.16	10.218	11.24	88.517	1.000	0.000	1.00	1.372	1.37	15.4	0.0	37.6	
180.0	Appertunance(s)	1.00	1.16	10.234	11.25	87.779	1.000	0.000	1.00	1.359	1.36	15.3	0.0	37.2
180.5		1.00	1.17	10.244	11.26	87.347	1.000	0.58	0.787	0.79	8.9	0.0	21.6	
Totals:								180.58			3,851.2	0.0	18,938.1	

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 41 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

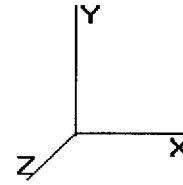
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
180.0	Andrew SBNH-	2	10.315	11.346	0.56	0.75	12.87	0.000	5.000	146.03	0.00	730.13	121.60
180.0	Ericsson RRUS-11 800	6	10.315	11.346	0.38	0.75	5.67	0.000	5.000	64.33	0.00	321.67	324.00
180.0	KMW AM-X-CD-17-65-	1	10.315	11.346	0.75	0.75	8.48	0.000	5.000	96.24	0.00	481.22	59.50
180.0	LGP Allgon LGP21903	6	10.315	11.346	0.38	0.75	0.52	0.000	5.000	5.87	0.00	29.36	33.00
180.0	Platform w/ Handrail	1	10.234	11.258	1.00	1.00	27.20	0.000	0.000	306.21	0.00	0.00	2,000.00
180.0	Powerwave 7770.00	6	10.315	11.346	0.49	0.75	16.12	0.000	5.000	182.86	0.00	914.32	210.00
180.0	Powerwave LGP17201	6	10.315	11.346	0.38	0.75	3.76	0.000	5.000	42.63	0.00	213.17	186.00
180.0	Raycap DC6-48-60-18-	1	10.315	11.346	0.38	0.75	0.42	0.000	5.000	4.72	0.00	23.61	20.00
										848.91			2,954.10

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
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Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

41 Iterations

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

Wind Importance Factor : 1.00

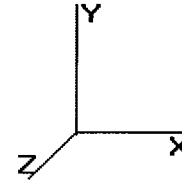
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	24.21	207.98	0.00	0.00
2.00	24.13	207.29	0.00	0.00
3.00	24.04	206.60	0.00	0.00
4.00	23.96	205.90	0.00	0.00
5.00	23.87	205.21	0.00	0.00
6.00	23.79	204.52	0.00	0.00
7.00	23.71	203.82	0.00	0.00
8.00	23.62	203.13	0.00	0.00
9.00	23.54	202.44	0.00	0.00
10.00	23.45	201.75	0.00	0.00
11.00	23.37	201.05	0.00	0.00
12.00	23.29	200.36	0.00	0.00
13.00	23.20	199.67	0.00	0.00
14.00	23.12	198.97	0.00	0.00
15.00	23.03	198.28	0.00	0.00
16.00	22.95	197.59	0.00	0.00
17.00	22.87	196.90	0.00	0.00
18.00	22.78	196.20	0.00	0.00
19.00	22.70	195.51	0.00	0.00
20.00	22.61	194.82	0.00	0.00
21.00	22.53	194.12	0.00	0.00
22.00	22.45	193.43	0.00	0.00
23.00	22.36	192.74	0.00	0.00
24.00	22.28	192.05	0.00	0.00
25.00	22.19	191.35	0.00	0.00
26.00	22.11	190.66	0.00	0.00
27.00	22.03	189.97	0.00	0.00
28.00	21.94	189.27	0.00	0.00
29.00	21.86	188.58	0.00	0.00
30.00	21.79	187.89	0.00	0.00
31.00	21.91	187.20	0.00	0.00
32.00	22.03	186.50	0.00	0.00
33.00	22.13	185.81	0.00	0.00
34.00	22.24	185.12	0.00	0.00
35.00	22.33	184.42	0.00	0.00
36.00	22.43	183.73	0.00	0.00
37.00	22.51	183.04	0.00	0.00
38.00	22.59	182.35	0.00	0.00
39.00	22.67	181.65	0.00	0.00
40.00	22.75	180.96	0.00	0.00
41.00	22.81	180.27	0.00	0.00
42.00	22.88	179.57	0.00	0.00
43.00	22.94	178.88	0.00	0.00
44.00	23.00	178.19	0.00	0.00
44.75	17.27	133.19	0.00	0.00
45.00	5.75	38.42	0.00	0.00
46.00	23.10	153.31	0.00	0.00
47.00	23.15	152.71	0.00	0.00
48.00	23.19	152.12	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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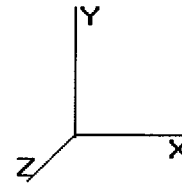
Load Case: 1.0D + 1.0W 60.00 mph Serviceability 41 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 1.00
Wind Load Factor : 1.00

49.00	23.23	151.53	0.00	0.00
50.00	23.27	150.93	0.00	0.00
51.00	23.30	150.34	0.00	0.00
52.00	23.33	149.74	0.00	0.00
53.00	23.36	149.15	0.00	0.00
54.00	23.39	148.56	0.00	0.00
55.00	23.41	147.96	0.00	0.00
56.00	23.43	147.37	0.00	0.00
57.00	23.45	146.77	0.00	0.00
58.00	23.46	146.18	0.00	0.00
59.00	23.48	145.59	0.00	0.00
60.00	23.49	144.99	0.00	0.00
61.00	23.50	144.40	0.00	0.00
62.00	23.50	143.80	0.00	0.00
63.00	23.51	143.21	0.00	0.00
64.00	23.51	142.62	0.00	0.00
65.00	23.51	142.02	0.00	0.00
66.00	23.50	141.43	0.00	0.00
67.00	23.50	140.84	0.00	0.00
68.00	23.49	140.24	0.00	0.00
69.00	23.48	139.65	0.00	0.00
70.00	23.47	139.05	0.00	0.00
71.00	23.46	138.46	0.00	0.00
72.00	23.45	137.87	0.00	0.00
73.00	23.43	137.27	0.00	0.00
74.00	23.41	136.68	0.00	0.00
75.00	23.39	136.08	0.00	0.00
76.00	23.37	135.49	0.00	0.00
77.00	23.35	134.90	0.00	0.00
78.00	23.33	134.30	0.00	0.00
79.00	23.30	133.71	0.00	0.00
80.00	23.27	133.12	0.00	0.00
81.00	23.24	132.52	0.00	0.00
82.00	23.21	131.93	0.00	0.00
83.00	23.18	131.33	0.00	0.00
84.00	23.15	130.74	0.00	0.00
85.00	23.11	130.15	0.00	0.00
85.75	17.30	97.22	0.00	0.00
86.00	5.76	22.52	0.00	0.00
87.00	23.04	89.82	0.00	0.00
88.00	23.00	89.43	0.00	0.00
89.00	22.96	89.03	0.00	0.00
90.00	22.92	88.64	0.00	0.00
91.00	22.87	88.24	0.00	0.00
92.00	22.83	87.84	0.00	0.00
93.00	22.78	87.45	0.00	0.00
94.00	22.74	87.05	0.00	0.00
95.00	22.69	86.66	0.00	0.00
96.00	22.64	86.26	0.00	0.00
97.00	22.59	85.87	0.00	0.00
98.00	22.54	85.47	0.00	0.00
99.00	22.49	85.07	0.00	0.00
100.0	22.43	84.68	0.00	0.00
101.0	22.38	84.28	0.00	0.00
102.0	22.32	83.89	0.00	0.00
103.0	22.26	83.49	0.00	0.00
104.0	22.20	83.09	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

41 Iterations

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

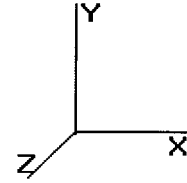
Wind Importance Factor : 1.00

105.0	22.14	82.70	0.00	0.00
106.0	22.08	82.30	0.00	0.00
107.0	22.02	81.91	0.00	0.00
108.0	21.96	81.51	0.00	0.00
109.0	21.90	81.11	0.00	0.00
110.0	21.83	80.72	0.00	0.00
111.0	21.77	80.32	0.00	0.00
112.0	21.70	79.93	0.00	0.00
113.0	21.63	79.53	0.00	0.00
114.0	21.56	79.13	0.00	0.00
115.0	21.49	78.74	0.00	0.00
116.0	21.42	78.34	0.00	0.00
117.0	21.35	77.95	0.00	0.00
118.0	21.28	77.55	0.00	0.00
119.0	21.20	77.16	0.00	0.00
120.0	21.13	76.76	0.00	0.00
121.0	21.06	76.36	0.00	0.00
122.0	20.98	75.97	0.00	0.00
123.0	20.90	75.57	0.00	0.00
124.0	20.82	75.18	0.00	0.00
125.0	20.75	74.78	0.00	0.00
125.5	10.34	37.24	0.00	0.00
126.0	10.32	33.20	0.00	0.00
127.0	20.59	66.13	0.00	0.00
128.0	20.51	65.78	0.00	0.00
129.0	20.42	65.44	0.00	0.00
130.0	20.34	65.09	0.00	0.00
131.0	20.26	64.74	0.00	0.00
132.0	20.17	64.40	0.00	0.00
133.0	20.09	64.05	0.00	0.00
134.0	20.00	63.71	0.00	0.00
135.0	19.91	63.36	0.00	0.00
136.0	19.83	63.01	0.00	0.00
137.0	19.74	62.67	0.00	0.00
138.0	19.65	62.32	0.00	0.00
139.0	19.56	61.97	0.00	0.00
140.0	19.47	61.63	0.00	0.00
141.0	19.38	61.28	0.00	0.00
142.0	19.29	60.93	0.00	0.00
143.0	19.19	60.59	0.00	0.00
144.0	19.10	60.24	0.00	0.00
145.0	19.01	59.89	0.00	0.00
146.0	18.91	59.55	0.00	0.00
147.0	18.81	59.20	0.00	0.00
148.0	18.72	58.86	0.00	0.00
149.0	18.62	58.51	0.00	0.00
150.0	18.52	58.16	0.00	0.00
151.0	18.43	57.82	0.00	0.00
152.0	18.33	57.47	0.00	0.00
153.0	18.23	57.12	0.00	0.00
154.0	18.13	56.78	0.00	0.00
155.0	18.03	56.43	0.00	0.00
156.0	17.92	56.08	0.00	0.00
157.0	17.82	55.74	0.00	0.00
158.0	17.72	55.39	0.00	0.00
159.0	17.62	55.05	0.00	0.00
160.0	17.51	54.70	0.00	0.00

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
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 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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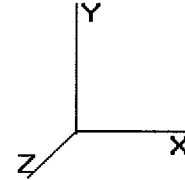
Load Case: 1.0D + 1.0W 60.00 mph Serviceability 41 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

161.0	17.41	54.35	0.00	0.00
162.0	17.30	54.01	0.00	0.00
163.0	17.20	53.66	0.00	0.00
164.0	17.09	53.31	0.00	0.00
165.0	16.98	52.97	0.00	0.00
166.0	16.87	52.62	0.00	0.00
167.0	16.77	52.27	0.00	0.00
168.0	16.66	51.93	0.00	0.00
169.0	16.55	51.58	0.00	0.00
170.0	16.44	51.23	0.00	0.00
171.0	16.33	50.89	0.00	0.00
172.0	16.21	50.54	0.00	0.00
173.0	16.10	50.20	0.00	0.00
174.0	15.99	49.85	0.00	0.00
175.0	15.88	49.50	0.00	0.00
176.0	15.76	49.16	0.00	0.00
177.0	15.65	48.81	0.00	0.00
178.0	15.53	48.46	0.00	0.00
179.0	15.42	48.12	0.00	0.00
180.0	864.21	3,001.87	0.00	2,713.48
180.5	8.87	21.56	0.00	0.00
Totals:	4,700.12	23,787.34	0.00	2,713.48

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.0D + 1.0W	60.00 mph Serviceability	41 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

