



# 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](mailto:siting.council@ct.gov)

[www.ct.gov/csc](http://www.ct.gov/csc)

May 11, 2012

Lauren Groppi  
TRM, Inc.  
16 Chestnut Street  
Foxborough, MA 02035

RE: **EM-AT&T-043-120426** – AT&T notice of intent to modify an existing telecommunications facility located at 2 Prestige Park Road, East Hartford, Connecticut.

Dear Ms. Groppi:

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 April 26, 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,

Handwritten signature of Linda Roberts in cursive, with the initials "LHR" written in the upper right corner of the signature.

Linda Roberts  
Executive Director

LR/cm

c: The Honorable Marcia A. Leclerc, Mayor, Town of East Hartford  
Michael J. Dayton, Town Planner, Town of East Hartford

EM-AT&T-043-120426

April 26, 2012

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

RECEIVED  
APR 26 2012

CONNECTICUT  
SITING COUNCIL

RE: AT&T Exempt Modification Acknowledgement  
2 Prestige Park Road, East Hartford, CT

Dear Ms. Roberts:

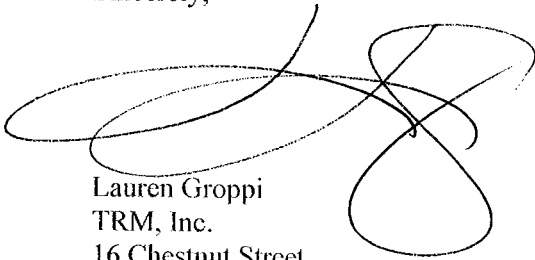
Enclosed please find an original and 5 copies of the above noted Applications and the corresponding filing fee on behalf of AT&T.

The proposed installation consists of adding three (3) antennas and a surge arrestor to AT&T's existing installation on the Existing Monopole with supporting ground equipment.

Please do not hesitate to contact me with any questions or concerns.

Thank you.

Sincerely,



Lauren Groppi  
TRM, Inc.  
16 Chestnut Street  
Foxborough, MA 02035  
lgroppi@trmcom.com

April 26, 2012

American Tower Corporation  
C/O Andrew Gilbert  
10 Presidential Way  
Woburn, MA 01801

RE: AT&T Exempt Modification Application  
2 Prestige Park Road, East Hartford, CT

Dear Mr. Gilbert:

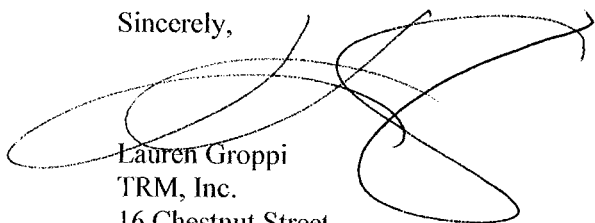
This letter is being sent to you on behalf of AT&T. AT&T filed an Exempt Modification Application with the Connecticut Siting Council on April 12, 2012, seeking acknowledgement to modify their existing installation on the existing Monopole at 2 Prestige Park Road, East Hartford, CT.

AT&T seeks to install three additional antennas and a surge arrestor on the rooftop with accompanying ground equipment.

If you have any questions or concerns, please do not hesitate to contact me.

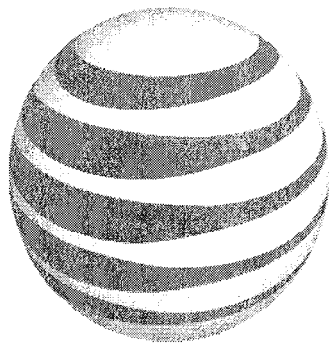
Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lauren Groppi', is written over the typed name and address.

Lauren Groppi  
TRM, Inc.  
16 Chestnut Street  
Foxborough, MA 02035  
lgroppi@trmcom.com

Cc: Linda Roberts, Executive Director, Connecticut Siting Council



**at&t**

Request of AT&T

For the Acknowledgement to Modify  
An Existing Installation on an existing Monopole  
Located at 2 Prestige Park Road, East Hartford, CT

## **Table of Contents**

1. Project Narrative and Summary
2. Exhibits
  - A. Site Plan
  - B. Structural Analysis
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CONNECTICUT SITING COUNCIL

Request of AT&T :  
For Acknowledgement of an Exempt :  
Modification to an Existing Installation : April 26, 2012  
On an Existing Monopole Located at :  
2 Prestige Park Road, East Hartford, CT :

EXEMPT MODIFICATION APPLICATION  
TO MODIFY AN INSTALLATION ON AN EXISTING MONOPOLE  
AT 2 PRESTIGE PARK ROAD, EAST HARTFORD, CT

**1. Introduction**

Pursuant to Section 16-50j-72 and 16-50j-73 of the Connecticut General Statutes (the "Statute"), AT&T requests that the Connecticut Siting Council (the "Council") acknowledge this Exempt Modification Application to modify an existing installation on an existing monopole. The existing Monopole is located at 2 Prestige Park Road, East Hartford, CT and is owned by American Tower Corporation.

The AT&T modification involves adding three (3) antennas on an existing one hundred fifty-five foot (155') monopole at one hundred fifty-two feet nine inches (152' 9") above ground level along with accompanying ground equipment.

The modification will not cause substantial adverse environmental effect. The Site is technically feasible, environmentally feasible and avoids the unnecessary siting of additional tower facilities within the Town of East Hartford.

**2. Proposed AT&T Installation**

AT&T is licensed to provide wireless telecommunication services to the State of Connecticut by the Federal Communications Commission ("FCC").

The existing monopole is located at 2 Prestige Park Road (Latitude: 41° 47' 17.9" N, Longitude: 72° 36' 0.9" W).

The AT&T installation is proposed at one hundred fifty two feet nine inches (152' 9") above ground level. The ground equipment will be located within AT&T's existing equipment room. The proposed AT&T installation will not interfere with the other existing facilities.

AT&T intends to install three (3) KMW AM-X-CD-16-65-00T antennas, six (6) Ericsson RRU11 remote radio heads and one (1) DC6-48-60-18-8F Surge Arrestor on the existing

monopole. In addition to the antennas and surge arrestor, one (1) 3/8" fiber cables will be run to serve all of the new antennas along with two (2) 5/8" DC cables. These cables will be placed on the interior of the monopole along the same route as the existing coax cables.

AT&T proposes to place the ground equipment in the existing equipment room. The ground installation includes one (1) RBS6601 LTE cabinet on a proposed rack. Further details can be seen on the Site Plan attached as Exhibit A.

#### **A. Technical Feasibility**

The existing monopole is capable of supporting AT&T's proposed installation. Hudson Design Group, LLC performed a structural assessment on the monopole and provided a full report to AT&T. Based on their review, Hudson Design Group determined that the existing monopole will satisfy the requirements of applicable codes and standards, consistent with the requirement of the Statute. Please see Exhibit B for the Structural Analysis.

#### **B. Environmental Feasibility**

The proposed installation will have negligible impact. The environmental impact to the Town of East Hartford is reduced by carriers collocating on an existing installation on an existing structure. AT&T proposes to collocate at approximately 152' 9" above ground level on the existing monopole, which will not increase the height of the monopole and have little or no increase in visibility to the Town.

AT&T's proposed installation will not impact wetlands or water resources.

AT&T's proposed facilities will not create air pollutants nor increase the impact on air quality during normal operation of the facility. There will only be a slight increase in noise pollution during site construction.

There will be a small amount of traffic generated at the Site during construction as workers arrive and depart the site and materials are delivered. When construction is complete, the traffic will be minimal with an average of one maintenance visit per month.

#### **C. Public Safety Concerns**

The proposed installation will not have an adverse impact to the health and safety of the surrounding residences and businesses.

The total radio frequency electromagnetic power density at the Site will not be increased above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General



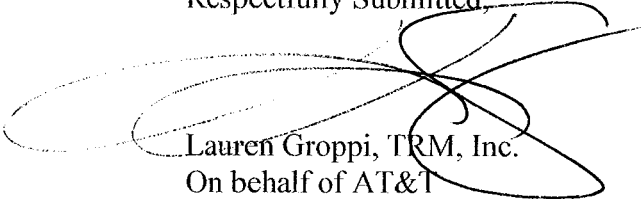
Statutes and the MPE limits established by the Federal Communications Commission. These findings are noted in the power density report included as Exhibit C.

With the proposed installation, AT&T will better serve its customers including local residences and businesses. By seeking to expand their LTE network in Connecticut, AT&T will be able to provide more reliable wireless service to their customers in the East Hartford area, fulfilling their coverage goals to comply with their FCC License.

### 3. Conclusion

The proposed installation will comply with all the requirements set forth by the Statute. In accordance with RCSA § 16-50j-73, the proposed installation does not increase the tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by 6 decibels, nor will it add radio frequency sending or receiving capability to or above the standard adopted by the State Department of Environmental Protection pursuant to Section 22a-162 of the Connecticut General Statutes. Therefore, AT&T respectfully requests that the Council an approval of this Exempt Modification Application at 2 Prestige Park Road, East Hartford, CT.

Respectfully Submitted,



Lauren Groppi, TRM, Inc.  
On behalf of AT&T

Cc: Marcia A. Leclerc, Town of East Hartford  
American Tower Corporation, C/O Andrew Gilbert  
Linda Roberts, Executive Director, Connecticut Siting Council

Certificate of Service

This is to certify that on this 26<sup>th</sup> day of April, 2012 the foregoing Application was sent via first class mail, to the following:

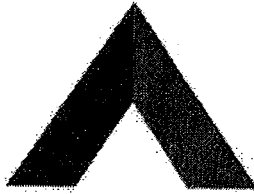
Marcia A. Leclerc, Mayor  
Town of East Hartford, Connecticut  
740 Main Street  
East Hartford, CT 06108

By: \_\_\_\_\_

Lauren Groppi



PASSED



**AMERICAN TOWER®**  
CORPORATION

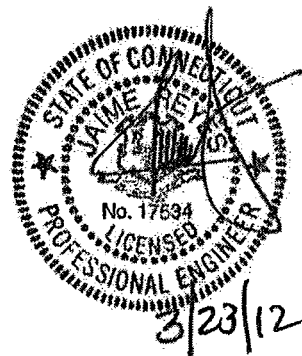
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**Structural Analysis Report**

**Structure** : 150 ft. ITT Meyer Monopole  
**ATC Site Name** : E H F R - Prestige Park, CT  
**ATC Site Number** : 302473  
**Proposed Carrier** : AT&T Mobility  
**Carrier Site Name** : E. Hartford  
**Carrier Site Number** : 10034965  
**County** : Hartford  
**Eng. Number** : 48977121  
**Date** : March 22, 2012  
**Usage** : 100% (Pole Shaft) and 88% (Base Plate)

Submitted by:  
Adam Ponder  
Project Engineer

**American Tower Engineering Services**  
8505 Freeport Parkway  
Suite 135  
Irving, TX 75063  
Phone: 972-999-8900





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CORPORATION

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**Structural Analysis Report**

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Submitted by:  
Adam Ponder  
Project Engineer

**American Tower Engineering Services**  
8505 Freeport Parkway  
Suite 135  
Irving, TX 75063  
Phone: 972-999-8900

**Introduction**

The purpose of this report is to summarize results of the structural analysis performed on the 150 ft. monopole located at E H F R - Prestige Park, CT, Hartford County (ATC site #302473). The tower was originally designed and manufactured by ITT Meyer as a "Type B" monopole as part of the AT&T Technologies, Inc. AT-8935 Radio Mast Specification dated April 13, 1984. Flange stiffeners added at the 110' elevation per SpectraSite drawing CT-0009 dated January 30, 2003 are included in the results of the current analysis.

**Analysis**

The existing tower was analyzed using Semaan Engineering Solutions, Inc., Software.

Basic Wind Speed: 95 mph (3-Second Gust)  
 Radial Ice: 50 mph (3-Second Gust) with 1" radial ice  
 Standard/Code: ANSI/TIA-222-G / 2003 IBC / 2005 CT Supplement and 2009 CT Amendments

**Antenna Loads**

The following antenna loads were used in the tower analysis.

**Existing Antennas**

Elev. (ft)	Qty	Antennas	Mount	Coax (I/O)	Carrier
150.0	1	6' Omni	Platform with Rails	(1) 1-5/8" - (I)	USA Mobility
	6	CSS DUO4-8670		(12) 7/8" - (I)	AT&T Mobility
138.0	9	Decibel DB980F65E-M	(3) T-Arms	(18) 1-5/8" - (I)	Sprint Nextel
128.0	3	RFS APXV18-206517S-C	Flush Mounts	(6) 1-5/8" - (O)	Youghiogeny
118.0	3	Argus LLPX310R	Clearwire Mount	(1) 2" Conduit - (I) (3) 1/2" - (I) (6) 5/16" - (I)	Clearwire Corporation
	1	DragonWave A-ANT-23G-1-C			
	2	DragonWave A-ANT-23G-2-C			
	3	DragonWave Horizon Compact			
	1	Generic 12" x 12" Junction Box			
	3	NextNet BTS-2500			
34.0	1	GPS	(1) Stand-off	(1) 1/2" - (O)	Sprint Nextel

**Antenna Loads (Continued)**

**Proposed Antennas**

Elev. (ft)	Qty	Antennas	Mount	Coax (I/O)	Carrier
150.0	6	ADC DD1900	Existing Platform With Rails	(2) 19.7mm and (1) 10mm Cables – (I)	AT&T Mobility
	6	Ericsson RRUS 11			
	3	KMW AM-X-CD-16-65-00T-RET			
	1	Raycap DC6-48-60-18-8F			

Note: (O) – Coax installed outside the pole shaft. (I) – Coax installed inside the pole shaft.

The existing and the proposed transmission lines were considered running inside or outside the pole shaft as indicated above. All externally mounted lines must be strapped tightly to the face of the pole shaft. Stacking the lines is not permitted.

**Results**

The existing 150 ft. ITT Meyer monopole with the existing and the proposed antennas is structurally acceptable per ANSI/TIA-222-G and the 2003 IBC with the 2005 CT Supplement and 2009 CT Amendments.

The maximum structure usages are: 100% (pole shaft) and 88% (base plate).

Pole Reactions	Original Design Reactions	Original Design Reactions x 1.35	Current Analysis Reactions	% Of Design
Moment (ft-kips)	1,197.00	1616.0	1,917.7	118.7*
Shear (kips)	13.10	17.7	18.00	101.7*

\* A 1.35 factor was included in the calculations of the percentages per EIA-222-G section 15.5.1

The structure base reactions resulting from this analysis exceed the ones shown on the original structural drawings. However, upon reviewing the foundation and the soil documents, the existing foundation was found to be adequate to support the current analysis reactions. No modification to the existing foundation is required.

The foundation and connections to the tower have factors of safety exceeding 2.0 with respect to wind.

**Conclusion**

The existing monopole and its foundation were found to be adequate to support the existing and proposed antennas with the transmission lines distributed as described above, while meeting the requirements of the code or standard as specified in this report.

If you have any questions or require additional information, please call (972) 999-8900.

### 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, the antenna 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.

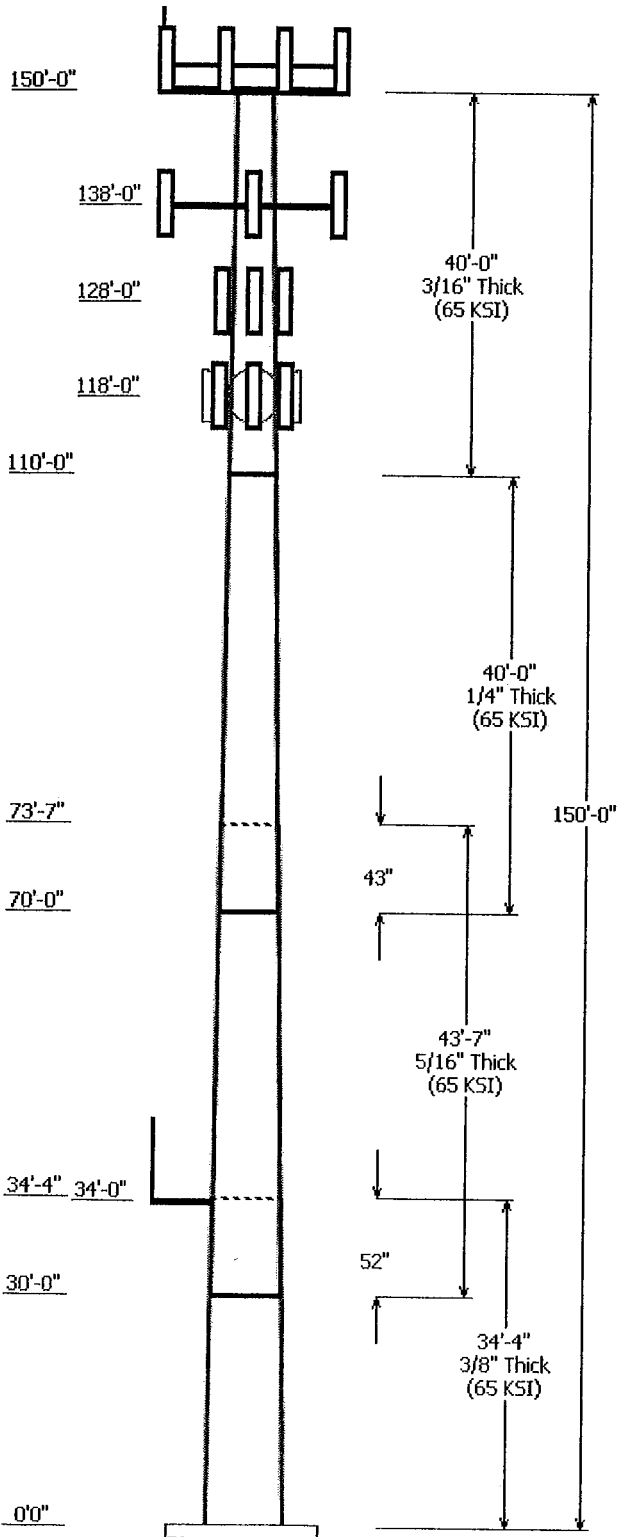
All services will be performed to the codes specified by the client, and we do not imply to meet any other codes or requirements unless explicitly agreed in writing. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement. In the absence of information to the contrary, all work will be performed in accordance with the latest relevant revision of ANSI/EIA-222.

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 :	302473	Code :	ANSI/TIA-222 Rev G
Description :	150' ITT Meyer Type "B" Monopole	Struct Class :	II
Client :	AT&T	Exposure :	B
Location :	EHFR - Prestige Park, CT	Topo :	1
Shape :	12 Sides	Base Elev (ft):	0.00
Height :	150.00 (ft)	Taper:	0.150831(in/ft)

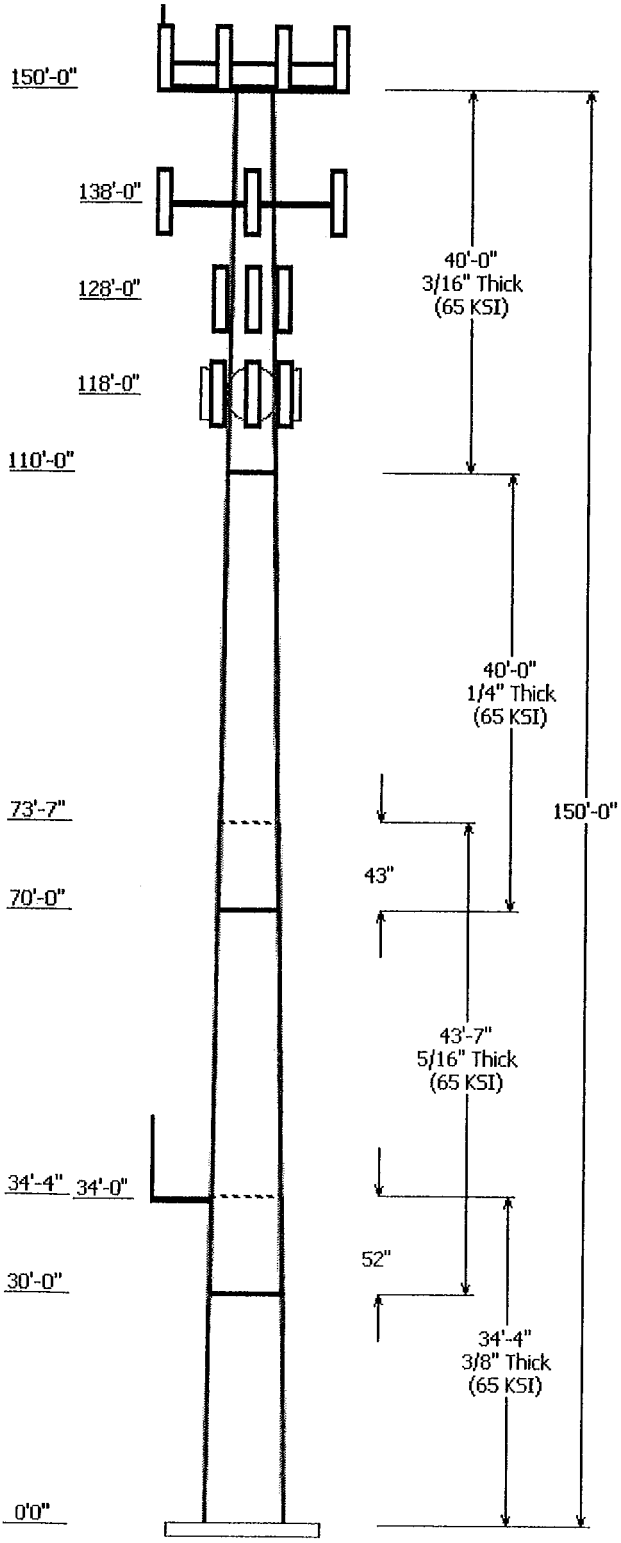


Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap		Steel Grade (ksi)
		Across Flats Top	Across Flats Bottom			Length (in)	Taper (in/ft)	
1	34.333	30.82	36.00	0.375		0.000	0.150831	65
2	43.583	25.52	32.10	0.313	Slip Joint	52.000	0.150831	65
3	40.000	20.53	26.56	0.250	Slip Joint	43.000	0.150831	65
4	40.000	14.50	20.53	0.188	Butt Joint	0.000	0.150831	65