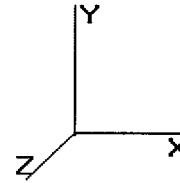
Calculated Forces

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	-23.79	-4.70	0.00	-513.62	0.00	513.62	4,173.88	2,086.94	7,090.68	3,501.82	0.00	0.00	0.152
1.00	-23.58	-4.68	0.00	-508.92	0.00	508.92	4,164.30	2,082.15	7,049.35	3,481.41	0.00	-0.01	0.152
2.00	-23.37	-4.66	0.00	-504.24	0.00	504.24	4,154.67	2,077.34	7,008.08	3,461.03	0.00	-0.02	0.151
3.00	-23.16	-4.64	0.00	-499.58	0.00	499.58	4,145.02	2,072.51	6,966.87	3,440.67	0.01	-0.03	0.151
4.00	-22.96	-4.62	0.00	-494.94	0.00	494.94	4,135.32	2,067.66	6,925.71	3,420.35	0.02	-0.05	0.150
5.00	-22.75	-4.60	0.00	-490.32	0.00	490.32	4,125.60	2,062.80	6,884.61	3,400.05	0.03	-0.06	0.150
6.00	-22.54	-4.58	0.00	-485.71	0.00	485.71	4,115.83	2,057.92	6,843.57	3,379.78	0.04	-0.07	0.149
7.00	-22.34	-4.56	0.00	-481.13	0.00	481.13	4,106.03	2,053.02	6,802.59	3,359.54	0.06	-0.08	0.149
8.00	-22.14	-4.54	0.00	-476.57	0.00	476.57	4,096.20	2,048.10	6,761.66	3,339.33	0.08	-0.09	0.148
9.00	-21.93	-4.53	0.00	-472.02	0.00	472.02	4,086.33	2,043.16	6,720.80	3,319.15	0.10	-0.10	0.148
10.00	-21.73	-4.51	0.00	-467.50	0.00	467.50	4,076.42	2,038.21	6,680.00	3,299.00	0.12	-0.12	0.147
11.00	-21.53	-4.49	0.00	-462.99	0.00	462.99	4,066.48	2,033.24	6,639.26	3,278.88	0.15	-0.13	0.147
12.00	-21.33	-4.47	0.00	-458.50	0.00	458.50	4,056.51	2,028.25	6,598.58	3,258.79	0.18	-0.14	0.146
13.00	-21.13	-4.45	0.00	-454.04	0.00	454.04	4,046.49	2,023.25	6,557.96	3,238.73	0.21	-0.15	0.145
14.00	-20.93	-4.43	0.00	-449.59	0.00	449.59	4,036.45	2,018.22	6,517.41	3,218.70	0.24	-0.16	0.145
15.00	-20.73	-4.41	0.00	-445.16	0.00	445.16	4,026.36	2,013.18	6,476.92	3,198.71	0.27	-0.17	0.144
16.00	-20.53	-4.39	0.00	-440.75	0.00	440.75	4,016.25	2,008.12	6,436.49	3,178.74	0.31	-0.19	0.144
17.00	-20.33	-4.37	0.00	-436.36	0.00	436.36	4,006.09	2,003.05	6,396.13	3,158.81	0.35	-0.20	0.143
18.00	-20.13	-4.35	0.00	-431.99	0.00	431.99	3,995.91	1,997.95	6,355.84	3,138.91	0.39	-0.21	0.143
19.00	-19.94	-4.33	0.00	-427.64	0.00	427.64	3,985.68	1,992.84	6,315.61	3,119.04	0.44	-0.22	0.142
20.00	-19.74	-4.31	0.00	-423.31	0.00	423.31	3,975.42	1,987.71	6,275.45	3,099.21	0.49	-0.23	0.142
21.00	-19.55	-4.29	0.00	-419.00	0.00	419.00	3,965.13	1,982.56	6,235.36	3,079.41	0.54	-0.24	0.141
22.00	-19.35	-4.27	0.00	-414.71	0.00	414.71	3,954.48	1,977.24	6,194.84	3,059.40	0.59	-0.26	0.140
23.00	-19.16	-4.25	0.00	-410.43	0.00	410.43	3,939.47	1,969.74	6,147.64	3,036.09	0.65	-0.27	0.140
24.00	-18.97	-4.23	0.00	-406.18	0.00	406.18	3,924.46	1,962.23	6,100.62	3,012.87	0.70	-0.28	0.140
25.00	-18.77	-4.22	0.00	-401.94	0.00	401.94	3,909.45	1,954.73	6,053.78	2,989.74	0.76	-0.29	0.139
26.00	-18.58	-4.20	0.00	-397.73	0.00	397.73	3,894.45	1,947.22	6,007.13	2,966.69	0.83	-0.30	0.139
27.00	-18.39	-4.18	0.00	-393.53	0.00	393.53	3,879.44	1,939.72	5,960.65	2,943.74	0.89	-0.32	0.138
28.00	-18.20	-4.16	0.00	-389.36	0.00	389.36	3,864.43	1,932.22	5,914.36	2,920.88	0.96	-0.33	0.138
29.00	-18.01	-4.14	0.00	-385.20	0.00	385.20	3,849.42	1,924.71	5,868.24	2,898.10	1.03	-0.34	0.138
30.00	-17.82	-4.12	0.00	-381.06	0.00	381.06	3,834.41	1,917.21	5,822.31	2,875.42	1.10	-0.35	0.137
31.00	-17.64	-4.10	0.00	-376.94	0.00	376.94	3,819.41	1,909.70	5,776.55	2,852.82	1.18	-0.36	0.137
32.00	-17.45	-4.08	0.00	-372.84	0.00	372.84	3,804.40	1,902.20	5,730.98	2,830.32	1.25	-0.38	0.136
33.00	-17.26	-4.06	0.00	-368.76	0.00	368.76	3,789.39	1,894.70	5,685.59	2,807.90	1.33	-0.39	0.136
34.00	-17.08	-4.04	0.00	-364.70	0.00	364.70	3,774.38	1,887.19	5,640.38	2,785.57	1.41	-0.40	0.135
35.00	-16.89	-4.02	0.00	-360.66	0.00	360.66	3,759.37	1,879.69	5,595.34	2,763.33	1.50	-0.41	0.135
36.00	-16.71	-4.00	0.00	-356.64	0.00	356.64	3,744.37	1,872.18	5,550.49	2,741.18	1.59	-0.42	0.135
37.00	-16.52	-3.98	0.00	-352.64	0.00	352.64	3,729.36	1,864.68	5,505.82	2,719.12	1.68	-0.44	0.134
38.00	-16.34	-3.96	0.00	-348.66	0.00	348.66	3,714.35	1,857.18	5,461.33	2,697.15	1.77	-0.45	0.134
39.00	-16.16	-3.94	0.00	-344.70	0.00	344.70	3,699.34	1,849.67	5,417.02	2,675.26	1.86	-0.46	0.133
40.00	-15.98	-3.92	0.00	-340.76	0.00	340.76	3,684.33	1,842.17	5,372.89	2,653.47	1.96	-0.47	0.133
41.00	-15.80	-3.90	0.00	-336.84	0.00	336.84	3,669.33	1,834.66	5,328.94	2,631.76	2.06	-0.48	0.132
42.00	-15.62	-3.88	0.00	-332.95	0.00	332.95	3,654.32	1,827.16	5,285.17	2,610.15	2.16	-0.50	0.132
43.00	-15.44	-3.85	0.00	-329.07	0.00	329.07	3,639.31	1,819.66	5,241.59	2,588.62	2.27	-0.51	0.131
44.00	-15.26	-3.83	0.00	-325.22	0.00	325.22	3,624.30	1,812.15	5,198.18	2,567.18	2.38	-0.52	0.131
44.75	-15.12	-3.82	0.00	-322.34	0.00	322.34	3,613.05	1,806.52	5,165.74	2,551.17	2.46	-0.53	0.131
44.75	-15.12	-3.82	0.00	-322.34	0.00	322.34	3,037.33	1,518.66	4,358.22	2,152.36	2.46	-0.53	0.155
45.00	-15.08	-3.81	0.00	-321.39	0.00	321.39	3,035.24	1,517.62	4,350.67	2,148.63	2.49	-0.53	0.155
46.00	-14.93	-3.79	0.00	-317.58	0.00	317.58	3,026.89	1,513.44	4,320.50	2,133.73	2.60	-0.55	0.154
47.00	-14.78	-3.77	0.00	-313.78	0.00	313.78	3,018.50	1,509.25	4,290.37	2,118.85	2.72	-0.56	0.153
48.00	-14.62	-3.75	0.00	-310.01	0.00	310.01	3,010.08	1,505.04	4,260.30	2,104.00	2.83	-0.57	0.152

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

41 Iterations

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

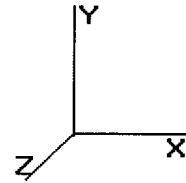
Wind Importance Factor : 1.00

49.00	-14.47	-3.73	0.00	-306.27	0.00	306.27	3,001.62	1,500.81	4,230.28	2,089.17	2.96	-0.59	0.151
50.00	-14.32	-3.71	0.00	-302.54	0.00	302.54	2,993.12	1,496.56	4,200.31	2,074.37	3.08	-0.60	0.151
51.00	-14.17	-3.68	0.00	-298.83	0.00	298.83	2,984.59	1,492.30	4,170.39	2,059.60	3.21	-0.62	0.150
52.00	-14.02	-3.66	0.00	-295.15	0.00	295.15	2,976.02	1,488.01	4,140.52	2,044.85	3.34	-0.63	0.149
53.00	-13.87	-3.64	0.00	-291.48	0.00	291.48	2,967.42	1,483.71	4,110.71	2,030.13	3.47	-0.64	0.148
54.00	-13.72	-3.62	0.00	-287.84	0.00	287.84	2,958.79	1,479.39	4,080.96	2,015.43	3.61	-0.66	0.147
55.00	-13.57	-3.60	0.00	-284.22	0.00	284.22	2,950.11	1,475.06	4,051.26	2,000.76	3.75	-0.67	0.147
56.00	-13.42	-3.58	0.00	-280.62	0.00	280.62	2,941.41	1,470.70	4,021.62	1,986.12	3.89	-0.69	0.146
57.00	-13.28	-3.55	0.00	-277.05	0.00	277.05	2,932.66	1,466.33	3,992.03	1,971.51	4.03	-0.70	0.145
58.00	-13.13	-3.53	0.00	-273.49	0.00	273.49	2,923.89	1,461.94	3,962.50	1,956.93	4.18	-0.71	0.144
59.00	-12.98	-3.51	0.00	-269.96	0.00	269.96	2,915.07	1,457.54	3,933.03	1,942.37	4.33	-0.73	0.143
60.00	-12.84	-3.49	0.00	-266.45	0.00	266.45	2,906.28	1,453.14	3,903.69	1,927.89	4.49	-0.74	0.143
61.00	-12.69	-3.47	0.00	-262.96	0.00	262.96	2,897.42	1,446.71	3,869.02	1,910.76	4.64	-0.76	0.142
62.00	-12.55	-3.44	0.00	-259.50	0.00	259.50	2,888.56	1,440.28	3,834.50	1,893.71	4.80	-0.77	0.141
63.00	-12.41	-3.42	0.00	-256.06	0.00	256.06	2,867.69	1,433.85	3,800.13	1,876.74	4.97	-0.78	0.141
64.00	-12.26	-3.40	0.00	-252.63	0.00	252.63	2,854.83	1,427.41	3,765.92	1,859.84	5.13	-0.80	0.140
65.00	-12.12	-3.38	0.00	-249.24	0.00	249.24	2,841.96	1,420.98	3,731.86	1,843.02	5.30	-0.81	0.140
66.00	-11.98	-3.35	0.00	-245.86	0.00	245.86	2,829.10	1,414.55	3,697.96	1,826.28	5.47	-0.83	0.139
67.00	-11.84	-3.33	0.00	-242.51	0.00	242.51	2,816.24	1,408.12	3,664.21	1,809.61	5.65	-0.84	0.138
68.00	-11.70	-3.31	0.00	-239.18	0.00	239.18	2,803.37	1,401.69	3,630.61	1,793.02	5.82	-0.85	0.138
69.00	-11.56	-3.29	0.00	-235.87	0.00	235.87	2,790.51	1,395.25	3,597.18	1,776.51	6.00	-0.87	0.137
70.00	-11.42	-3.26	0.00	-232.58	0.00	232.58	2,777.64	1,388.82	3,563.89	1,760.07	6.19	-0.88	0.136
71.00	-11.28	-3.24	0.00	-229.32	0.00	229.32	2,764.78	1,382.39	3,530.76	1,743.71	6.37	-0.90	0.136
72.00	-11.14	-3.22	0.00	-226.08	0.00	226.08	2,751.92	1,375.96	3,497.79	1,727.43	6.56	-0.91	0.135
73.00	-11.00	-3.19	0.00	-222.87	0.00	222.87	2,739.05	1,369.53	3,464.97	1,711.22	6.75	-0.92	0.134
74.00	-10.86	-3.17	0.00	-219.67	0.00	219.67	2,726.19	1,363.09	3,432.30	1,695.08	6.95	-0.94	0.134
75.00	-10.73	-3.15	0.00	-216.50	0.00	216.50	2,713.32	1,356.66	3,399.79	1,679.03	7.15	-0.95	0.133
76.00	-10.59	-3.12	0.00	-213.35	0.00	213.35	2,700.46	1,350.23	3,367.44	1,663.05	7.35	-0.97	0.132
77.00	-10.46	-3.10	0.00	-210.23	0.00	210.23	2,687.60	1,343.80	3,335.24	1,647.15	7.55	-0.98	0.132
78.00	-10.32	-3.08	0.00	-207.13	0.00	207.13	2,674.73	1,337.37	3,303.19	1,631.32	7.76	-0.99	0.131
79.00	-10.19	-3.06	0.00	-204.05	0.00	204.05	2,661.87	1,330.93	3,271.30	1,615.57	7.97	-1.01	0.130
80.00	-10.05	-3.03	0.00	-200.99	0.00	200.99	2,649.00	1,324.50	3,239.56	1,599.90	8.18	-1.02	0.129
81.00	-9.92	-3.01	0.00	-197.96	0.00	197.96	2,636.14	1,318.07	3,207.98	1,584.30	8.40	-1.04	0.129
82.00	-9.79	-2.99	0.00	-194.95	0.00	194.95	2,623.28	1,311.64	3,176.55	1,568.78	8.61	-1.05	0.128
83.00	-9.66	-2.96	0.00	-191.97	0.00	191.97	2,610.41	1,305.21	3,145.28	1,553.33	8.84	-1.06	0.127
84.00	-9.53	-2.94	0.00	-189.00	0.00	189.00	2,597.55	1,298.77	3,114.16	1,537.97	9.06	-1.08	0.127
85.00	-9.40	-2.92	0.00	-186.06	0.00	186.06	2,584.68	1,292.34	3,083.20	1,522.68	9.29	-1.09	0.126
85.75	-9.30	-2.90	0.00	-183.88	0.00	183.88	2,575.04	1,287.52	3,060.08	1,511.26	9.46	-1.10	0.125
85.75	-9.30	-2.90	0.00	-183.88	0.00	183.88	1,544.73	772.37	1,851.60	914.44	9.46	-1.10	0.207
86.00	-9.28	-2.89	0.00	-183.15	0.00	183.15	1,543.70	771.85	1,848.04	912.68	9.52	-1.11	0.207
87.00	-9.19	-2.87	0.00	-180.26	0.00	180.26	1,539.55	769.77	1,833.81	905.65	9.75	-1.13	0.205
88.00	-9.10	-2.85	0.00	-177.39	0.00	177.39	1,535.36	767.68	1,819.59	898.63	9.99	-1.15	0.203
89.00	-9.01	-2.83	0.00	-174.54	0.00	174.54	1,531.13	765.57	1,805.38	891.61	10.23	-1.17	0.202
90.00	-8.92	-2.81	0.00	-171.71	0.00	171.71	1,526.87	763.44	1,791.17	884.59	10.48	-1.19	0.200
91.00	-8.83	-2.79	0.00	-168.90	0.00	168.90	1,522.58	761.29	1,776.98	877.58	10.73	-1.21	0.198
92.00	-8.74	-2.76	0.00	-166.11	0.00	166.11	1,518.25	759.12	1,762.79	870.58	10.98	-1.23	0.197
93.00	-8.65	-2.74	0.00	-163.35	0.00	163.35	1,513.88	756.94	1,748.62	863.58	11.24	-1.25	0.195
94.00	-8.56	-2.72	0.00	-160.61	0.00	160.61	1,509.48	754.74	1,734.46	856.59	11.51	-1.27	0.193
95.00	-8.48	-2.70	0.00	-157.89	0.00	157.89	1,505.04	752.52	1,720.31	849.60	11.78	-1.29	0.191
96.00	-8.39	-2.68	0.00	-155.19	0.00	155.19	1,500.57	750.29	1,706.18	842.62	12.05	-1.31	0.190
97.00	-8.30	-2.66	0.00	-152.51	0.00	152.51	1,496.06	748.03	1,692.06	835.64	12.32	-1.33	0.188
98.00	-8.22	-2.63	0.00	-149.85	0.00	149.85	1,491.52	745.76	1,677.95	828.68	12.61	-1.35	0.186
99.00	-8.13	-2.61	0.00	-147.22	0.00	147.22	1,486.94	743.47	1,663.86	821.72	12.89	-1.37	0.185
100.00	-8.05	-2.59	0.00	-144.60	0.00	144.60	1,482.33	741.16	1,649.78	814.77	13.18	-1.39	0.183
101.00	-7.96	-2.57	0.00	-142.01	0.00	142.01	1,477.68	738.84	1,635.72	807.82	13.47	-1.41	0.181
102.00	-7.88	-2.55	0.00	-139.44	0.00	139.44	1,473.00	736.50	1,621.68	800.89	13.77	-1.43	0.179
103.00	-7.80	-2.53	0.00	-136.89	0.00	136.89	1,468.28	734.14	1,607.66	793.96	14.07	-1.45	0.178