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
150.000	152.000	6	ADC DD1900
150.000	153.000	3	KMW AM-X-CD-16-65-00T-RET
150.000	151.000	6	Ericsson RRUS 11
150.000	151.000	1	Raycap DC6-48-60-18-8F
150.000	152.000	6	CSS DUO4-8670
150.000	152.000	1	6' Omni
150.000	151.000	1	Platform
138.000	138.000	9	Decibel DB980F65E-M
138.000	138.000	3	T-Arms
128.000	128.000	1	Flush Mounts
128.000	128.000	3	RFS APXV18-206517S-C
118.000	118.000	3	NextNet BTS-2500
118.000	118.000	1	Generic 12" x 12" Junction Box
118.000	118.000	3	DragonWave Horizon Compact
118.000	118.000	2	DragonWave A-ANT-23G-2-C
118.000	118.000	1	DragonWave A-ANT-23G-1-C
118.000	118.000	1	Clearwire Mount
118.000	118.000	3	Argus LLPX310R
34.000	34.000	1	Stand-off
34.000	34.500	1	GPS

Linear Appurtenance			
Elev (ft) From	To	Description	Exposed To Wind
4.000	34.000	1/2" Coax	Yes
4.000	118.0	1/2" Coax	No
4.000	118.0	2" Conduit	No
4.000	118.0	5/16" Coax	No
4.000	128.0	1 5/8" Coax	Yes
0.000	138.0	1 5/8" Coax	No
0.000	150.0	1 5/8" Coax	No
0.000	150.0	10 mm Cable	No
0.000	150.0	19.7 mm Cable	No
0.000	150.0	7/8" Coax	No

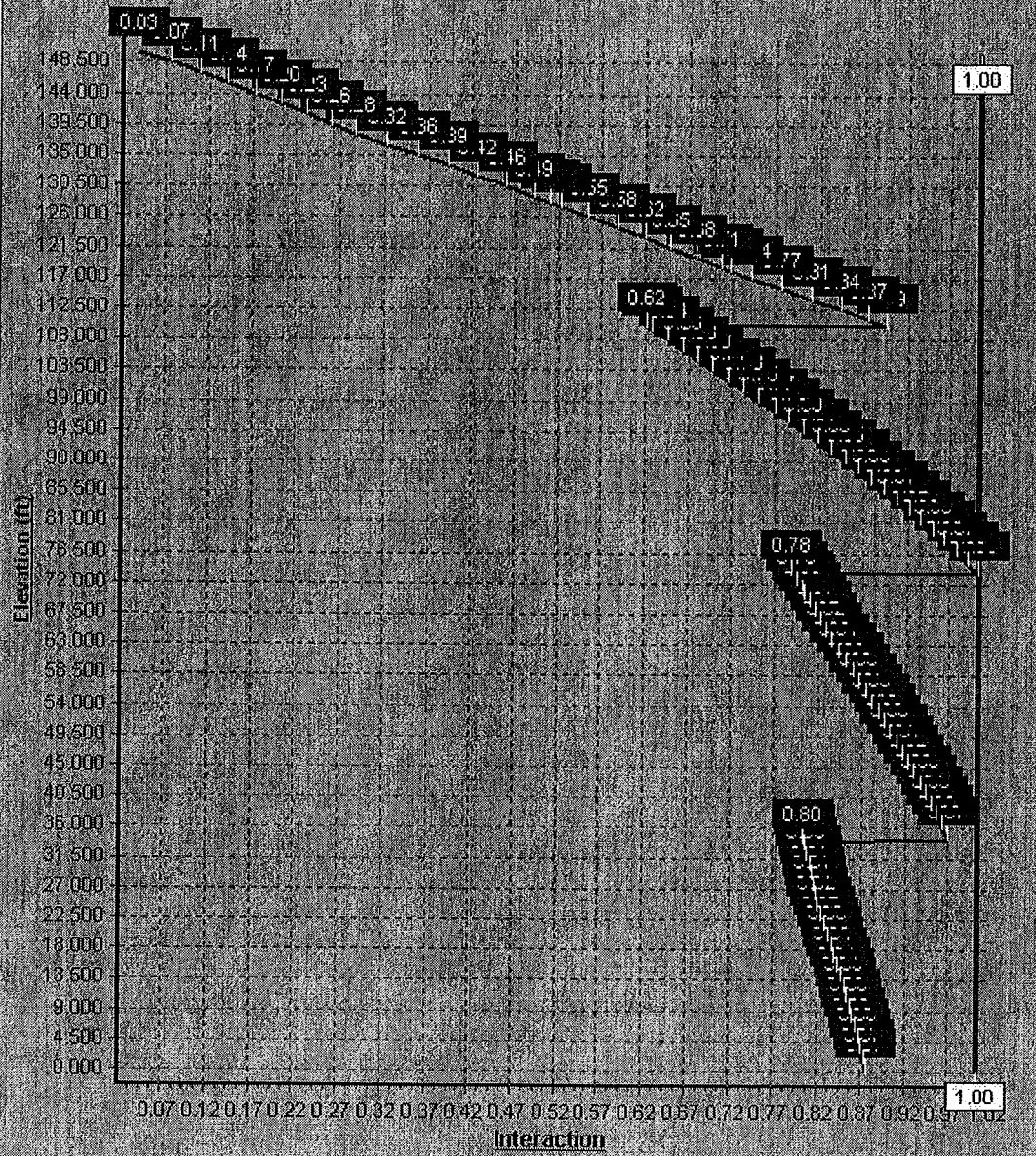
Load Cases	
1.2D + 1.6W	95.00 mph with No Ice
0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice
1.0D + 1.0W	60.00 mph Serviceability



Reactions			
Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W	1917.66	18.00	25.28
0.9D + 1.6W	1873.29	17.99	18.95
1.2D + 1.0Di + 1.0Wi	568.31	4.53	47.60
1.0D + 1.0W	473.89	4.48	21.08

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	118.00	33.360	2.906
1.0D + 1.0W	118.00	33.360	2.906

Load Case : 1.2D + 1.6W  
Max Ratio 99.99% at 73.6ft



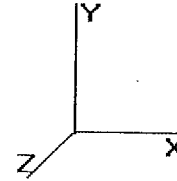
Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

3/23/2012 10:56:00 AM

Page : 1

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**Shaft Section Properties**

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Slip		Weight (lb)	Bottom				Top				Taper (in/ft)				
				Joint Type	Joint Len (in)		Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)		Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio
1-12	34.333	0.3750	65		0.00	4,660	36.00	0.00	43.02	6968.5	23.58	96.00	30.82	34.33	36.76	4349.9	19.88	82.19	0.150831
2-12	43.583	0.3125	65	Slip	52.00	4,253	32.10	30.00	31.99	4125.4	25.38	102.72	25.52	73.58	25.37	2058.8	19.74	81.68	0.150831
3-12	40.000	0.2500	65	Slip	43.00	2,553	26.56	70.00	21.19	1872.8	26.33	106.27	20.53	110.00	16.33	857.5	19.86	82.13	0.150831
4-12	40.000	0.1875	65	Butt	0.00	1,424	20.53	110.00	12.28	649.1	27.20	109.51	14.50	150.00	8.64	226.0	18.58	77.33	0.150831
Shaft Weight						12,891													

**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)
150.00	6' Omni	1	35.00	1.770	1.00	67.58	3.418	1.00	0.000	2.000
150.00	ADC DD1900	6	12.10	1.280	0.50	37.79	2.362	0.50	0.000	2.000
150.00	CSS DUO4-8670	6	38.50	6.590	0.82	278.61	7.246	0.82	0.000	2.000
150.00	Ericsson RRUS 11	6	55.00	2.940	0.71	171.00	3.408	0.71	0.000	1.000
150.00	KMW AM-X-CD-16-65-00T-Platform	3	48.50	8.260	0.75	317.43	9.784	0.75	0.000	3.000
150.00	Raycap DC6-48-60-18-8F	1	31.80	1.470	1.00	3,475.41	61.785	1.00	0.000	1.000
138.00	Decibel DB980F65E-M	9	10.00	3.750	0.75	114.23	2.403	1.00	0.000	1.000
138.00	T-Arms	3	250.00	6.000	0.75	144.28	5.163	0.75	0.000	0.000
128.00	Flush Mounts	1	200.00	3.500	1.00	526.92	12.757	0.75	0.000	0.000
128.00	RFS APXV18-206517S-C	3	26.40	5.160	0.74	658.07	8.310	1.00	0.000	0.000
118.00	Argus LLPX310R	3	28.60	4.830	0.69	195.39	6.825	0.74	0.000	0.000
118.00	Clearwire Mount	1	40.00	8.500	1.00	179.27	5.486	0.69	0.000	0.000
118.00	DragonWave A-ANT-23G-1-C	1	15.00	1.610	1.00	83.62	17.769	1.00	0.000	0.000
118.00	DragonWave A-ANT-23G-2-C	2	12.30	4.690	0.90	61.09	2.598	1.00	0.000	0.000
118.00	DragonWave Horizon	3	10.60	0.430	0.50	70.21	6.352	0.90	0.000	0.000
118.00	Generic 12" x 12" Junction	1	10.00	1.400	1.00	39.93	1.095	0.50	0.000	0.000
118.00	NextNet BTS-2500	3	35.00	2.120	0.73	64.33	2.504	1.00	0.000	0.000
34.00	GPS	1	10.00	1.000	1.00	116.09	2.559	0.73	0.000	0.000
34.00	Stand-off	1	50.00	2.000	1.00	43.70	1.818	1.00	0.000	0.500
Totals		56	4137.30			13,146.53	3.605	1.00	0.000	0.000

Number of Loadings : 20

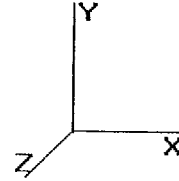
**Linear Appurtenance Properties**

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	150.00	(1) 1 5/8" Coax	0.00	N
0.00	150.00	(1) 10 mm Cable	0.00	N
0.00	150.00	(2) 19.7 mm Cable	0.00	N
0.00	150.00	(12) 7/8" Coax	0.00	N
0.00	138.00	(18) 1 5/8" Coax	0.00	N
4.00	128.00	(6) 1 5/8" Coax	1.98	Y
4.00	118.00	(3) 1/2" Coax	0.00	N
4.00	118.00	(1) 2" Conduit	0.00	N
4.00	118.00	(6) 5/16" Coax	0.00	N
4.00	34.00	(1) 1/2" Coax	0.63	Y

Pole : 302473  
Location : E HFR - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (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: 2

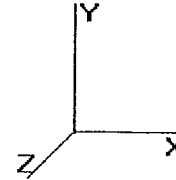


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Pole : 302473  
 Location : EHFR - Prestige Park, CT  
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 Base Elev : 0.000 (ft)

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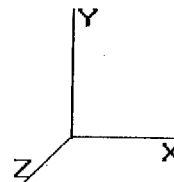
**Segment Properties** (Max Len : 1. ft)