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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 Page : 56



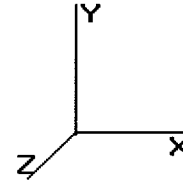
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Load Case: 1.0D + 1.0W		60.00 mph Serviceability							41 Iterations				
Gust Response Factor : 1.10							Wind Importance Factor : 1.00						
Dead Load Factor : 1.00													
Wind Load Factor : 1.00													
104.00	-7.71	-2.51	0.00	-134.37	0.00	134.37	1,463.52	731.76	1,593.65	787.04	14.38	-1.47	0.176
105.00	-7.63	-2.48	0.00	-131.86	0.00	131.86	1,458.73	729.37	1,579.66	780.14	14.69	-1.49	0.174
106.00	-7.55	-2.46	0.00	-129.38	0.00	129.38	1,453.91	726.95	1,565.69	773.24	15.00	-1.51	0.173
107.00	-7.46	-2.44	0.00	-126.92	0.00	126.92	1,449.04	724.52	1,551.74	766.35	15.32	-1.53	0.171
108.00	-7.38	-2.42	0.00	-124.48	0.00	124.48	1,444.15	722.07	1,537.82	759.47	15.65	-1.55	0.169
109.00	-7.30	-2.40	0.00	-122.06	0.00	122.06	1,439.21	719.61	1,523.91	752.60	15.97	-1.57	0.167
110.00	-7.22	-2.38	0.00	-119.66	0.00	119.66	1,434.25	717.12	1,510.03	745.75	16.30	-1.59	0.166
111.00	-7.14	-2.35	0.00	-117.28	0.00	117.28	1,429.24	714.62	1,496.17	738.90	16.64	-1.61	0.164
112.00	-7.06	-2.33	0.00	-114.93	0.00	114.93	1,424.21	712.10	1,482.33	732.07	16.98	-1.63	0.162
113.00	-6.98	-2.31	0.00	-112.60	0.00	112.60	1,419.13	709.57	1,468.51	725.24	17.32	-1.65	0.160
114.00	-6.90	-2.29	0.00	-110.29	0.00	110.29	1,414.02	707.01	1,454.73	718.43	17.67	-1.67	0.158
115.00	-6.82	-2.27	0.00	-108.00	0.00	108.00	1,408.88	704.44	1,440.96	711.64	18.02	-1.69	0.157
116.00	-6.74	-2.25	0.00	-105.73	0.00	105.73	1,403.70	701.85	1,427.22	704.85	18.38	-1.71	0.155
117.00	-6.67	-2.23	0.00	-103.48	0.00	103.48	1,398.48	699.24	1,413.51	698.08	18.74	-1.73	0.153
118.00	-6.59	-2.20	0.00	-101.26	0.00	101.26	1,393.23	696.62	1,399.83	691.32	19.10	-1.75	0.151
119.00	-6.51	-2.18	0.00	-99.05	0.00	99.05	1,387.95	693.97	1,386.17	684.58	19.47	-1.77	0.149
120.00	-6.43	-2.16	0.00	-96.87	0.00	96.87	1,382.63	691.31	1,372.54	677.85	19.84	-1.78	0.148
121.00	-6.36	-2.14	0.00	-94.71	0.00	94.71	1,377.27	688.64	1,358.94	671.13	20.22	-1.80	0.146
122.00	-6.28	-2.12	0.00	-92.57	0.00	92.57	1,371.88	685.94	1,345.37	664.43	20.60	-1.82	0.144
123.00	-6.21	-2.10	0.00	-90.45	0.00	90.45	1,366.45	683.23	1,331.83	657.74	20.98	-1.84	0.142
124.00	-6.13	-2.08	0.00	-88.35	0.00	88.35	1,360.99	680.49	1,318.33	651.07	21.37	-1.86	0.140
125.00	-6.06	-2.05	0.00	-86.28	0.00	86.28	1,355.49	677.74	1,304.85	644.42	21.76	-1.88	0.138
125.50	-6.02	-2.04	0.00	-85.25	0.00	85.25	1,352.73	676.36	1,298.12	641.09	21.95	-1.89	0.137
125.50	-6.02	-2.04	0.00	-85.25	0.00	85.25	1,127.00	563.50	1,084.41	535.55	21.95	-1.89	0.165
126.00	-5.99	-2.03	0.00	-84.23	0.00	84.23	1,124.94	562.47	1,079.04	532.90	22.15	-1.90	0.163
127.00	-5.92	-2.01	0.00	-82.20	0.00	82.20	1,120.78	560.39	1,068.31	527.60	22.55	-1.92	0.161
128.00	-5.85	-1.99	0.00	-80.18	0.00	80.18	1,116.59	558.29	1,057.61	522.31	22.96	-1.94	0.159
129.00	-5.79	-1.97	0.00	-78.19	0.00	78.19	1,112.36	556.18	1,046.91	517.03	23.36	-1.96	0.156
130.00	-5.72	-1.95	0.00	-76.22	0.00	76.22	1,108.10	554.05	1,036.24	511.76	23.78	-1.98	0.154
131.00	-5.66	-1.93	0.00	-74.27	0.00	74.27	1,103.80	551.90	1,025.58	506.50	24.19	-2.00	0.152
132.00	-5.60	-1.91	0.00	-72.34	0.00	72.34	1,099.47	549.73	1,014.94	501.24	24.61	-2.02	0.149
133.00	-5.53	-1.89	0.00	-70.42	0.00	70.42	1,095.10	547.55	1,004.33	496.00	25.04	-2.04	0.147
134.00	-5.47	-1.87	0.00	-68.53	0.00	68.53	1,090.69	545.35	993.73	490.77	25.47	-2.06	0.145
135.00	-5.40	-1.85	0.00	-66.66	0.00	66.66	1,086.26	543.13	983.15	485.54	25.90	-2.08	0.142
136.00	-5.34	-1.83	0.00	-64.81	0.00	64.81	1,081.78	540.89	972.60	480.33	26.34	-2.10	0.140
137.00	-5.28	-1.81	0.00	-62.98	0.00	62.98	1,077.27	538.64	962.07	475.13	26.78	-2.12	0.137
138.00	-5.22	-1.79	0.00	-61.18	0.00	61.18	1,072.73	536.36	951.56	469.94	27.23	-2.14	0.135
139.00	-5.16	-1.77	0.00	-59.39	0.00	59.39	1,068.14	534.07	941.07	464.76	27.68	-2.16	0.133
140.00	-5.09	-1.75	0.00	-57.62	0.00	57.62	1,063.53	531.76	930.61	459.59	28.13	-2.18	0.130
141.00	-5.03	-1.73	0.00	-55.87	0.00	55.87	1,058.88	529.44	920.17	454.44	28.59	-2.19	0.128
142.00	-4.97	-1.71	0.00	-54.14	0.00	54.14	1,054.19	527.09	909.76	449.30	29.05	-2.21	0.125
143.00	-4.91	-1.69	0.00	-52.43	0.00	52.43	1,049.47	524.73	899.37	444.17	29.52	-2.23	0.123
144.00	-4.85	-1.67	0.00	-50.74	0.00	50.74	1,044.71	522.35	889.01	439.05	29.99	-2.25	0.120
145.00	-4.79	-1.65	0.00	-49.07	0.00	49.07	1,039.92	519.96	878.68	433.95	30.46	-2.27	0.118
146.00	-4.73	-1.63	0.00	-47.42	0.00	47.42	1,035.09	517.54	868.38	428.86	30.94	-2.29	0.115
147.00	-4.67	-1.61	0.00	-45.80	0.00	45.80	1,030.22	515.11	858.10	423.79	31.42	-2.30	0.113
148.00	-4.62	-1.59	0.00	-44.19	0.00	44.19	1,025.32	512.66	847.86	418.72	31.90	-2.32	0.110
149.00	-4.56	-1.57	0.00	-42.60	0.00	42.60	1,020.39	510.19	837.64	413.68	32.39	-2.34	0.107
150.00	-4.50	-1.55	0.00	-41.03	0.00	41.03	1,015.42	507.71	827.46	408.65	32.88	-2.35	0.105
151.00	-4.44	-1.53	0.00	-39.47	0.00	39.47	1,010.41	505.21	817.30	403.63	33.37	-2.37	0.102
152.00	-4.38	-1.51	0.00	-37.94	0.00	37.94	1,005.37	502.69	807.18	398.64	33.87	-2.39	0.100
153.00	-4.33	-1.49	0.00	-36.43	0.00	36.43	1,000.30	500.15	797.09	393.65	34.37	-2.40	0.097
154.00	-4.27	-1.47	0.00	-34.94	0.00	34.94	995.19	497.59	787.03	388.69	34.88	-2.42	0.094
155.00	-4.22	-1.45	0.00	-33.47	0.00	33.47	990.04	495.02	777.01	383.74	35.39	-2.43	0.091
156.00	-4.16	-1.43	0.00	-32.01	0.00	32.01	983.06	491.53	765.62	378.11	35.90	-2.45	0.089
157.00	-4.10	-1.42	0.00	-30.58	0.00	30.58	975.56	487.78	753.91	372.33	36.41	-2.46	0.086
158.00	-4.05	-1.40	0.00	-29.16	0.00	29.16	968.05	484.03	742.29	366.59	36.93	-2.48	0.084