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		0.3750	36.000	43.017	6,968.5	23.58	96.00	79.0	373.9	0.0
1.50		0.3750	35.774	42.744	6,836.6	23.42	95.40	79.2	369.2	218.9
3.00		0.3750	35.548	42.471	6,706.3	23.26	94.79	79.4	364.5	217.5
4.50		0.3750	35.321	42.198	6,577.7	23.09	94.19	79.5	359.8	216.1
6.00		0.3750	35.095	41.924	6,450.8	22.93	93.59	79.7	355.1	214.7
7.50		0.3750	34.869	41.651	6,325.5	22.77	92.98	79.9	350.5	213.3
9.00		0.3750	34.643	41.378	6,201.8	22.61	92.38	80.1	345.8	211.9
10.50		0.3750	34.416	41.105	6,079.8	22.45	91.78	80.2	341.3	210.5
12.00		0.3750	34.190	40.832	5,959.4	22.29	91.17	80.4	336.7	209.1
13.50		0.3750	33.964	40.558	5,840.6	22.12	90.57	80.6	332.2	207.7
15.00		0.3750	33.738	40.285	5,723.3	21.96	89.97	80.8	327.7	206.3
16.50		0.3750	33.511	40.012	5,607.7	21.80	89.36	80.9	323.3	204.9
18.00		0.3750	33.285	39.739	5,493.6	21.64	88.76	81.1	318.8	203.5
19.50		0.3750	33.059	39.466	5,381.1	21.48	88.16	81.3	314.5	202.1
21.00		0.3750	32.833	39.192	5,270.1	21.32	87.55	81.5	310.1	200.7
22.50		0.3750	32.606	38.919	5,160.7	21.15	86.95	81.6	305.8	199.3
24.00		0.3750	32.380	38.646	5,052.8	20.99	86.35	81.8	301.5	198.0
25.50		0.3750	32.154	38.373	4,946.4	20.83	85.74	81.9	297.2	196.6
27.00		0.3750	31.928	38.100	4,841.5	20.67	85.14	81.9	292.9	195.2
28.50		0.3750	31.701	37.827	4,738.1	20.51	84.54	81.9	288.7	193.8
30.00	Bot - Section 2	0.3750	31.475	37.553	4,636.1	20.35	83.93	81.9	284.6	192.4
31.50		0.3750	31.249	37.280	4,535.7	20.18	83.33	81.9	280.4	353.7
33.00		0.3750	31.023	37.007	4,436.7	20.02	82.73	81.9	276.3	351.1
34.00		0.3750	30.872	36.825	4,371.5	19.92	82.32	81.9	273.6	232.7
34.33	Top - Section 1	0.3125	31.446	31.329	3,876.1	24.82	100.63	77.6	238.1	77.3
34.50		0.3125	31.421	31.303	3,866.7	24.80	100.55	77.7	237.7	17.8
36.00		0.3125	31.195	31.076	3,783.0	24.60	99.82	77.9	234.3	159.2
37.50		0.3125	30.969	30.848	3,700.4	24.41	99.10	78.1	230.8	158.0
39.00		0.3125	30.743	30.620	3,619.1	24.22	98.38	78.3	227.4	156.9
40.50		0.3125	30.516	30.393	3,539.0	24.02	97.65	78.5	224.0	155.7
42.00		0.3125	30.290	30.165	3,460.0	23.83	96.93	78.7	220.7	154.5
43.50		0.3125	30.064	29.937	3,382.3	23.63	96.20	78.9	217.3	153.4
45.00		0.3125	29.838	29.710	3,305.7	23.44	95.48	79.1	214.0	152.2
46.50		0.3125	29.611	29.482	3,230.3	23.25	94.76	79.4	210.7	151.1
48.00		0.3125	29.385	29.254	3,156.1	23.05	94.03	79.6	207.5	149.9
49.50		0.3125	29.159	29.027	3,082.9	22.86	93.31	79.8	204.3	148.7
51.00		0.3125	28.933	28.799	3,011.0	22.66	92.58	80.0	201.0	147.6
52.50		0.3125	28.706	28.571	2,940.1	22.47	91.86	80.2	197.9	146.4
54.00		0.3125	28.480	28.344	2,870.4	22.28	91.14	80.4	194.7	145.3
55.50		0.3125	28.254	28.116	2,801.8	22.08	90.41	80.6	191.6	144.1
57.00		0.3125	28.028	27.888	2,734.3	21.89	89.69	80.8	188.5	142.9
58.50		0.3125	27.801	27.661	2,667.9	21.69	88.96	81.1	185.4	141.8
60.00		0.3125	27.575	27.433	2,602.5	21.50	88.24	81.3	182.3	140.6
61.50		0.3125	27.349	27.205	2,538.3	21.31	87.52	81.5	179.3	139.4
63.00		0.3125	27.123	26.978	2,475.1	21.11	86.79	81.7	176.3	138.3
64.50		0.3125	26.896	26.750	2,412.9	20.92	86.07	81.9	173.3	137.1
66.00		0.3125	26.670	26.522	2,351.9	20.72	85.34	81.9	170.4	136.0
67.50		0.3125	26.444	26.295	2,291.8	20.53	84.62	81.9	167.4	134.8
69.00		0.3125	26.218	26.067	2,232.8	20.34	83.90	81.9	164.5	133.6
70.00	Bot - Section 3	0.3125	26.067	25.915	2,194.0	20.21	83.41	81.9	162.6	88.4
70.50		0.3125	25.991	25.839	2,174.8	20.14	83.17	81.9	161.6	80.0
72.00		0.3125	25.765	25.612	2,117.8	19.95	82.45	81.9	158.8	238.7
73.50		0.3125	25.539	25.384	2,061.9	19.75	81.72	81.9	156.0	236.6
73.58	Top - Section 2	0.2500	26.026	20.750	1,759.7	25.75	104.11	76.6	130.6	13.1
75.00		0.2500	25.813	20.578	1,716.3	25.52	103.25	76.9	128.5	99.6
76.50		0.2500	25.586	20.396	1,671.2	25.28	102.35	77.1	126.2	104.6
78.00		0.2500	25.360	20.214	1,626.8	25.04	101.44	77.4	123.9	103.6
79.50		0.2500	25.134	20.032	1,583.2	24.79	100.54	77.7	121.7	102.7

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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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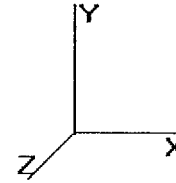
81.00	0.2500	24.908	19.849	1,540.4	24.55	99.63	77.9	119.5	101.8
82.50	0.2500	24.681	19.667	1,498.4	24.31	98.73	78.2	117.3	100.9
84.00	0.2500	24.455	19.485	1,457.2	24.07	97.82	78.5	115.1	99.9
85.50	0.2500	24.229	19.303	1,416.7	23.82	96.92	78.7	113.0	99.0
87.00	0.2500	24.003	19.121	1,377.0	23.58	96.01	79.0	110.8	98.1
88.50	0.2500	23.776	18.939	1,338.0	23.34	95.11	79.3	108.7	97.1
90.00	0.2500	23.550	18.757	1,299.8	23.10	94.20	79.5	106.6	96.2
91.50	0.2500	23.324	18.575	1,262.3	22.85	93.30	79.8	104.5	95.3
93.00	0.2500	23.098	18.392	1,225.5	22.61	92.39	80.1	102.5	94.3
94.50	0.2500	22.871	18.210	1,189.4	22.37	91.49	80.3	100.5	93.4
96.00	0.2500	22.645	18.028	1,154.1	22.13	90.58	80.6	98.5	92.5
97.50	0.2500	22.419	17.846	1,119.5	21.88	89.68	80.8	96.5	91.6
99.00	0.2500	22.193	17.664	1,085.6	21.64	88.77	81.1	94.5	90.6
100.5	0.2500	21.966	17.482	1,052.3	21.40	87.87	81.4	92.5	89.7
102.0	0.2500	21.740	17.300	1,019.8	21.16	86.96	81.6	90.6	88.8
103.5	0.2500	21.514	17.118	987.9	20.92	86.06	81.9	88.7	87.8
105.0	0.2500	21.288	16.935	956.7	20.67	85.15	81.9	86.8	86.9
106.5	0.2500	21.062	16.753	926.2	20.43	84.25	81.9	85.0	86.0
108.0	0.2500	20.835	16.571	896.3	20.19	83.34	81.9	83.1	85.0
109.5	0.2500	20.609	16.389	867.1	19.95	82.44	81.9	81.3	84.1
110.0	0.2500	20.534	16.328	857.5	19.86	82.13	81.9	80.7	27.8
110.0	Top - Section 3 Bot - Section 4	0.1875	20.534	12.284	649.1	27.20	109.51	75.0	61.1
111.0		0.1875	20.383	12.193	634.7	26.98	108.71	75.3	60.2
112.5		0.1875	20.157	12.056	613.6	26.66	107.50	75.6	58.8
114.0		0.1875	19.930	11.920	593.0	26.34	106.29	76.0	57.5
115.5		0.1875	19.704	11.783	572.9	26.01	105.09	76.3	56.2
117.0		0.1875	19.478	11.647	553.2	25.69	103.88	76.7	54.9
118.0		0.1875	19.327	11.555	540.3	25.48	103.08	76.9	54.0
118.5		0.1875	19.252	11.510	533.9	25.37	102.67	77.0	53.6
120.0		0.1875	19.025	11.373	515.1	25.04	101.47	77.4	52.3
121.5		0.1875	18.799	11.237	496.8	24.72	100.26	77.8	51.1
123.0		0.1875	18.573	11.100	478.9	24.40	99.05	78.1	49.8
124.5		0.1875	18.347	10.964	461.4	24.07	97.85	78.5	48.6
126.0		0.1875	18.120	10.827	444.4	23.75	96.64	78.8	47.4
127.5		0.1875	17.894	10.690	427.8	23.43	95.43	79.2	46.2
128.0		0.1875	17.819	10.645	422.4	23.32	95.03	79.3	45.8
129.0		0.1875	17.668	10.554	411.6	23.10	94.23	79.5	45.0
130.5		0.1875	17.442	10.417	395.8	22.78	93.02	79.9	43.8
132.0		0.1875	17.215	10.281	380.5	22.46	91.81	80.2	42.7
133.5		0.1875	16.989	10.144	365.5	22.13	90.61	80.6	41.6
135.0		0.1875	16.763	10.007	350.9	21.81	89.40	80.9	40.4
136.5		0.1875	16.537	9.871	336.8	21.49	88.20	81.3	39.3
138.0		0.1875	16.310	9.734	323.0	21.16	86.99	81.6	38.3
139.5		0.1875	16.084	9.598	309.6	20.84	85.78	81.9	37.2
141.0		0.1875	15.858	9.461	296.5	20.52	84.58	81.9	36.1
142.5		0.1875	15.632	9.324	283.9	20.19	83.37	81.9	35.1
144.0		0.1875	15.405	9.188	271.6	19.87	82.16	81.9	34.1
145.5		0.1875	15.179	9.051	259.6	19.55	80.96	81.9	33.0
147.0		0.1875	14.953	8.915	248.1	19.22	79.75	81.9	32.0
148.5		0.1875	14.727	8.778	236.8	18.90	78.54	81.9	31.1
150.0		0.1875	14.500	8.641	226.0	18.58	77.34	81.9	30.1

12,890.6

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
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 Struct Class : II  
 Exposure Category : B  
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 Base Elev : 0.000 (ft)

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**Load Case:** 1.2D + 1.6W      95.00 mph with No Ice      38 Iterations