Pole : 302496
 Location : Clch - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

41 Iterations

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

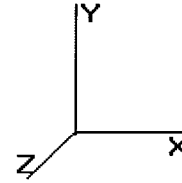
Wind Importance Factor : 1.00

159.00	-4.00	-1.38	0.00	-27.77	0.00	27.77	960.55	480.27	730.76	360.90	37.45	-2.49	0.081
160.00	-3.94	-1.36	0.00	-26.39	0.00	26.39	953.04	476.52	719.32	355.25	37.97	-2.50	0.078
161.00	-3.89	-1.34	0.00	-25.03	0.00	25.03	945.54	472.77	707.97	349.64	38.50	-2.52	0.076
162.00	-3.83	-1.32	0.00	-23.69	0.00	23.69	938.04	469.02	696.71	344.08	39.02	-2.53	0.073
163.00	-3.78	-1.30	0.00	-22.37	0.00	22.37	930.53	465.27	685.54	338.56	39.56	-2.54	0.070
164.00	-3.73	-1.28	0.00	-21.07	0.00	21.07	923.03	461.51	674.47	333.09	40.09	-2.55	0.067
165.00	-3.68	-1.26	0.00	-19.78	0.00	19.78	915.52	457.76	663.48	327.67	40.63	-2.57	0.064
166.00	-3.62	-1.25	0.00	-18.52	0.00	18.52	908.02	454.01	652.58	322.29	41.16	-2.58	0.061
167.00	-3.57	-1.23	0.00	-17.27	0.00	17.27	900.52	450.26	641.77	316.95	41.70	-2.59	0.058
168.00	-3.52	-1.21	0.00	-16.05	0.00	16.05	893.01	446.51	631.06	311.65	42.25	-2.60	0.055
169.00	-3.47	-1.19	0.00	-14.84	0.00	14.84	885.51	442.75	620.43	306.41	42.79	-2.61	0.052
170.00	-3.42	-1.17	0.00	-13.64	0.00	13.64	878.00	439.00	609.89	301.20	43.34	-2.62	0.049
171.00	-3.37	-1.16	0.00	-12.47	0.00	12.47	870.50	435.25	599.45	296.04	43.89	-2.62	0.046
172.00	-3.32	-1.14	0.00	-11.32	0.00	11.32	863.00	431.50	589.09	290.93	44.44	-2.63	0.043
173.00	-3.27	-1.12	0.00	-10.18	0.00	10.18	855.49	427.75	578.82	285.86	44.99	-2.64	0.039
174.00	-3.22	-1.10	0.00	-9.06	0.00	9.06	847.99	423.99	568.65	280.83	45.54	-2.65	0.036
175.00	-3.17	-1.08	0.00	-7.96	0.00	7.96	840.48	420.24	558.56	275.85	46.10	-2.65	0.033
176.00	-3.12	-1.07	0.00	-6.88	0.00	6.88	832.98	416.49	548.57	270.92	46.65	-2.66	0.029
177.00	-3.07	-1.05	0.00	-5.81	0.00	5.81	825.48	412.74	538.66	266.02	47.21	-2.66	0.026
178.00	-3.03	-1.03	0.00	-4.76	0.00	4.76	817.97	408.99	528.85	261.18	47.77	-2.67	0.022
179.00	-2.98	-1.01	0.00	-3.73	0.00	3.73	810.47	405.23	519.12	256.38	48.33	-2.67	0.018
180.00	-0.02	-0.01	0.00	-0.01	0.00	0.01	802.96	401.48	509.49	251.62	48.89	-2.67	0.000
180.58	0.00	-0.01	0.00	0.00	0.00	0.00	798.59	399.29	503.91	248.86	49.22	-2.67	0.000

Pole : 302496
 Location : Clich - Colchester, CT
 Height : 180.5 (ft)
 Base Dia : 41.70 (in)
 Top Dia : 15.60 (in)
 Shape : 12 Sides
 Taper : 0.144532 (in/ft)

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

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Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	23.04	0.00	28.53	0.00	0.00	2534.58	85.75	1.00
0.9D + 1.6W	23.04	0.00	21.40	0.00	0.00	2490.11	85.75	0.97
1.2D + 1.0Di + 1.0Wi	4.45	0.00	43.30	0.00	0.00	538.63	85.75	0.24
1.0D + 1.0W	4.70	0.00	23.79	0.00	0.00	513.62	85.75	0.21

Base/Flange Plate	Plate Type	Baseplate
	Pole Diameter	41.7 in
	Pole Thickness	in
	Plate Diameter	53.7 in
	Plate Thickness	2.5 in
	Plate Fy	36 ksi
	Weld Length	0.5 in
	ϕ_s Resistance	429.22 k-in
	Applied	332.08 k-in
Stiffeners	#	0

Code Rev. **G**

Date **9/18/12**
 Engineer **ZAM**
 Site # **302496**
 Carrier **AT&T Mobility**

Moment **2534.6 k-ft**
 Axial **28.5 k**

Bolts	#	12
	Bolt Circle	48.2 in
	(R)adial / (S)quare	R
	Diameter	2.25 in
	Hole Diameter	2.375 in
	Type	#18J
	Fy	75 ksi
	Fu	100 ksi
	ϕ_s Resistance	259.82 k
Applied	212.53 k	
Reinforcement	#	0
	Extra Bolts	0

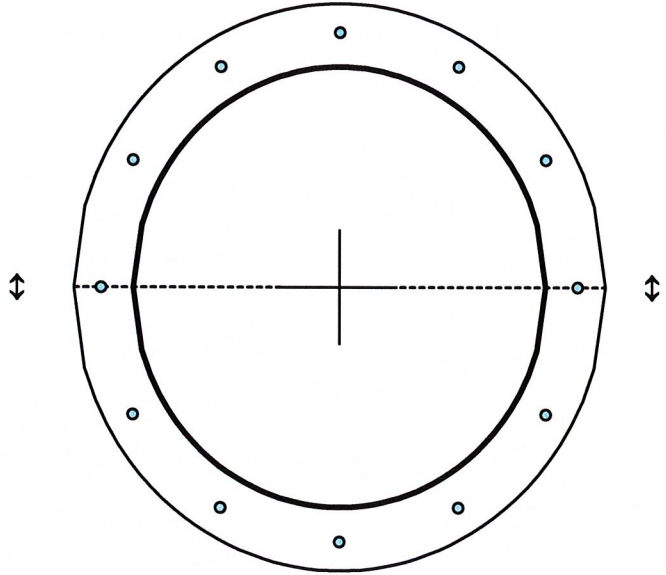


Plate Stress Ratio:
0.77 (Pass)

Bolt Stress Ratio:
0.82 (Pass)

BOLT CALCS

Bolt Areas:

$$A_D = \pi * \Phi_{AB}^2 / 4 = \mathbf{3.98 \text{ in}^2}$$

$$A_E = 0.7854 * (\Phi_{AB} - 0.9743 / n)^2 = \mathbf{3.25 \text{ in}^2}$$

$$\text{USED} = \mathbf{3.25 \text{ in}^2}$$

ASD, 9th Edition, Threaded Fasteners, p. 4-147

Corresponding to maximum capacity below

Rev F Bolt Capacity:

$$\text{A.S.I.} * 0.6 * f_y * A_E = \mathbf{146.15 \text{ k}}$$

[EQN. 1] Considering Yield Strength & Effective Area

$$\text{A.S.I.} * 0.33 * f_u * A_D = \mathbf{131.21 \text{ k}}$$

[EQN. 2] Considering Ultimate Strength & Gross Area

$$\text{MAX} = \mathbf{146.15 \text{ k}}$$

Rev G Bolt Capacity:

$$\{0.75, 0.8\} * f_u * A_E = \mathbf{259.82 \text{ k}}$$

PLATE CALCS

Flange Moment Arm (a_f) =	$\text{ABS}(\text{B.C.} - \text{OD}_{\text{pipe}}/2 - L_{\text{weld}} - D_{\text{hole}}/2 - \text{IF}(\text{internal}); t_{\text{pole}}$	=	1.56 in
Flange L_{crit} [Radial] 1 =	$\pi * \text{MIN}(\text{OD}_{\text{pipe}}, \text{B.C.}) / \#_{\text{bolts}}$	=	10.92 in
Flange L_{crit} [Radial] 2 =	$(2 * a_f + D_{\text{hole}}) * \tan(60^\circ)$	=	9.53 in
Flange L_{crit} [Square] 1 =	$\sqrt{2} * \text{OD}_{\text{flange}} - \text{OD}_{\text{pipe}} - 2 * L_{\text{weld}}$	=	33.24 in
Flange L_{crit} [Square] 2 =	$(2 * a_f + D_{\text{hole}}) * \tan(60^\circ) + L_{\text{gap}} * (\#_{\text{bolts}}/4 - 1)$	=	21.53 in
Flange L_{crit} [Actual] =	Minimum result from applicable equations above	=	9.53 in
S [F] =	$L_{\text{crit}} * t_{\text{flange}}^2 / 6$	=	9.92 in³
S [G] =	$L_{\text{crit}} * t_{\text{flange}}^2 / 4$	=	14.88 in³
M_{flange} [F] =	$\text{A.S.I.} * 0.75 * S * F_y_{\text{flange}}$	=	267.93 k-in
M_{flange} [G] =	$0.801 * S * F_y_{\text{flange}}$	=	429.22 k-in
Total Moment Capacity =	$M_{\text{flange}} + M_{\text{gusset}}$ (if applicable)	=	429.22 k-in
Moment Applied [Radial] =	$T_{\text{bolt}} * a_f$	=	332.08 k-in
Moment Applied [Square] =	$T_{\text{bolt}} * a_f * \#_{\text{bolts}} / 4$	=	996.23 k-in
Moment Applied [Actual] =	Result from applicable equation above	=	332.08 k-in

TOTAL MoI for all members
11327.82 in ⁴

$$MoI = A^2 / (4 \cdot \pi) + arm^2 \cdot A$$

$$Load = Axial / \#_{bolts} + Moment \cdot arm \cdot A / MoI_{total}$$

Member #	Bolts					
	Angle (rads)	X (in)	Moment Arm (in)	I (in ⁴)	Load (kips)	Stress Ratio
1	0.00	24.10	0.00	0.84	2.38	0.01
2	0.52	20.87	12.05	472.41	107.45	0.41
3	1.05	12.05	20.87	1415.56	184.37	0.71
4	1.57	0.00	24.10	1887.13	212.53	0.82
5	2.09	-12.05	20.87	1415.56	184.37	0.71
6	2.62	-20.87	12.05	472.41	107.45	0.41
7	3.14	-24.10	0.00	0.84	2.38	0.01
8	3.67	-20.87	-12.05	472.41	107.45	0.41
9	4.19	-12.05	-20.87	1415.56	184.37	0.71
10	4.71	0.00	-24.10	1887.13	212.53	0.82
11	5.24	12.05	-20.87	1415.56	184.37	0.71
12	5.76	20.87	-12.05	472.41	107.45	0.41

Base/Flange Plate	Plate Type	Flange @ 125.5 ft
	Pole Diameter	23.561 in
	Pole Thickness	in
	Plate Diameter	29.6 in
	Plate Thickness	1.25 in
	Plate Fy	36 ksi
	Weld Length	0.5 in
	ϕ_s Resistance	46.32 k-in
	Applied	38.59 k-in
	Stiffeners	#