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

**Dead Load Factor:** 1.20

**Wind Load Factor:** 1.60

**Shaft Segment Forces (Factored)**

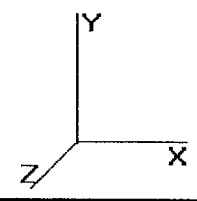
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	15.364	16.90	246.86	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.50		1.00	0.70	15.364	16.90	245.30	1.000	0.000	1.50	4.644	4.64	125.6	0.0	262.6
3.00		1.00	0.70	15.364	16.90	243.75	1.000	0.000	1.50	4.615	4.61	124.8	0.0	261.0
4.50		1.00	0.70	15.364	16.90	242.20	1.000	0.000	1.50	4.586	4.59	124.0	0.0	259.3
6.00		1.00	0.70	15.364	16.90	240.65	1.000	0.000	1.50	4.556	4.56	123.2	0.0	257.6
7.50		1.00	0.70	15.364	16.90	239.10	1.000	0.000	1.50	4.527	4.53	122.4	0.0	256.0
9.00		1.00	0.70	15.364	16.90	237.55	1.000	0.000	1.50	4.498	4.50	121.6	0.0	254.3
10.50		1.00	0.70	15.364	16.90	236.00	1.000	0.000	1.50	4.468	4.47	120.8	0.0	252.6
12.00		1.00	0.70	15.364	16.90	234.44	1.000	0.000	1.50	4.439	4.44	120.0	0.0	250.9
13.50		1.00	0.70	15.364	16.90	232.89	1.000	0.000	1.50	4.410	4.41	119.2	0.0	249.3
15.00		1.00	0.70	15.364	16.90	231.34	1.000	0.000	1.50	4.381	4.38	118.5	0.0	247.6
16.50		1.00	0.70	15.364	16.90	229.79	1.000	0.000	1.50	4.351	4.35	117.7	0.0	245.9
18.00		1.00	0.70	15.364	16.90	228.24	1.000	0.000	1.50	4.322	4.32	116.9	0.0	244.2
19.50		1.00	0.70	15.364	16.90	226.69	1.000	0.000	1.50	4.293	4.29	116.1	0.0	242.6
21.00		1.00	0.70	15.364	16.90	225.14	1.000	0.000	1.50	4.263	4.26	115.3	0.0	240.9
22.50		1.00	0.70	15.364	16.90	223.58	1.000	0.000	1.50	4.234	4.23	114.5	0.0	239.2
24.00		1.00	0.70	15.364	16.90	222.03	1.000	0.000	1.50	4.205	4.20	113.7	0.0	237.5
25.50		1.00	0.70	15.364	16.90	220.48	1.000	0.000	1.50	4.176	4.18	112.9	0.0	235.9
27.00		1.00	0.70	15.364	16.90	218.93	1.000	0.000	1.50	4.146	4.15	112.1	0.0	234.2
28.50		1.00	0.70	15.364	16.90	217.38	1.000	0.000	1.50	4.117	4.12	111.3	0.0	232.5
30.00	Bot - Section 2	1.00	0.70	15.377	16.91	215.92	1.000	0.000	1.50	4.088	4.09	110.6	0.0	230.8
31.50		1.00	0.71	15.593	17.15	215.87	1.000	0.000	1.50	4.140	4.14	113.6	0.0	424.4
33.00		1.00	0.72	15.802	17.38	215.73	1.000	0.000	1.50	4.110	4.11	114.3	0.0	421.3
34.00	Appertunance(s)	1.00	0.72	15.937	17.53	215.60	1.000	0.000	1.00	2.724	2.72	76.4	0.0	279.2
34.33	Top - Section 1	1.00	0.72	15.981	17.58	215.55	1.000	0.000	0.33	0.905	0.90	25.5	0.0	92.7
34.50		1.00	0.72	16.004	17.60	219.90	1.000	0.000	0.17	0.452	0.45	12.7	0.0	21.3
36.00		1.00	0.73	16.199	17.81	219.64	1.000	0.000	1.50	4.052	4.05	115.5	0.0	191.0
37.50		1.00	0.74	16.389	18.02	219.33	1.000	0.000	1.50	4.022	4.02	116.0	0.0	189.6
39.00		1.00	0.75	16.574	18.23	218.95	1.000	0.000	1.50	3.993	3.99	116.5	0.0	188.2
40.50		1.00	0.76	16.754	18.42	218.51	1.000	0.000	1.50	3.964	3.96	116.9	0.0	186.9
42.00		1.00	0.77	16.929	18.62	218.02	1.000	0.000	1.50	3.934	3.93	117.2	0.0	185.5
43.50		1.00	0.77	17.099	18.80	217.48	1.000	0.000	1.50	3.905	3.91	117.5	0.0	184.1
45.00		1.00	0.78	17.266	18.99	216.89	1.000	0.000	1.50	3.876	3.88	117.8	0.0	182.7
46.50		1.00	0.79	17.428	19.17	216.26	1.000	0.000	1.50	3.847	3.85	118.0	0.0	181.3
48.00		1.00	0.80	17.587	19.34	215.58	1.000	0.000	1.50	3.817	3.82	118.2	0.0	179.9
49.50		1.00	0.80	17.742	19.51	214.86	1.000	0.000	1.50	3.788	3.79	118.3	0.0	178.5
51.00		1.00	0.81	17.894	19.68	214.11	1.000	0.000	1.50	3.759	3.76	118.4	0.0	177.1
52.50		1.00	0.82	18.043	19.84	213.31	1.000	0.000	1.50	3.730	3.73	118.4	0.0	175.7
54.00		1.00	0.82	18.189	20.00	212.49	1.000	0.000	1.50	3.700	3.70	118.5	0.0	174.3
55.50		1.00	0.83	18.332	20.16	211.63	1.000	0.000	1.50	3.671	3.67	118.4	0.0	172.9
57.00		1.00	0.84	18.472	20.31	210.73	1.000	0.000	1.50	3.642	3.64	118.4	0.0	171.5
58.50		1.00	0.84	18.610	20.47	209.81	1.000	0.000	1.50	3.612	3.61	118.3	0.0	170.1
60.00		1.00	0.85	18.745	20.61	208.85	1.000	0.000	1.50	3.583	3.58	118.2	0.0	168.7
61.50		1.00	0.86	18.878	20.76	207.87	1.000	0.000	1.50	3.554	3.55	118.1	0.0	167.3
63.00		1.00	0.86	19.008	20.90	206.86	1.000	0.000	1.50	3.525	3.52	117.9	0.0	165.9
64.50		1.00	0.87	19.136	21.05	205.83	1.000	0.000	1.50	3.495	3.50	117.7	0.0	164.5
66.00		1.00	0.87	19.262	21.18	204.77	1.000	0.000	1.50	3.466	3.47	117.5	0.0	163.1
67.50		1.00	0.88	19.386	21.32	203.68	1.000	0.000	1.50	3.437	3.44	117.3	0.0	161.8
69.00		1.00	0.88	19.509	21.45	202.58	1.000	0.000	1.50	3.407	3.41	117.0	0.0	160.4
70.00	Bot - Section 3	1.00	0.89	19.589	21.54	201.83	1.000	0.000	1.00	2.255	2.26	77.8	0.0	106.1
70.50		1.00	0.89	19.629	21.59	201.45	1.000	0.000	0.50	1.145	1.14	39.5	0.0	96.0



Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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                      95.00 mph with No Ice                      38 Iterations

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

**Dead Load Factor :** 1.20

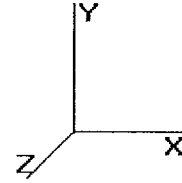
**Wind Load Factor :** 1.60

72.00		1.00	0.90	19.747	21.72	200.29	1.000	0.000	1.50	3.414	3.41	118.6	0.0	286.4
73.50		1.00	0.90	19.864	21.85	199.12	1.000	0.000	1.50	3.384	3.38	118.3	0.0	283.9
73.58	Top - Section 2	1.00	0.90	19.870	21.85	199.06	1.000	0.000	0.08	0.187	0.19	6.5	0.0	15.7
75.00		1.00	0.91	19.979	21.97	201.84	1.000	0.000	1.42	3.168	3.17	111.4	0.0	119.5
76.50		1.00	0.91	20.092	22.10	200.64	1.000	0.000	1.50	3.326	3.33	117.6	0.0	125.5
78.00		1.00	0.92	20.204	22.22	199.41	1.000	0.000	1.50	3.296	3.30	117.2	0.0	124.4
79.50		1.00	0.92	20.314	22.34	198.17	1.000	0.000	1.50	3.267	3.27	116.8	0.0	123.3
81.00		1.00	0.93	20.423	22.46	196.91	1.000	0.000	1.50	3.238	3.24	116.4	0.0	122.1
82.50		1.00	0.93	20.530	22.58	195.64	1.000	0.000	1.50	3.209	3.21	115.9	0.0	121.0
84.00		1.00	0.94	20.636	22.70	194.34	1.000	0.000	1.50	3.179	3.18	115.5	0.0	119.9
85.50		1.00	0.94	20.741	22.81	193.03	1.000	0.000	1.50	3.150	3.15	115.0	0.0	118.8
87.00		1.00	0.95	20.844	22.92	191.71	1.000	0.000	1.50	3.121	3.12	114.5	0.0	117.7
88.50		1.00	0.95	20.946	23.04	190.36	1.000	0.000	1.50	3.092	3.09	114.0	0.0	116.6
90.00		1.00	0.95	21.047	23.15	189.01	1.000	0.000	1.50	3.062	3.06	113.4	0.0	115.4
91.50		1.00	0.96	21.147	23.26	187.63	1.000	0.000	1.50	3.033	3.03	112.9	0.0	114.3
93.00		1.00	0.96	21.245	23.37	186.24	1.000	0.000	1.50	3.004	3.00	112.3	0.0	113.2
94.50		1.00	0.97	21.343	23.47	184.84	1.000	0.000	1.50	2.974	2.97	111.7	0.0	112.1
96.00		1.00	0.97	21.439	23.58	183.43	1.000	0.000	1.50	2.945	2.95	111.1	0.0	111.0
97.50		1.00	0.98	21.534	23.68	182.00	1.000	0.000	1.50	2.916	2.92	110.5	0.0	109.9
99.00		1.00	0.98	21.628	23.79	180.55	1.000	0.000	1.50	2.887	2.89	109.9	0.0	108.7
100.5		1.00	0.99	21.721	23.89	179.10	1.000	0.000	1.50	2.857	2.86	109.2	0.0	107.6
102.0		1.00	0.99	21.814	23.99	177.63	1.000	0.000	1.50	2.828	2.83	108.6	0.0	106.5
103.5		1.00	0.99	21.905	24.09	176.15	1.000	0.000	1.50	2.799	2.80	107.9	0.0	105.4
105.0		1.00	1.00	21.995	24.19	174.65	1.000	0.000	1.50	2.769	2.77	107.2	0.0	104.3
106.5		1.00	1.00	22.084	24.29	173.15	1.000	0.000	1.50	2.740	2.74	106.5	0.0	103.2
108.0		1.00	1.01	22.173	24.39	171.63	1.000	0.000	1.50	2.711	2.71	105.8	0.0	102.1
109.5		1.00	1.01	22.260	24.48	170.10	1.000	0.000	1.50	2.682	2.68	105.1	0.0	100.9
110.0	Top - Section 3	1.00	1.01	22.289	24.51	169.59	1.000	0.000	0.50	0.887	0.89	34.8	0.0	33.4
111.0		1.00	1.01	22.347	24.58	168.56	1.000	0.000	1.00	1.765	1.77	69.4	0.0	50.0
112.5		1.00	1.02	22.433	24.67	167.01	1.000	0.000	1.50	2.623	2.62	103.6	0.0	74.3
114.0		1.00	1.02	22.518	24.77	165.45	1.000	0.000	1.50	2.594	2.59	102.8	0.0	73.4
115.5		1.00	1.03	22.602	24.86	163.87	1.000	0.000	1.50	2.565	2.56	102.0	0.0	72.6
117.0		1.00	1.03	22.686	24.95	162.29	1.000	0.000	1.50	2.535	2.54	101.2	0.0	71.8
118.0	Appertunance(s)	1.00	1.03	22.741	25.01	161.23	1.000	0.000	1.00	1.674	1.67	67.0	0.0	47.4
118.5		1.00	1.03	22.768	25.04	160.70	1.000	0.000	0.50	0.832	0.83	33.3	0.0	23.5
120.0		1.00	1.04	22.850	25.13	159.10	1.000	0.000	1.50	2.477	2.48	99.6	0.0	70.1
121.5		1.00	1.04	22.932	25.22	157.48	1.003	* 0.000	1.50	2.447	2.46	99.1	0.0	69.2
123.0		1.00	1.04	23.012	25.31	155.86	1.007	* 0.000	1.50	2.418	2.44	98.6	0.0	68.4
124.5		1.00	1.05	23.092	25.40	154.23	1.011	* 0.000	1.50	2.389	2.41	98.1	0.0	67.6
126.0		1.00	1.05	23.171	25.48	152.59	1.015	* 0.000	1.50	2.360	2.39	97.6	0.0	66.7
127.5		1.00	1.05	23.250	25.57	150.94	1.019	* 0.000	1.50	2.330	2.37	97.1	0.0	65.9
128.0	Appertunance(s)	1.00	1.06	23.276	25.60	150.39	1.021	* 0.000	0.50	0.770	0.79	32.2	0.0	21.8
129.0		1.00	1.06	23.327	25.66	149.28	1.000	0.000	1.00	1.531	1.53	62.8	0.0	43.3
130.5		1.00	1.06	23.405	25.74	147.61	1.000	0.000	1.50	2.272	2.27	93.6	0.0	64.2
132.0		1.00	1.07	23.481	25.82	145.93	1.000	0.000	1.50	2.242	2.24	92.7	0.0	63.4
133.5		1.00	1.07	23.557	25.91	144.25	1.000	0.000	1.50	2.213	2.21	91.8	0.0	62.5
135.0		1.00	1.07	23.632	25.99	142.55	1.000	0.000	1.50	2.184	2.18	90.8	0.0	61.7
136.5		1.00	1.08	23.707	26.07	140.85	1.000	0.000	1.50	2.155	2.15	89.9	0.0	60.9
138.0	Appertunance(s)	1.00	1.08	23.781	26.15	139.14	1.000	0.000	1.50	2.125	2.13	89.0	0.0	60.0
139.5		1.00	1.08	23.855	26.24	137.42	1.000	0.000	1.50	2.096	2.10	88.0	0.0	59.2
141.0		1.00	1.09	23.928	26.32	135.70	1.000	0.000	1.50	2.067	2.07	87.0	0.0	58.4
142.5		1.00	1.09	24.000	26.40	133.96	1.000	0.000	1.50	2.038	2.04	86.1	0.0	57.5
144.0		1.00	1.09	24.072	26.47	132.22	1.000	0.000	1.50	2.008	2.01	85.1	0.0	56.7
145.5		1.00	1.10	24.144	26.55	130.47	1.000	0.000	1.50	1.979	1.98	84.1	0.0	55.9
147.0		1.00	1.10	24.214	26.63	128.72	1.000	0.000	1.50	1.950	1.95	83.1	0.0	55.0
148.5		1.00	1.10	24.285	26.71	126.95	1.000	0.000	1.50	1.920	1.92	82.1	0.0	54.2
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	125.18	1.000	0.000	1.50	1.891	1.89	81.1	0.0	53.3

Pole : 302473  
Location : E H F R - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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

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<b>Load Case:</b> 1.2D + 1.6W	95.00 mph with No Ice	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

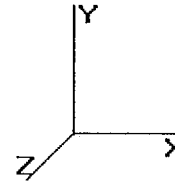
\* = Cf Adjusted By Linear Load Ra Effect

Totals: 150.00 10,980.7 0.0 15,468.8

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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**Load Case:** 1.2D + 1.6W      95.00 mph with No Ice      38 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

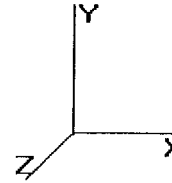
**Discrete Appurtenance Segment Forces (Factored)**

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)
34.00	GPS	1	16.004	17.604	1.00	1.00	1.00	0.000	0.500	28.17	0.00	14.08	12.00
34.00	Stand-off	1	15.937	17.531	1.00	1.00	2.00	0.000	0.000	56.10	0.00	0.00	60.00
118.0	Argus LLPX310R	3	22.741	25.015	0.55	0.80	8.00	0.000	0.000	320.13	0.00	0.00	102.96
118.0	Clearwire Mount	1	22.741	25.015	1.00	1.00	8.50	0.000	0.000	340.20	0.00	0.00	48.00
118.0	DragonWave A-ANT-	1	22.741	25.015	1.00	1.00	1.61	0.000	0.000	64.44	0.00	0.00	18.00
118.0	DragonWave A-ANT-	2	22.741	25.015	0.90	1.00	8.44	0.000	0.000	337.88	0.00	0.00	29.52
118.0	DragonWave Horizon	3	22.741	25.015	0.40	0.80	0.52	0.000	0.000	20.65	0.00	0.00	38.16
118.0	Generic 12" x 12" Ju	1	22.741	25.015	1.00	1.00	1.40	0.000	0.000	56.03	0.00	0.00	12.00
118.0	NextNet BTS-2500	3	22.741	25.015	0.58	0.80	3.71	0.000	0.000	148.66	0.00	0.00	126.00
128.0	Flush Mounts	1	23.276	25.603	1.00	1.00	3.50	0.000	0.000	143.38	0.00	0.00	240.00
128.0	RFS APXV18-206517S-	3	23.276	25.603	0.59	0.80	9.16	0.000	0.000	375.41	0.00	0.00	95.04
138.0	Decibel DB980F65E-M	9	23.781	26.159	0.60	0.80	20.25	0.000	0.000	847.56	0.00	0.00	108.00
138.0	T-Arms	3	23.781	26.159	0.56	0.75	10.13	0.000	0.000	423.78	0.00	0.00	900.00
150.0	6' Omni	1	24.447	26.892	1.00	1.00	1.77	0.000	2.000	76.16	0.00	152.31	42.00
150.0	ADC DD1900	6	24.447	26.892	0.40	0.80	3.07	0.000	2.000	132.18	0.00	264.36	87.12
150.0	CSS DUO4-8670	6	24.447	26.892	0.66	0.80	25.94	0.000	2.000	1,116.04	0.00	2,232.07	277.20
150.0	Ericsson RRUS 11	6	24.401	26.841	0.57	0.80	10.02	0.000	1.000	430.29	0.00	430.29	396.00
150.0	KMW AM-X-CD-16-65-	3	24.493	26.942	0.60	0.80	14.87	0.000	3.000	640.92	0.00	1,922.76	174.60
150.0	Platform	1	24.401	26.841	1.00	1.00	32.00	0.000	1.000	1,374.26	0.00	1,374.26	2,160.00
150.0	Raycap DC6-48-60-18-	1	24.401	26.841	1.00	1.00	1.47	0.000	1.000	63.13	0.00	63.13	38.16
										6,995.37			4,964.76

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
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Code : ANSI/TIA-222 Rev G  
 Struct Class : II  
 Exposure Category : B  
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**Load Case:** 1.2D + 1.6W      95.00 mph with No Ice      38 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

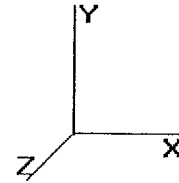
**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
4.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	15.364	0.024	0.000	0.00	2.95
4.50	(1) 1/2" Coax	Yes	0.50	0.000	0.63	0.03	0.00	15.364	0.024	0.000	0.00	0.09
6.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.072	0.000	0.00	8.85
6.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.072	0.000	0.00	0.27
7.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.072	0.000	0.00	8.85
7.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.072	0.000	0.00	0.27
9.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.073	0.000	0.00	8.85
9.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.073	0.000	0.00	0.27
10.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.073	0.000	0.00	8.85
10.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.073	0.000	0.00	0.27
12.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.073	0.000	0.00	8.85
12.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.073	0.000	0.00	0.27
13.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.074	0.000	0.00	8.85
13.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.074	0.000	0.00	0.27
15.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.074	0.000	0.00	8.85
15.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.074	0.000	0.00	0.27
16.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.075	0.000	0.00	8.85
16.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.075	0.000	0.00	0.27
18.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.075	0.000	0.00	8.85
18.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.075	0.000	0.00	0.27
19.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.076	0.000	0.00	8.85
19.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.076	0.000	0.00	0.27
21.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.077	0.000	0.00	8.85
21.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.077	0.000	0.00	0.27
22.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.077	0.000	0.00	8.85
22.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.077	0.000	0.00	0.27
24.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.078	0.000	0.00	8.85
24.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.078	0.000	0.00	0.27
25.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.078	0.000	0.00	8.85
25.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.078	0.000	0.00	0.27
27.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.079	0.000	0.00	8.85
27.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.079	0.000	0.00	0.27
28.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.079	0.000	0.00	8.85
28.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.079	0.000	0.00	0.27
30.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.377	0.080	0.000	0.00	8.85
30.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.377	0.080	0.000	0.00	0.27
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.593	0.080	0.000	0.00	8.86
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.593	0.080	0.000	0.00	0.27
33.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.802	0.081	0.000	0.00	8.85
33.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.802	0.081	0.000	0.00	0.27
34.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	15.937	0.081	0.000	0.00	5.90
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.63	0.05	0.00	15.937	0.081	0.000	0.00	0.18
34.33	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.05	0.00	15.981	0.062	0.000	0.00	1.97
34.50	(6) 1 5/8" Coax	Yes	0.17	0.000	1.98	0.03	0.00	16.004	0.061	0.000	0.00	0.98
36.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.199	0.061	0.000	0.00	8.85
37.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.389	0.062	0.000	0.00	8.85
39.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.574	0.062	0.000	0.00	8.85
40.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.754	0.062	0.000	0.00	8.85
42.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.929	0.063	0.000	0.00	8.85
43.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.099	0.063	0.000	0.00	8.85
45.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.266	0.064	0.000	0.00	8.85

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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**

95.00 mph with No Ice

38 Iterations

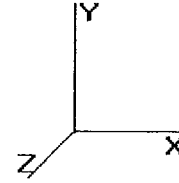
Gust Response Factor : 1.10  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