Code Rev. **G**

Date **9/18/12**
 Engineer **ZAM**
 Site # **302496**
 Carrier **AT&T Mobility**

Moment **420.9 k-ft**
 Axial **5.7 k**

Required Flange Thickness:
1.08 in OK

Bolts	#	18
	Bolt Circle	27.6 in
	(R)adial / (S)quare	R
	Diameter	1 in
	Hole Diameter	1.125 in
	Type	A325
	Fy	92 ksi
	Fu	120 ksi
	ϕ_s Resistance	54.52 k
	Applied	40.32 k
Reinforcement	#	0
Extra Bolts	#	0

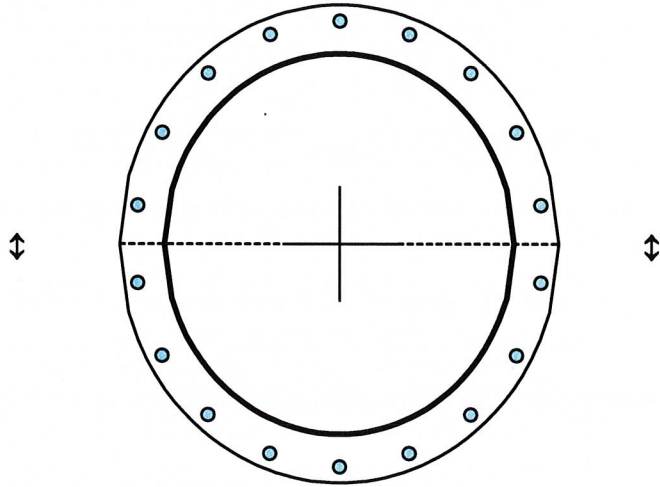


Plate Stress Ratio:
0.83 (Pass)

Bolt Stress Ratio:
0.74 (Pass)

BOLT CALCS

Bolt Areas:

$$A_D = \pi * \Phi_{AB}^2 / 4 = \mathbf{0.79 \text{ in}^2}$$

$$A_E = 0.7854 * (\Phi_{AB} - 0.9743 / n)^2 = \mathbf{0.61 \text{ in}^2}$$

$$\text{USED} = \mathbf{0.61 \text{ in}^2}$$

ASD, 9th Edition, Threaded Fasteners, p. 4-147

Corresponding to maximum capacity below

Rev F Bolt Capacity:

$$\text{A.S.I.} * 0.6 * f_y * A_E = \mathbf{33.44 \text{ k}}$$

[EQN. 1] Considering Yield Strength & Effective Area

$$\text{A.S.I.} * 0.33 * f_u * A_D = \mathbf{34.56 \text{ k}}$$

[EQN. 2] Considering Ultimate Strength & Gross Area

$$\text{MAX} = \mathbf{34.56 \text{ k}}$$

Rev G Bolt Capacity:

$$\{0.75, 0.8\} * f_u * A_E = \mathbf{54.52 \text{ k}}$$

PLATE CALCS

Flange Moment Arm (a_f) =	$\text{ABS}(\text{B.C.} - \text{OD}_{\text{pipe}}) / 2 - L_{\text{weld}} - D_{\text{hole}} / 2 - \text{IF}(\text{internal}):t_{\text{pole}}$	=	0.96 in
Flange L_{crit} [Radial] 1 =	$\pi * \text{MIN}(\text{OD}_{\text{pipe}}, \text{B.C.}) / \#_{\text{bolts}}$	=	4.11 in
Flange L_{crit} [Radial] 2 =	$(2 * a_f + D_{\text{hole}}) * \tan(60^\circ)$	=	5.26 in
Flange L_{crit} [Square] 1 =	$\sqrt{2} * \text{OD}_{\text{flange}} - \text{OD}_{\text{pipe}} - 2 * L_{\text{weld}}$	=	17.30 in
Flange L_{crit} [Square] 2 =	$(2 * a_f + D_{\text{hole}}) * \tan(60^\circ) + L_{\text{gap}} * (\#_{\text{bolts}} / 4 - 1)$	=	26.26 in
Flange L_{crit} [Actual] =	Minimum result from applicable equations above	=	4.11 in
S [F] =	$L_{\text{crit}} * t_{\text{flange}}^2 / 6$	=	1.07 in³
S [G] =	$L_{\text{crit}} * t_{\text{flange}}^2 / 4$	=	1.61 in³
M_{flange} [F] =	$\text{A.S.I.} * 0.75 * S * F_{y \text{ flange}}$	=	28.91 k-in
M_{flange} [G] =	$0.801 * S * F_{y \text{ flange}}$	=	46.32 k-in
Total Moment Capacity =	$M_{\text{flange}} + M_{\text{gusset}}$ (if applicable)	=	46.32 k-in
Moment Applied [Radial] =	$T_{\text{bolt}} * a_f$	=	38.59 k-in
Moment Applied [Square] =	$T_{\text{bolt}} * a_f * \#_{\text{bolts}} / 4$	=	173.65 k-in
Moment Applied [Actual] =	Result from applicable equation above	=	38.59 k-in

TOTAL MoI for all members
1038.75 in ⁴

$$MoI = A^2 / (4 \cdot \pi) + arm^2 \cdot A$$

$$Load = Axial / \#_{bolts} + Moment \cdot arm \cdot A / MoI_{total}$$

Member #	Bolts					
	Angle (rads)	X (in)	Moment Arm (in)	I (in ⁴)	Load (kips)	Stress Ratio
1	0.17	13.59	2.40	3.51	6.74	0.12
2	0.52	11.95	6.90	28.87	20.00	0.37
3	0.87	8.87	10.57	67.72	30.81	0.57
4	1.22	4.72	12.97	101.89	37.87	0.69
5	1.57	0.00	13.80	115.39	40.32	0.74
6	1.92	-4.72	12.97	101.89	37.87	0.69
7	2.27	-8.87	10.57	67.72	30.81	0.57
8	2.62	-11.95	6.90	28.87	20.00	0.37
9	2.97	-13.59	2.40	3.51	6.74	0.12
10	3.32	-13.59	-2.40	3.51	6.74	0.12
11	3.67	-11.95	-6.90	28.87	20.00	0.37
12	4.01	-8.87	-10.57	67.72	30.81	0.57
13	4.36	-4.72	-12.97	101.89	37.87	0.69
14	4.71	0.00	-13.80	115.39	40.32	0.74
15	5.06	4.72	-12.97	101.89	37.87	0.69
16	5.41	8.87	-10.57	67.72	30.81	0.57
17	5.76	11.95	-6.90	28.87	20.00	0.37
18	6.11	13.59	-2.40	3.51	6.74	0.12

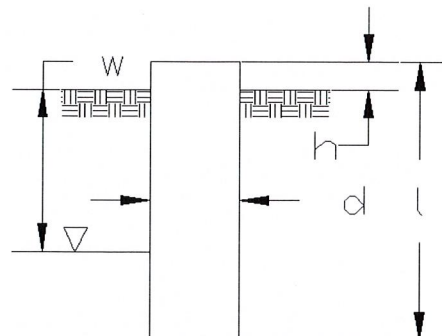
Site Name: Clch - Colchester, CT
 Site Number: 302496
 Engineer: Z. Medoff
 Engineering Number: 50406621
 Date: 09/18/12

Program Last 5/26/10
 American Tower Corporation

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

Analyze or Design a Foundation? Analyze
 Foundation Mapped: Y
 Moment (M): 2534.6 k-ft
 Shear/Leg (V): 23.0 k
 Axial Load (P): 28.5 k
 Uplift/Leg (U): k
 Tower Type (GT / SST / MP): MP

Diameter of Caisson (d): 6.0 ft
 Caisson Embedment (L-h): 33.25 ft
 Caisson Height Above Ground (h): 0.75 ft
 Depth Below Ground Surface to Water Table (w): 12.0 ft
 Unit Weight of Concrete: 150.0 pcf
 Unit Weight of Water: 62.4 pcf
 Tension Skin Friction/Compression Skin Friction: 1.00
 Pullout Angle: 30.0 degrees



Engineer Notes

Soil Mechanical Properties

Depth (ft)		γ_{soil}	Cohesion	ϕ	Ultimate Skin	Ultimate Bearing
Top	Bottom	(pcf)	(psf)	(degree)	Friction (psf)	Pressure (psf)
0.0	3.0	115	0	0		
3.0	13.0	115	0	36		
13.0	23.0	115	0	36		
23.0	34.3	115	0	36		12000

Volume of Concrete: 961.3 ft³ = 35.6 yd³
 Weight of Concrete (Buoyancy Effect Considered): 106.7 k
 Average Soil Unit Weight: 75.1 pcf
 Skin Friction Resistance: 0.0 k
 Compressive Bearing Resistance: 339.3 k
 Pullout Weight (Minus Concrete Weight): 1415.8 k
 Nominal Uplift Capacity per Leg ($\phi_s T_n$): 80.0 k
 Nominal Compressive Capacity per Leg ($\phi_s P_n$): 254.5 k
 P_u : 68.0 k
 $T_u / \phi_s T_n$: 0.00 Result: OK
 $P_u / \phi_s P_n$: 0.27 Result: OK
 Total Lateral Resistance: 2920.3 k
 Inflection Point (Below Ground Surface): 22.2 ft
 Design Overturning Moment At Inflection Point (M_o): 3062.5 k-ft
 Nominal Moment Capacity ($\phi_s M_n$): 14629.3 k-ft
 $M_o / \phi_s M_n$: 0.21 Result: OK
 ϕ_s : 0.75

PROJECT INFORMATION

SCOPE OF WORK: TELECOMMUNICATIONS FACILITY UPGRADE (LTE):
 1. INSTALL (3) NEW LTE ANTENNAS, (6) RRH'S, (1) SURGE ARRESTOR, (1) FIBER LINE, (2) DC POWER LINES & (1) GPS ANTENNA
 2. INSTALL (1) LTE 6601 CABINET

SITE ADDRESS: CHESTNUT HILL ROAD
 COLCHESTER, CT 06415

LATITUDE: 41.56894 N 41° 34' 08.2" N
 LONGITUDE: 72.30367 W 72° 18' 13.2" W

CURRENT USE: TELECOMMUNICATIONS FACILITY
 PROPOSED USE: TELECOMMUNICATIONS FACILITY



SITE NUMBER: CT2046
SITE NAME: COLCHESTER

DRAWING INDEX

REV

VICINITY MAP

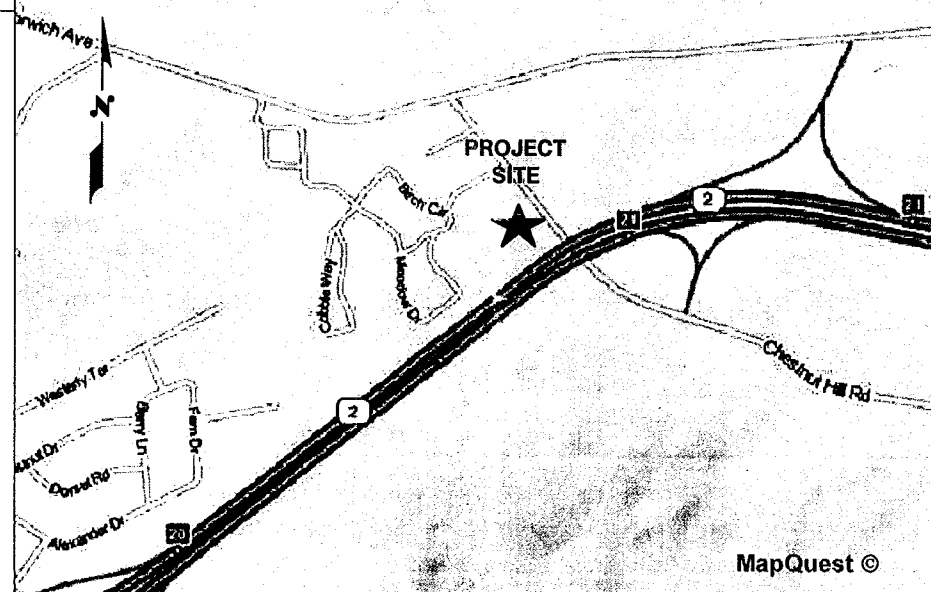
GENERAL NOTES

- T-1 TITLE SHEET
- GN-1 GENERAL NOTES
- A-1 COMPOUND AND EQUIPMENT PLAN
- A-2 ELEVATION AND ANTENNA PLAN
- A-3 DETAILS
- G-1 PLUMBING DIAGRAM & GROUNDING DETAILS

- 1
- 1
- 1
- 1
- 1
- 1

DIRECTIONS TO SITE:
 START OUT GOING NORTHEAST ON ENTERPRISE DR TOWARD CAPITOL BLVD. TURN LEFT ONTO CAPITOL BLVD. TURN LEFT ONTO WEST ST. MERGE ONTO I-91 N VIA THE RAMP ON THE LEFT TOWARD HARTFORD 4.5 MILES. MERGE ONTO CT-3 N VIA EXIT 25 TOWARD GLASTONBURY. MERGE ONTO CT-2 E TOWARD NORWICH 21.8 MILES. TAKE THE CHESTNUT HILL ROAD EXIT, EXIT 21. CHESTNUT HILL RD WILL BE ON THE RIGHT.