Wind Importance Factor : 1.00

46.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.428	0.064	0.000	0.00	8.85
48.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.587	0.065	0.000	0.00	8.85
49.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.742	0.065	0.000	0.00	8.85
51.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.894	0.066	0.000	0.00	8.85
52.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.043	0.066	0.000	0.00	8.85
54.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.189	0.067	0.000	0.00	8.85
55.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.332	0.067	0.000	0.00	8.85
57.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.472	0.068	0.000	0.00	8.85
58.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.610	0.069	0.000	0.00	8.85
60.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.745	0.069	0.000	0.00	8.85
61.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.878	0.070	0.000	0.00	8.85
63.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.008	0.070	0.000	0.00	8.85
64.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.136	0.071	0.000	0.00	8.85
66.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.262	0.071	0.000	0.00	8.85
67.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.386	0.072	0.000	0.00	8.85
69.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.509	0.073	0.000	0.00	8.85
70.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.16	0.00	19.589	0.073	0.000	0.00	5.90
70.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	19.629	0.073	0.000	0.00	2.95
72.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.747	0.074	0.000	0.00	8.85
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.864	0.075	0.000	0.00	8.85
73.58	(6) 1 5/8" Coax	Yes	0.08	0.000	1.98	0.01	0.00	19.870	0.075	0.000	0.00	0.49
75.00	(6) 1 5/8" Coax	Yes	1.42	0.000	1.98	0.23	0.00	19.979	0.074	0.000	0.00	8.36
76.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.092	0.074	0.000	0.00	8.85
78.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.204	0.075	0.000	0.00	8.85
79.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.314	0.076	0.000	0.00	8.85
81.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.423	0.076	0.000	0.00	8.85
82.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.530	0.077	0.000	0.00	8.85
84.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.636	0.078	0.000	0.00	8.85
85.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.741	0.079	0.000	0.00	8.85
87.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.844	0.079	0.000	0.00	8.85
88.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.946	0.080	0.000	0.00	8.85
90.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.047	0.081	0.000	0.00	8.85
91.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.147	0.082	0.000	0.00	8.85
93.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.245	0.082	0.000	0.00	8.85
94.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.343	0.083	0.000	0.00	8.85
96.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.439	0.084	0.000	0.00	8.85
97.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.534	0.085	0.000	0.00	8.85
99.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.628	0.086	0.000	0.00	8.85
100.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.721	0.087	0.000	0.00	8.85
102.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.814	0.088	0.000	0.00	8.85
103.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.905	0.088	0.000	0.00	8.85
105.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.995	0.089	0.000	0.00	8.85
106.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.084	0.090	0.000	0.00	8.85
108.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.173	0.091	0.000	0.00	8.85
109.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.260	0.092	0.000	0.00	8.85
110.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	22.289	0.093	0.000	0.00	2.95
111.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.347	0.093	0.000	0.00	5.90
112.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.433	0.094	0.000	0.00	8.85
114.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.518	0.095	0.000	0.00	8.85
115.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.602	0.097	0.000	0.00	8.85
117.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.686	0.098	0.000	0.00	8.85
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.741	0.099	0.000	0.00	5.90
118.5	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	22.768	0.099	0.000	0.00	2.95
120.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.850	0.100	0.000	0.00	8.85
121.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.932	0.101	1.003	0.00	8.85
123.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.012	0.102	1.007	0.00	8.85
124.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.092	0.104	1.011	0.00	8.85

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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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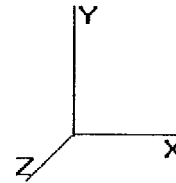
**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      38 Iterations  
**Gust Response Factor :** 1.10                      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 1.20  
**Wind Load Factor :** 1.60

126.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.171	0.105	1.015	0.00	8.85
127.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.250	0.106	1.019	0.00	8.85
128.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	23.276	0.107	1.021	0.00	2.95
<b>Totals:</b>											0.00	737.41

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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

95.00 mph with No Ice

38 Iterations

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

Wind Importance Factor : 1.00

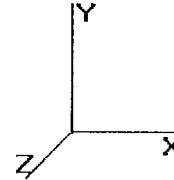
**Applied Segment Forces Summary**

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
1.50	125.58	300.06	0.00	0.00
3.00	124.79	298.39	0.00	0.00
4.50	124.00	302.38	0.00	0.00
6.00	123.21	312.03	0.00	0.00
7.50	122.41	310.36	0.00	0.00
9.00	121.62	308.69	0.00	0.00
10.50	120.83	307.01	0.00	0.00
12.00	120.04	305.34	0.00	0.00
13.50	119.25	303.67	0.00	0.00
15.00	118.46	301.99	0.00	0.00
16.50	117.66	300.32	0.00	0.00
18.00	116.87	298.65	0.00	0.00
19.50	116.08	296.97	0.00	0.00
21.00	115.29	295.30	0.00	0.00
22.50	114.50	293.63	0.00	0.00
24.00	113.71	291.95	0.00	0.00
25.50	112.91	290.28	0.00	0.00
27.00	112.12	288.61	0.00	0.00
28.50	111.33	286.93	0.00	0.00
30.00	110.63	285.25	0.00	0.00
31.50	113.60	478.82	0.00	0.00
33.00	114.31	475.74	0.00	0.00
34.00	160.67	387.45	0.00	14.08
34.33	25.45	104.78	0.00	0.00
34.50	12.73	27.33	0.00	0.00
36.00	115.51	245.17	0.00	0.00
37.50	116.02	243.78	0.00	0.00
39.00	116.48	242.39	0.00	0.00
40.50	116.88	240.99	0.00	0.00
42.00	117.23	239.60	0.00	0.00
43.50	117.53	238.20	0.00	0.00
45.00	117.78	236.81	0.00	0.00
46.50	117.99	235.41	0.00	0.00
48.00	118.16	234.02	0.00	0.00
49.50	118.29	232.62	0.00	0.00
51.00	118.38	231.23	0.00	0.00
52.50	118.44	229.84	0.00	0.00
54.00	118.45	228.44	0.00	0.00
55.50	118.44	227.05	0.00	0.00
57.00	118.40	225.65	0.00	0.00
58.50	118.32	224.26	0.00	0.00
60.00	118.21	222.86	0.00	0.00
61.50	118.08	221.47	0.00	0.00
63.00	117.91	220.07	0.00	0.00
64.50	117.72	218.68	0.00	0.00
66.00	117.50	217.29	0.00	0.00
67.50	117.26	215.89	0.00	0.00
69.00	117.00	214.50	0.00	0.00
70.00	77.75	142.21	0.00	0.00

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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**                      95.00 mph with No Ice                      38 Iterations  
 Gust Response Factor : 1.10                      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

70.50	39.54	114.09	0.00	0.00
72.00	118.64	340.54	0.00	0.00
73.50	118.32	338.03	0.00	0.00
73.58	6.54	18.69	0.00	0.00
75.00	111.40	170.67	0.00	0.00
76.50	117.61	179.62	0.00	0.00
78.00	117.22	178.51	0.00	0.00
79.50	116.81	177.39	0.00	0.00
81.00	116.39	176.27	0.00	0.00
82.50	115.94	175.16	0.00	0.00
84.00	115.48	174.04	0.00	0.00
85.50	114.99	172.93	0.00	0.00
87.00	114.49	171.81	0.00	0.00
88.50	113.97	170.70	0.00	0.00
90.00	113.44	169.58	0.00	0.00
91.50	112.88	168.47	0.00	0.00
93.00	112.31	167.35	0.00	0.00
94.50	111.73	166.23	0.00	0.00
96.00	111.13	165.12	0.00	0.00
97.50	110.51	164.00	0.00	0.00
99.00	109.88	162.89	0.00	0.00
100.5	109.23	161.77	0.00	0.00
102.0	108.57	160.66	0.00	0.00
103.5	107.90	159.54	0.00	0.00
105.0	107.21	158.43	0.00	0.00
106.5	106.51	157.31	0.00	0.00
108.0	105.79	156.20	0.00	0.00
109.5	105.06	155.08	0.00	0.00
110.0	34.81	51.44	0.00	0.00
111.0	69.42	86.07	0.00	0.00
112.5	103.56	128.40	0.00	0.00
114.0	102.80	127.57	0.00	0.00
115.5	102.02	126.73	0.00	0.00
117.0	101.22	125.89	0.00	0.00
118.0	1,354.99	458.10	0.00	0.00
118.5	33.34	38.97	0.00	0.00
120.0	99.60	116.35	0.00	0.00
121.5	99.11	115.52	0.00	0.00
123.0	98.63	114.68	0.00	0.00
124.5	98.14	113.84	0.00	0.00
126.0	97.64	113.01	0.00	0.00
127.5	97.13	112.17	0.00	0.00
128.0	551.01	372.24	0.00	0.00
129.0	62.85	68.23	0.00	0.00
130.5	93.58	101.64	0.00	0.00
132.0	92.67	100.80	0.00	0.00
133.5	91.76	99.97	0.00	0.00
135.0	90.84	99.13	0.00	0.00
136.5	89.90	98.29	0.00	0.00
138.0	1,360.30	1,105.46	0.00	0.00
139.5	88.00	70.06	0.00	0.00
141.0	87.04	69.22	0.00	0.00
142.5	86.07	68.38	0.00	0.00
144.0	85.08	67.55	0.00	0.00
145.5	84.09	66.71	0.00	0.00
147.0	83.09	65.87	0.00	0.00
148.5	82.08	65.04	0.00	0.00

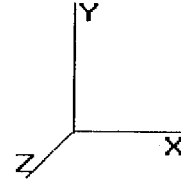


Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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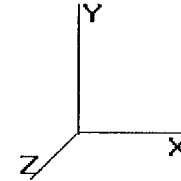
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<b>Load Case:</b> 1.2D + 1.6W	95.00 mph with No Ice		38 Iterations	
Gust Response Factor : 1.10			Wind Importance Factor : 1.00	
Dead Load Factor : 1.20				
Wind Load Factor : 1.60				

150.0	3,914.03	3,239.28	0.00	6,439.18
Totals:	17,976.08	25,298.06	0.00	6,453.26

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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



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<b>Load Case:</b> 1.2D + 1.6W	95.00 mph with No Ice	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