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE WITHOUT EXPRESS WRITTEN CONSENT IS STRICTLY PROHIBITED. DUPLICATION AND USE BY GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSED BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITARY SEWER SERVICE. THE FACILITY IS NOT GOVERNED BY REGULATIONS REQUIRING PUBLIC ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



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 N. ANDOVER, MA 01845
 TEL: (978) 557-5553
 FAX: (978) 336-5586

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 800 MARSHALL PHELPS ROAD UNIT#: 2A
 WINDSOR, CT 06095

SITE NUMBER: CT2046
SITE NAME: COLCHESTER
 CHESTNUT HILL ROAD
 COLCHESTER, CT 06415
 NEW LONDON COUNTY

500 ENTERPRISE DRIVE, SUITE 3A
 ROCKY HILL, CT 06067

				AT&T	
				TITLE SHEET (LTE)	
NO.	DATE	REVISIONS	BY	CHK APP'D	REV
1	10/05/12	ISSUED FOR CONSTRUCTION	CM	DC/DPH	
0	08/02/12	ISSUED FOR REVIEW	RM	ZDC/DPH	
SCALE: AS SHOWN			DESIGNED BY: DC	DRAWN BY: RM	
			JOB NUMBER	DRAWING NUMBER	
			2046.01	T-1	1

GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTING PROTECTION CODE, AND GENERAL COMPLIANCE WITH TELCORDIA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.
2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GES'S) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.
3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.
4. METAL RACEWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT GROUND CONDUCTOR. STRANDED COPPER CONDUCTORS WITH GREEN INSULATION, SIZED IN ACCORDANCE WITH THE NEC, SHALL BE FURNISHED AND INSTALLED WITH THE POWER CIRCUITS TO BTS EQUIPMENT.
5. EACH BTS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR BTS 2 AWG STRANDED COPPER FOR OUTDOOR BTS.
6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.
7. APPROVED ANTIOXIDANT COATINGS (I.E., CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.
8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.
9. ALUMINUM CONDUCTOR OR COPPER CLAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.
10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.
11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWS COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.
12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE 1/2" OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
 CONTRACTOR - NEXLINK
 SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
 OWNER - AT&T MOBILITY
 2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VISIT THE CELL SITE TO FAMILIARIZE WITH THE EXISTING CONDITIONS AND TO CONFIRM THAT THE WORK CAN BE ACCOMPLISHED AS SHOWN ON THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.
 3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL COMPLY WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
 4. DRAWINGS PROVIDED HERE ARE NOT TO BE SCALED AND ARE INTENDED TO SHOW OUTLINE ONLY.
 5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.
 6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.
 7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.
 8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.
 9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT, POWER AND T1 CABLES, GROUNDING CABLES AS SHOWN ON THE POWER, GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.
 10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.
 11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.
 12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.
 13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
 14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.
 15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (Fy = 36 ksi) UNLESS OTHERWISE NOTED. PIPES SHALL BE ASTM A53 TYPE E (Fy = 36 ksi). ALL STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED. TOUCHUP ALL SCRATCHES AND OTHER MARKS IN THE FIELD AFTER STEEL IS ERECTED USING A COMPATIBLE ZINC RICH PAINT.
 16. CONSTRUCTION SHALL COMPLY WITH UMS SPECIFICATIONS AND "GENERAL CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T MOBILITY SITES."
 17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS MUST BE VERIFIED. SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
 18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.
 19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC RADIATION. EQUIPMENT SHOULD BE SHUTDOWN PRIOR TO PERFORMING ANY WORK THAT COULD EXPOSE THE WORKERS TO DANGER. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.
 20. APPLICABLE BUILDING CODES:
 SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.
 BUILDING CODE: 2003 IBC WITH 2005 CT SUPPLEMENT & 2009 CT AMENDMENTS
 ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
 LIGHTENING CODE: REFER TO ELECTRICAL DRAWINGS
- SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
- AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
 - MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION;
 - TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F, STRUCTURAL STANDARDS FOR STEEL
 - ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.
- FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	G.C.	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
AWG	AMERICAN WIRE GAUGE	MGB	MASTER GROUND BUS		
BCW	BARE COPPER WIRE	MIN	MINIMUM	TBD	TO BE DETERMINED
BTS	BASE TRANSCEIVER STATION	PROPOSED	NEW	TBR	TO BE REMOVED
EXISTING	EXISTING	REF	REFERENCE	TBRR	TO BE REMOVED AND REPLACED
EG	EQUIPMENT GROUND	REQ	REQUIRED	TYP	TYPICAL

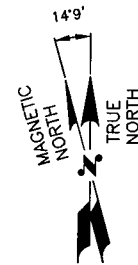
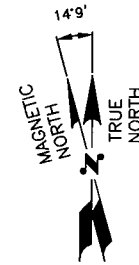
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 NEW LONDON COUNTY

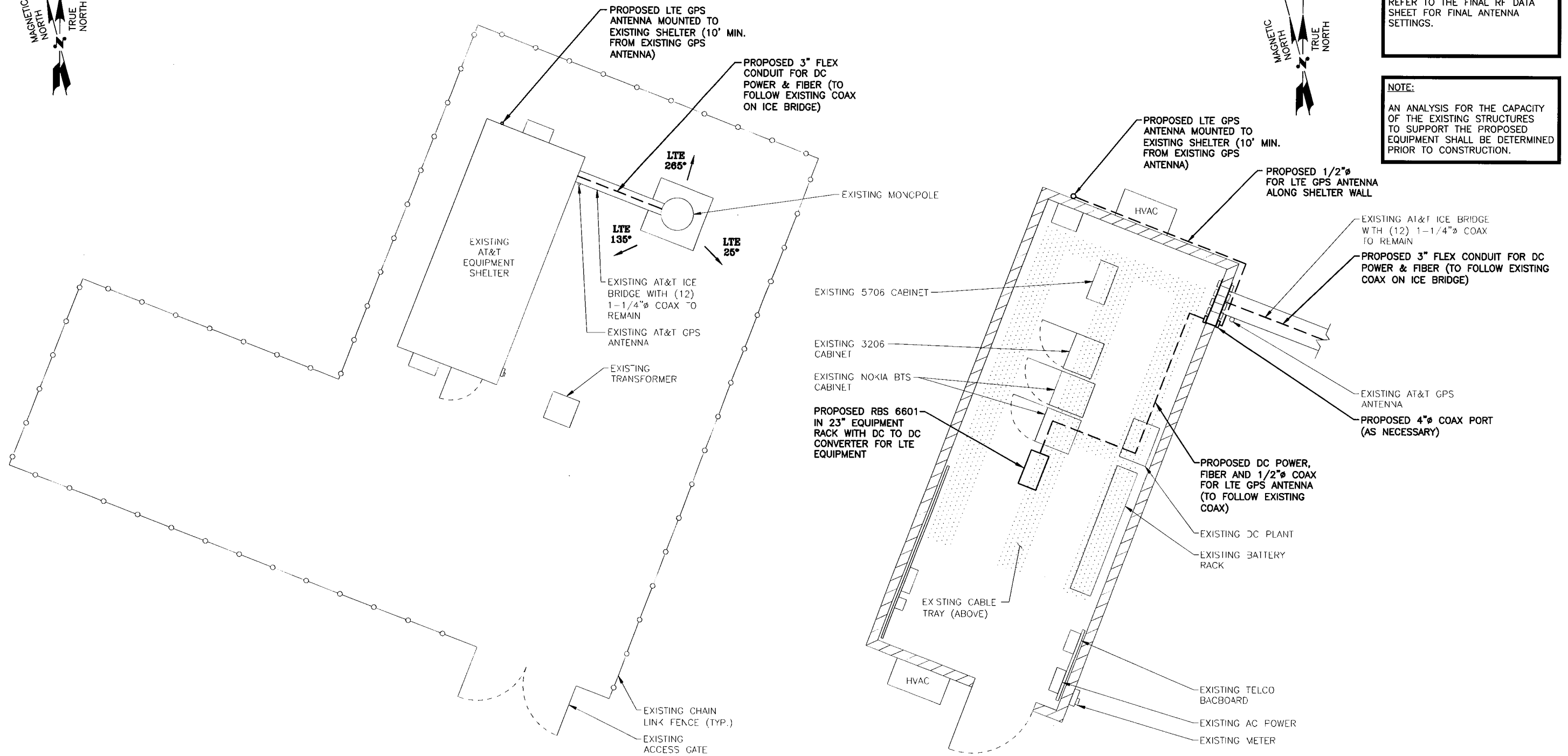
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 ROCKY HILL, CT 06067

1 10/05/12 ISSUED FOR CONSTRUCTION		CM	DC	DPH		AT&T
0 08/02/12 ISSUED FOR REVIEW		RM	DC	DPH		GENERAL NOTES (LTE)
NO.	DATE	REVISIONS		BY	CHK APP'D	
SCALE: AS SHOWN		DESIGNED BY: DC	DRAWN BY: RM		JOB NUMBER: 2046.01	DRAWING NUMBER: GN-1
						1



NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.



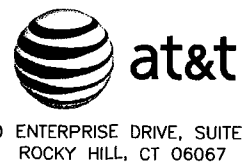
COMPOUND PLAN
SCALE: 3/16" = 1'-0"



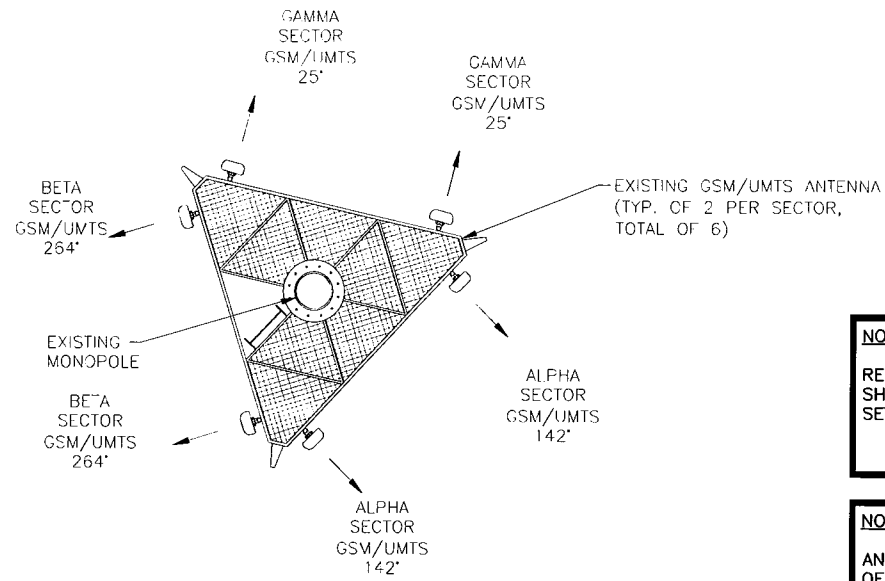
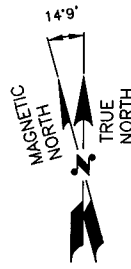
EQUIPMENT PLAN
SCALE: 3/8" = 1'-0"



SITE NUMBER: CT2046
SITE NAME: COLCHESTER
CHESTNUT HILL ROAD
COLCHESTER, CT 06415
NEW LONDON COUNTY



				AT&T	
				COMPOUND AND EQUIPMENT PLAN (LTE)	
NO.	DATE	REVISIONS	BY	CHK	APP'D
1	10/05/12	ISSUED FOR CONSTRUCTION	CM	DC	DPH
0	08/02/12	ISSUED FOR REVIEW	RM	DC	DPH
SCALE: AS SHOWN			DESIGNED BY: DC	DRAWN BY: RM	
			JOB NUMBER	DRAWING NUMBER	REV
			2046.01	A-1	1

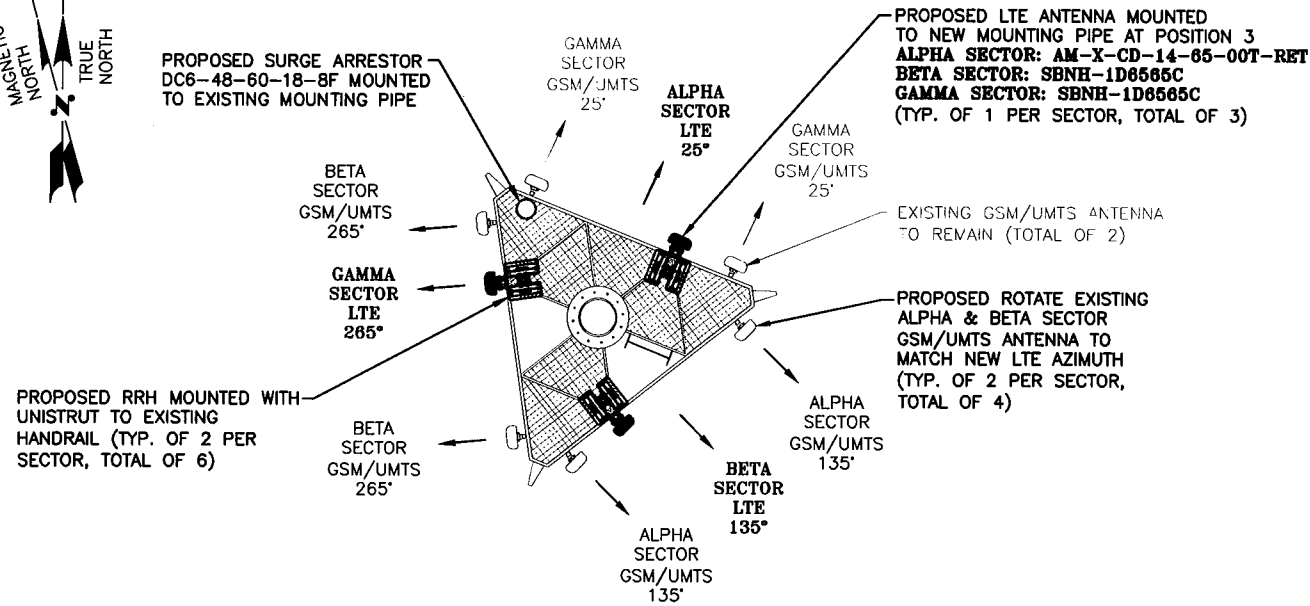
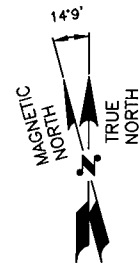


EXISTING GSM/UMTS ANTENNA PLAN

SCALE: N.T.S.

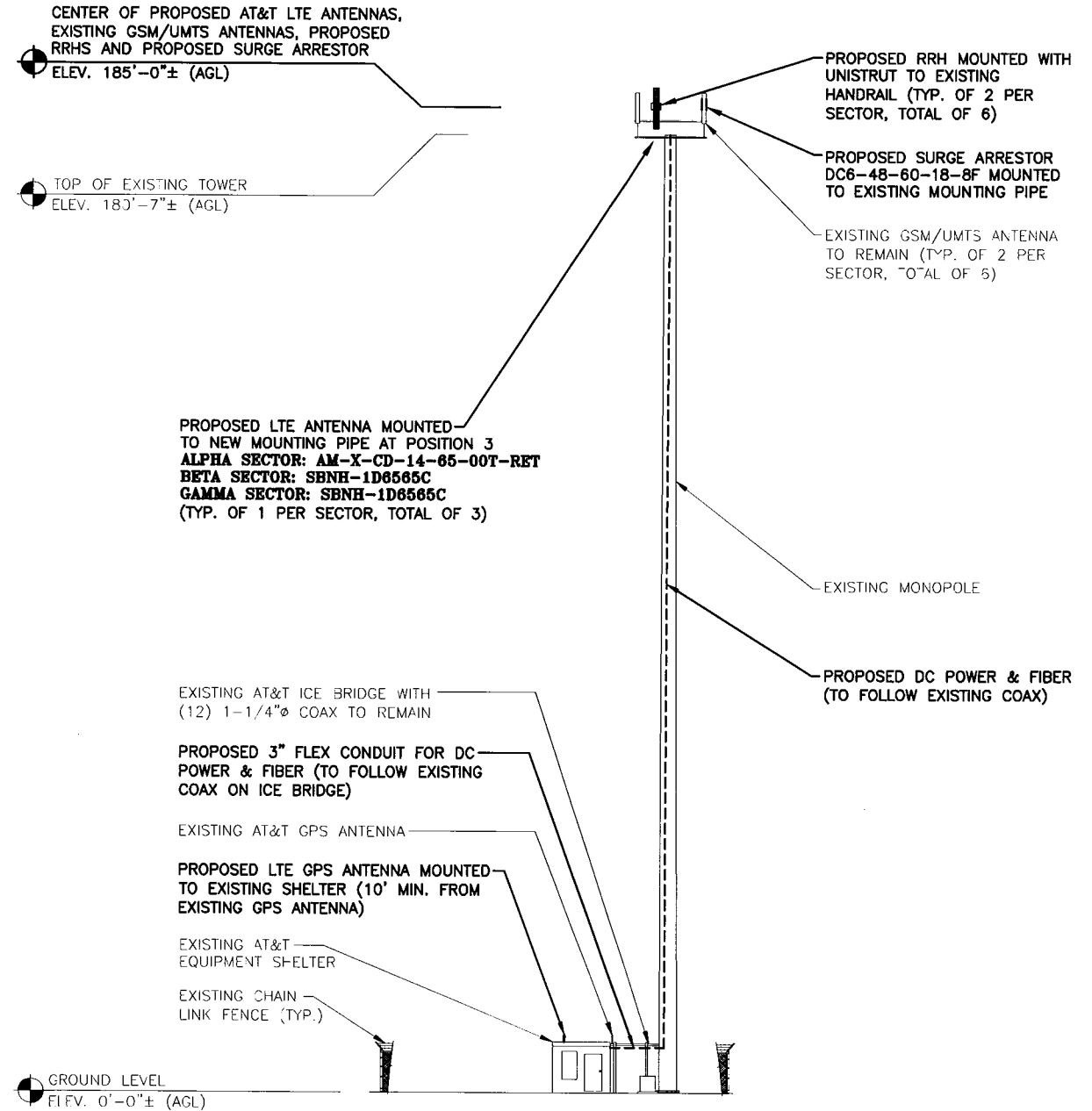
NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.



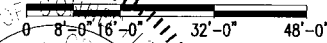
PROPOSED LTE ANTENNA PLAN

SCALE: N.T.S.



SOUTHWEST ELEVATION

SCALE: 1/16"=1'-0"



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800 MARSHALL PHELPS ROAD UNIT#: 2A
WINDSOR, CT 06095

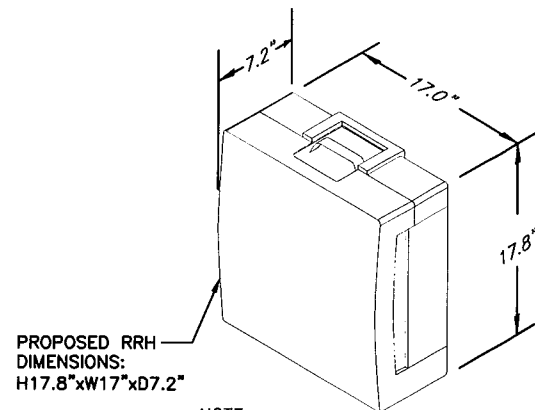
SITE NUMBER: CT2046
SITE NAME: COLCHESTER
CHESTNUT HILL ROAD
COLCHESTER, CT 06415
NEW LONDON COUNTY

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

				AT&T	
				ELEVATION & ANTENNA PLAN (LTE)	
NO.	DATE	REVISIONS	BY	CHK	APP'D
1	10/05/12	ISSUED FOR CONSTRUCTION	CM	DC	DPH
0	08/02/12	ISSUED FOR REVIEW	RM	DC	DPH
SCALE: AS SHOWN			DESIGNED BY: DC	DRAWN BY: RM	
JOB NUMBER: 2046.01			DRAWING NUMBER: A-2		REV: 1

NOTE:
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURES TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.

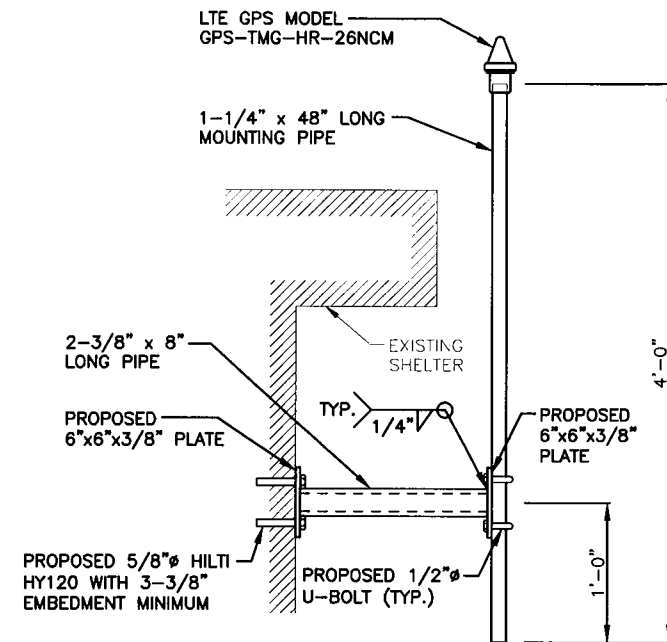


PROPOSED RRH DIMENSIONS:
H17.8"xW17"xD7.2"

NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

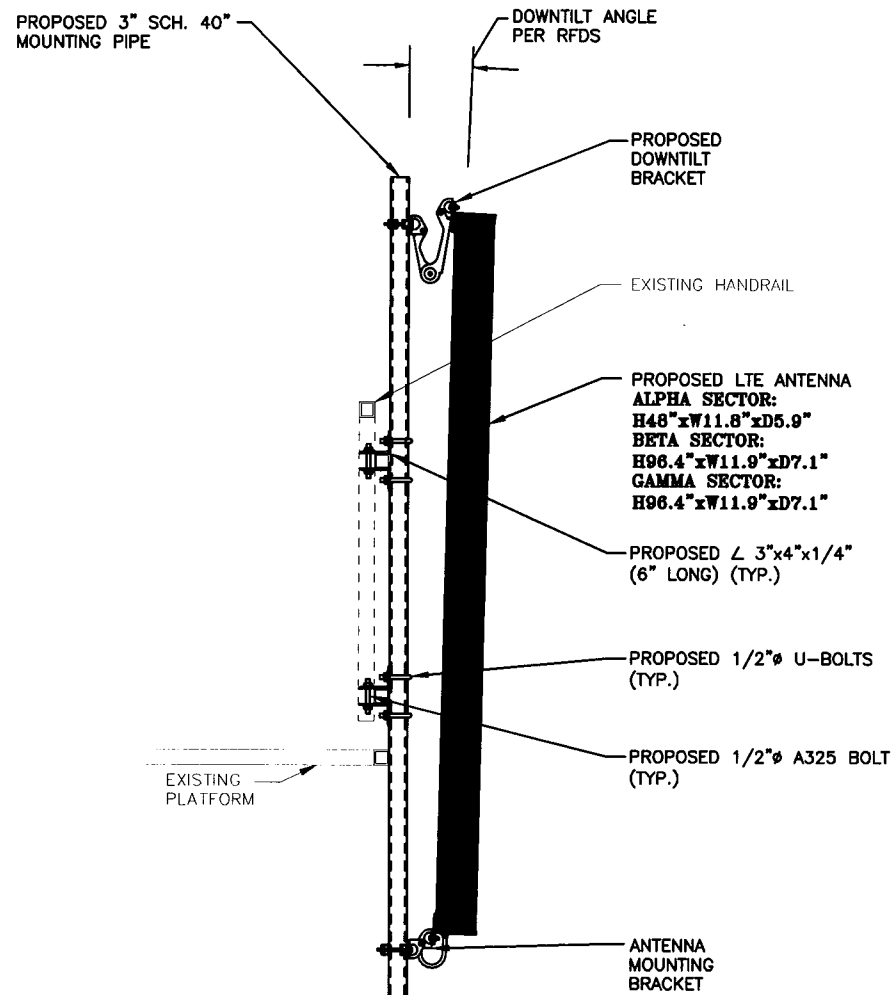
RRH DETAIL

SCALE: N.T.S.



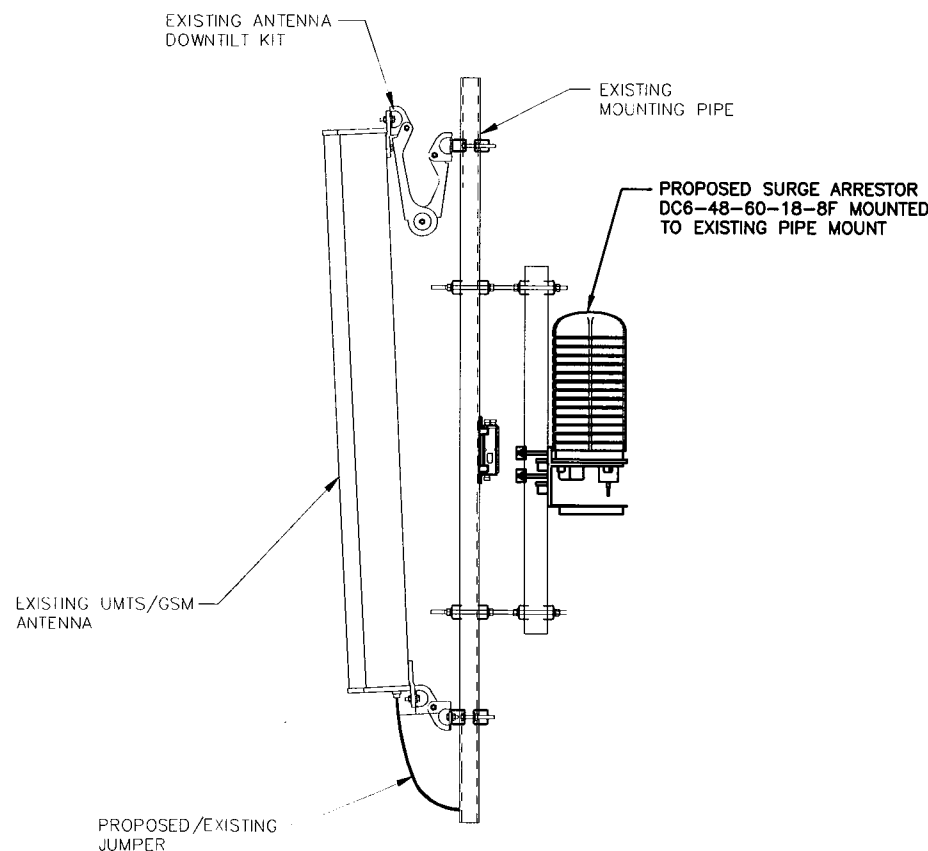
GPS MOUNTED TO SHELTER

SCALE: N.T.S.



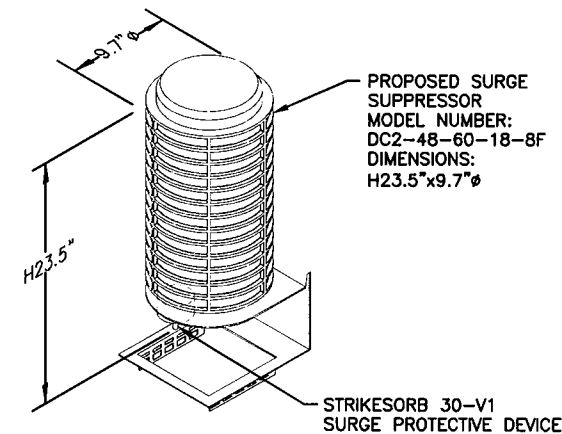
PROPOSED LTE ANTENNA MOUNTING DETAIL

SCALE: N.T.S.



PROPOSED SURGE ARRESTOR MOUNTING DETAIL

SCALE: N.T.S.



NOTE:
MOUNT PER MANUFACTURER'S SPECIFICATIONS.

DC SURGE SUPPRESSOR DETAIL

SCALE: N.T.S.



a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT#: 2A
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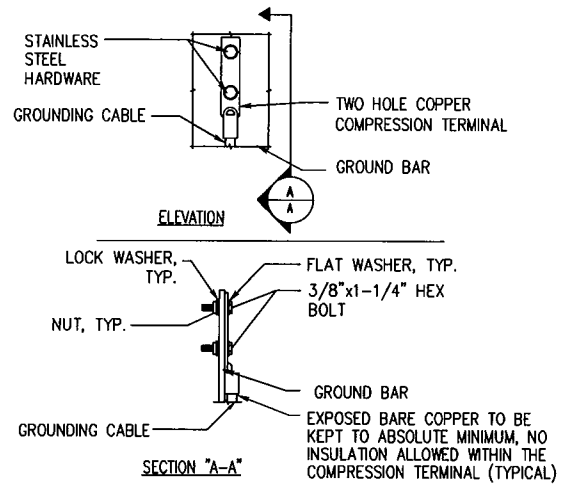
SITE NUMBER: CT2046
SITE NAME: COLCHESTER

CHESTNUT HILL ROAD
COLCHESTER, CT 06415
NEW LONDON COUNTY



500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06067

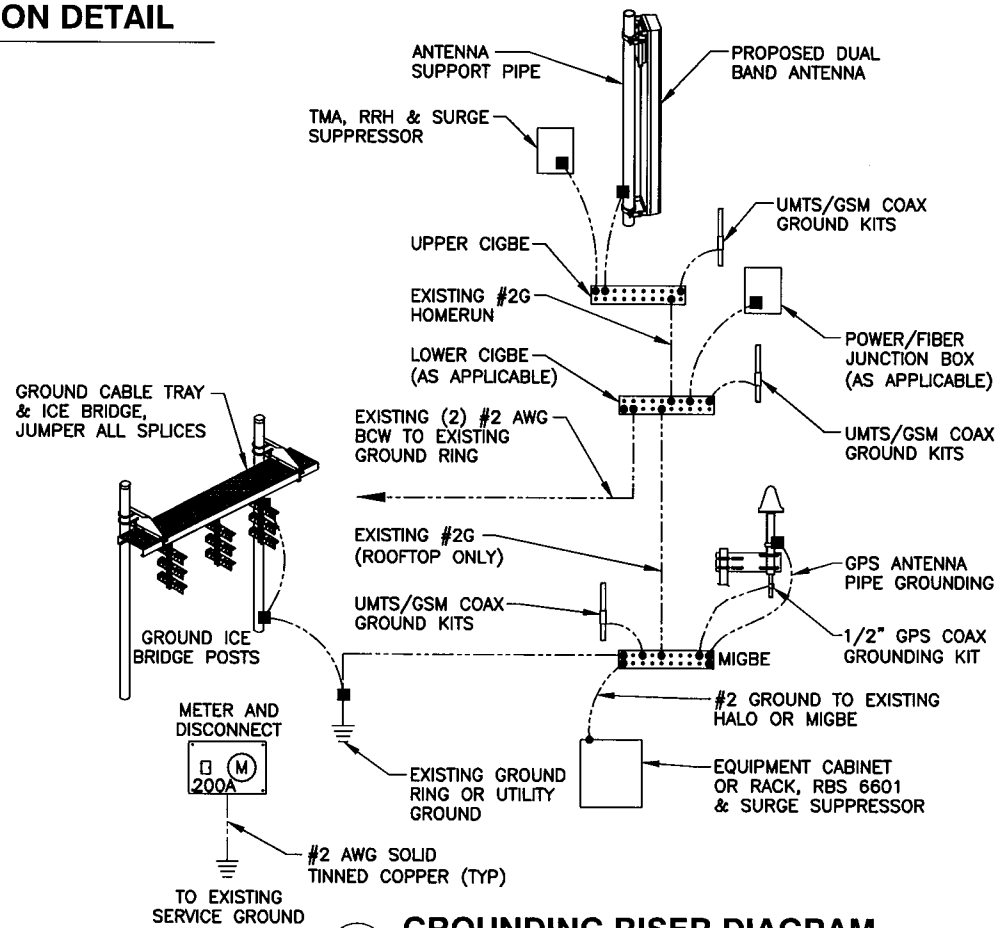
								AT&T	
								DETAILS (LTE)	
NO.	DATE	REVISIONS		BY	CHK	APP	JOB NUMBER		DRAWING NUMBER
1	10/05/12	ISSUED FOR CONSTRUCTION		CM	DC	DPH	2046.01		A-3
0	08/02/12	ISSUED FOR REVIEW		RM	DC	DPH			
SCALE: AS SHOWN		DESIGNED BY: DC		DRAWN BY: RM				REV	
								1	



- NOTE:
- "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.
 - OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.
 - CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB.

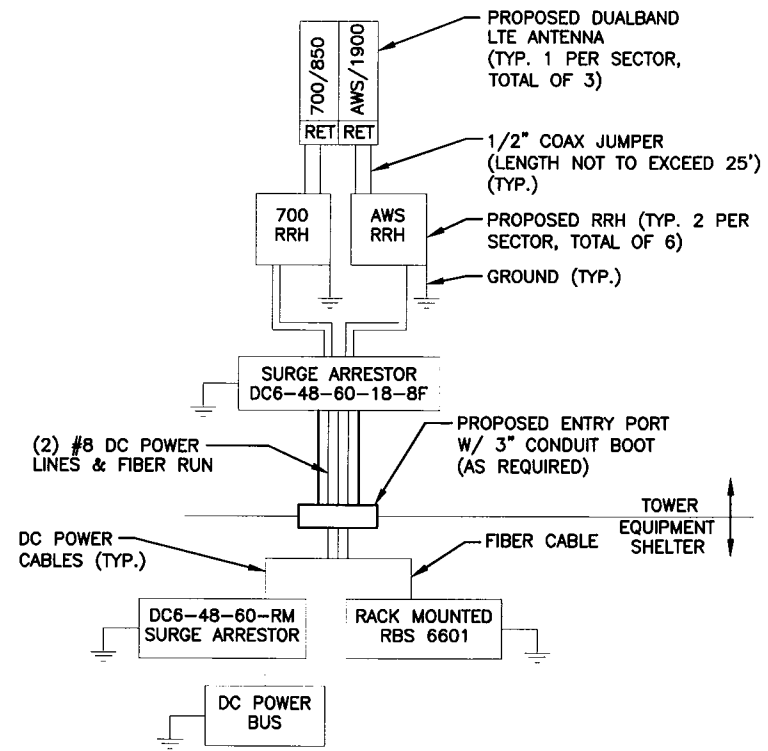
TYPICAL GROUND BAR CONNECTION DETAIL

1
—
N.T.S.



GROUNDING RISER DIAGRAM

3
—
N.T.S.



LTE PLUMBING DIAGRAM

2
—
N.T.S.

NOTE:
CONTRACTOR TO CONFIRM ALL PARTS & INSTALL ALL EQUIPMENT TO MANUFACTURER'S RECOMMENDATIONS.

WIRELESS SOLUTIONS INC.			
NO.	REQ.	PART NO.	DESCRIPTION
1	1	HLGB-0420-IS	SOLID GND. BAR (20"x4"x1/4")
2	2	—	WALL MTG. BRKT.
3	2	—	INSULATORS
4	4	—	5/8"-11x1" H.H.C.S.
5	4	—	5/8 LOCKWASHER

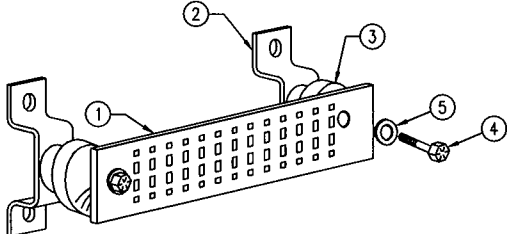
EACH GROUND CONDUCTOR TERMINATING ON ANY GROUND BAR SHALL HAVE AN IDENTIFICATION TAG ATTACHED AT EACH END THAT WILL IDENTIFY ITS ORIGIN AND DESTINATION.

SECTION "P" - SURGE PRODUCERS

- CABLE ENTRY PORTS (HATCH PLATES) (#2)
- GENERATOR FRAMEWORK (IF AVAILABLE) (#2)
- TELCO GROUND BAR
- COMMERCIAL POWER COMMON NEUTRAL/GROUND BOND (#2)
- +24V POWER SUPPLY RETURN BAR (#2)
- 48V POWER SUPPLY RETURN BAR (#2)
- RECTIFIER FRAMES.

SECTION "A" - SURGE ABSORBERS

- INTERIOR GROUND RING (#2)
- EXTERNAL EARTH GROUND FIELD (BURIED GROUND RING) (#2)
- METALLIC COLD WATER PIPE (IF AVAILABLE) (#2)
- BUILDING STEEL (IF AVAILABLE) (#2)



GROUND BAR DETAIL

4
—
N.T.S.

Hudson Design Group LLC
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

NEXLINK GLOBAL SERVICES
a UniTek GLOBAL SERVICES company
800 MARSHALL PHELPS ROAD UNIT#: 2A
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500 ENTERPRISE DRIVE, SUITE 3A
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		AT&T	
		PLUMBING DIAGRAM & GROUNDING DETAILS (LTE)	
NO.	DATE	REVISIONS	BY
1	10/05/12	ISSUED FOR CONSTRUCTION	CM JBS DPH
0	08/02/12	ISSUED FOR REVIEW	RM DC DPH
SCALE: AS SHOWN		DESIGNED BY: DC	DRAWN BY: RM
JOB NUMBER	DRAWING NUMBER	REV	
2046.01	G-1	1	