**Calculated Forces**

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-25.28	-18.00	0.00	-1,917.66	0.00	1,917.66	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.874
1.50	-24.94	-17.93	0.00	-1,890.66	0.00	1,890.66	3,045.79	1,522.90	4,438.99	2,192.25	0.02	-0.12	0.871
3.00	-24.61	-17.85	0.00	-1,863.77	0.00	1,863.77	3,033.07	1,516.53	4,391.90	2,168.99	0.07	-0.23	0.868
4.50	-24.27	-17.77	0.00	-1,837.00	0.00	1,837.00	3,020.25	1,510.13	4,344.91	2,145.79	0.17	-0.35	0.864
6.00	-23.92	-17.70	0.00	-1,810.34	0.00	1,810.34	3,007.35	1,503.68	4,298.05	2,122.64	0.30	-0.47	0.861
7.50	-23.58	-17.62	0.00	-1,783.79	0.00	1,783.79	2,994.36	1,497.18	4,251.30	2,099.56	0.46	-0.59	0.858
9.00	-23.23	-17.55	0.00	-1,757.36	0.00	1,757.36	2,981.29	1,490.65	4,204.68	2,076.53	0.67	-0.71	0.854
10.50	-22.89	-17.47	0.00	-1,731.04	0.00	1,731.04	2,968.13	1,484.07	4,158.18	2,053.57	0.91	-0.83	0.851
12.00	-22.55	-17.39	0.00	-1,704.84	0.00	1,704.84	2,954.88	1,477.44	4,111.81	2,030.67	1.19	-0.95	0.847
13.50	-22.21	-17.31	0.00	-1,678.75	0.00	1,678.75	2,941.55	1,470.77	4,065.57	2,007.83	1.51	-1.07	0.844
15.00	-21.88	-17.24	0.00	-1,652.78	0.00	1,652.78	2,928.13	1,464.06	4,019.45	1,985.06	1.86	-1.19	0.840
16.50	-21.54	-17.16	0.00	-1,626.93	0.00	1,626.93	2,914.62	1,457.31	3,973.48	1,962.35	2.26	-1.31	0.837
18.00	-21.21	-17.08	0.00	-1,601.19	0.00	1,601.19	2,901.03	1,450.51	3,927.64	1,939.71	2.69	-1.44	0.833
19.50	-20.88	-17.00	0.00	-1,575.57	0.00	1,575.57	2,887.34	1,443.67	3,881.94	1,917.15	3.16	-1.56	0.829
21.00	-20.55	-16.92	0.00	-1,550.07	0.00	1,550.07	2,873.58	1,436.79	3,836.38	1,894.65	3.67	-1.68	0.825
22.50	-20.22	-16.84	0.00	-1,524.69	0.00	1,524.69	2,859.72	1,429.86	3,790.97	1,872.22	4.22	-1.81	0.822
24.00	-19.90	-16.76	0.00	-1,499.42	0.00	1,499.42	2,845.78	1,422.89	3,745.70	1,849.86	4.81	-1.93	0.818
25.50	-19.58	-16.68	0.00	-1,474.28	0.00	1,474.28	2,828.47	1,414.23	3,696.29	1,825.46	5.44	-2.06	0.815
27.00	-19.26	-16.60	0.00	-1,449.25	0.00	1,449.25	2,808.33	1,404.17	3,643.55	1,799.41	6.10	-2.19	0.812
28.50	-18.94	-16.52	0.00	-1,424.35	0.00	1,424.35	2,788.19	1,394.10	3,591.18	1,773.55	6.81	-2.31	0.810
30.00	-18.62	-16.44	0.00	-1,399.57	0.00	1,399.57	2,768.06	1,384.03	3,539.19	1,747.87	7.56	-2.44	0.808
31.50	-18.11	-16.35	0.00	-1,374.90	0.00	1,374.90	2,747.92	1,373.96	3,487.58	1,722.38	8.34	-2.57	0.805
33.00	-17.61	-16.24	0.00	-1,350.38	0.00	1,350.38	2,727.78	1,363.89	3,436.34	1,697.08	9.17	-2.70	0.802
34.00	-17.21	-16.08	0.00	-1,334.12	0.00	1,334.12	2,714.36	1,357.18	3,402.40	1,680.32	9.74	-2.78	0.800
34.33	-17.10	-16.06	0.00	-1,328.76	0.00	1,328.76	2,189.26	1,094.63	2,807.80	1,386.67	9.94	-2.81	0.966
34.50	-17.05	-16.07	0.00	-1,326.09	0.00	1,326.09	2,188.15	1,094.08	2,804.09	1,384.84	10.04	-2.82	0.966
36.00	-16.78	-15.98	0.00	-1,301.98	0.00	1,301.98	2,178.16	1,089.08	2,770.78	1,368.39	10.95	-2.97	0.959
37.50	-16.50	-15.90	0.00	-1,278.01	0.00	1,278.01	2,168.07	1,084.04	2,737.55	1,351.97	11.90	-3.12	0.953
39.00	-16.22	-15.81	0.00	-1,254.17	0.00	1,254.17	2,157.90	1,078.95	2,704.40	1,335.60	12.91	-3.26	0.947
40.50	-15.95	-15.72	0.00	-1,230.45	0.00	1,230.45	2,147.65	1,073.82	2,671.33	1,319.27	13.95	-3.41	0.940
42.00	-15.68	-15.63	0.00	-1,206.88	0.00	1,206.88	2,137.30	1,068.65	2,638.34	1,302.98	15.05	-3.55	0.934
43.50	-15.41	-15.53	0.00	-1,183.44	0.00	1,183.44	2,126.87	1,063.44	2,605.45	1,286.73	16.19	-3.70	0.927
45.00	-15.14	-15.44	0.00	-1,160.13	0.00	1,160.13	2,116.36	1,058.18	2,572.65	1,270.53	17.37	-3.85	0.920
46.50	-14.87	-15.35	0.00	-1,136.97	0.00	1,136.97	2,105.75	1,052.88	2,539.94	1,254.38	18.61	-4.00	0.914
48.00	-14.61	-15.25	0.00	-1,113.96	0.00	1,113.96	2,095.06	1,047.53	2,507.32	1,238.27	19.88	-4.15	0.907
49.50	-14.34	-15.15	0.00	-1,091.08	0.00	1,091.08	2,084.29	1,042.14	2,474.81	1,222.21	21.21	-4.30	0.900
51.00	-14.08	-15.05	0.00	-1,068.36	0.00	1,068.36	2,073.42	1,036.71	2,442.39	1,206.21	22.58	-4.45	0.893
52.50	-13.82	-14.95	0.00	-1,045.78	0.00	1,045.78	2,062.47	1,031.24	2,410.08	1,190.25	24.00	-4.60	0.886
54.00	-13.57	-14.85	0.00	-1,023.35	0.00	1,023.35	2,051.44	1,025.72	2,377.87	1,174.34	25.47	-4.75	0.878
55.50	-13.31	-14.75	0.00	-1,001.07	0.00	1,001.07	2,040.31	1,020.16	2,345.78	1,158.49	26.98	-4.90	0.871
57.00	-13.06	-14.65	0.00	-978.95	0.00	978.95	2,029.10	1,014.55	2,313.79	1,142.69	28.54	-5.05	0.863
58.50	-12.81	-14.54	0.00	-956.98	0.00	956.98	2,017.80	1,008.90	2,281.91	1,126.95	30.15	-5.20	0.856
60.00	-12.56	-14.44	0.00	-935.17	0.00	935.17	2,006.42	1,003.21	2,250.16	1,111.27	31.80	-5.35	0.848
61.50	-12.31	-14.33	0.00	-913.51	0.00	913.51	1,994.95	997.48	2,218.52	1,095.64	33.51	-5.50	0.840
63.00	-12.07	-14.23	0.00	-892.01	0.00	892.01	1,983.39	991.70	2,186.99	1,080.07	35.26	-5.65	0.832
64.50	-11.82	-14.12	0.00	-870.67	0.00	870.67	1,971.75	985.87	2,155.59	1,064.57	37.05	-5.80	0.824
66.00	-11.58	-14.01	0.00	-849.50	0.00	849.50	1,954.97	977.48	2,118.85	1,046.42	38.90	-5.96	0.818
67.50	-11.34	-13.90	0.00	-828.49	0.00	828.49	1,938.18	969.09	2,082.42	1,028.43	40.79	-6.11	0.812
69.00	-11.11	-13.79	0.00	-807.64	0.00	807.64	1,921.40	960.70	2,046.30	1,010.59	42.73	-6.26	0.805
70.00	-10.96	-13.71	0.00	-793.85	0.00	793.85	1,910.22	955.11	2,022.40	998.79	44.05	-6.36	0.801
70.50	-10.83	-13.67	0.00	-787.00	0.00	787.00	1,904.62	952.31	2,010.50	992.91	44.72	-6.41	0.799

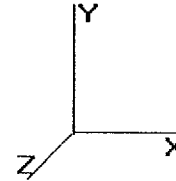
Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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**

95.00 mph with No Ice

38 Iterations

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

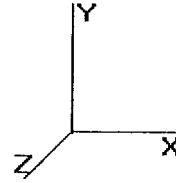
Wind Importance Factor : 1.00

72.00	-10.47	-13.55	0.00	-766.49	0.00	766.49	1,887.84	943.92	1,975.02	975.39	46.75	-6.57	0.792
73.50	-10.12	-13.40	0.00	-746.17	0.00	746.17	1,871.06	935.53	1,939.85	958.02	48.84	-6.72	0.784
73.58	-10.09	-13.41	0.00	-745.05	0.00	745.05	1,431.04	715.52	1,520.04	750.69	48.95	-6.73	1.000
75.00	-9.90	-13.31	0.00	-726.06	0.00	726.06	1,423.81	711.90	1,499.70	740.64	50.97	-6.87	0.988
76.50	-9.69	-13.20	0.00	-706.10	0.00	706.10	1,416.06	708.03	1,478.21	730.03	53.15	-7.05	0.974
78.00	-9.49	-13.09	0.00	-686.30	0.00	686.30	1,408.23	704.11	1,456.78	719.45	55.39	-7.23	0.961
79.50	-9.29	-12.98	0.00	-666.67	0.00	666.67	1,400.31	700.15	1,435.40	708.89	57.68	-7.40	0.947
81.00	-9.09	-12.87	0.00	-647.20	0.00	647.20	1,392.30	696.15	1,414.09	698.37	60.03	-7.58	0.934
82.50	-8.89	-12.76	0.00	-627.90	0.00	627.90	1,384.21	692.10	1,392.84	687.87	62.43	-7.76	0.920
84.00	-8.69	-12.65	0.00	-608.77	0.00	608.77	1,376.03	688.01	1,371.66	677.41	64.89	-7.93	0.905
85.50	-8.50	-12.53	0.00	-589.80	0.00	589.80	1,367.76	683.88	1,350.54	666.98	67.40	-8.11	0.891
87.00	-8.31	-12.42	0.00	-571.00	0.00	571.00	1,359.41	679.70	1,329.50	656.59	69.97	-8.29	0.876
88.50	-8.12	-12.31	0.00	-552.37	0.00	552.37	1,350.96	675.48	1,308.53	646.23	72.59	-8.46	0.861
90.00	-7.93	-12.20	0.00	-533.90	0.00	533.90	1,342.44	671.22	1,287.63	635.91	75.27	-8.63	0.846
91.50	-7.75	-12.08	0.00	-515.61	0.00	515.61	1,333.82	666.91	1,266.81	625.63	78.00	-8.80	0.830
93.00	-7.56	-11.97	0.00	-497.49	0.00	497.49	1,325.12	662.56	1,246.08	615.39	80.78	-8.98	0.814
94.50	-7.38	-11.85	0.00	-479.54	0.00	479.54	1,316.34	658.17	1,225.42	605.19	83.62	-9.15	0.798
96.00	-7.20	-11.74	0.00	-461.76	0.00	461.76	1,307.46	653.73	1,204.86	595.03	86.50	-9.31	0.782
97.50	-7.02	-11.62	0.00	-444.15	0.00	444.15	1,298.50	649.25	1,184.38	584.92	89.44	-9.48	0.765
99.00	-6.85	-11.51	0.00	-426.72	0.00	426.72	1,289.45	644.73	1,163.99	574.85	92.44	-9.65	0.748
100.50	-6.68	-11.39	0.00	-409.46	0.00	409.46	1,280.32	640.16	1,143.69	564.83	95.48	-9.81	0.730
102.00	-6.50	-11.27	0.00	-392.37	0.00	392.37	1,271.10	635.55	1,123.49	554.85	98.57	-9.98	0.713
103.50	-6.33	-11.16	0.00	-375.46	0.00	375.46	1,261.73	630.87	1,103.34	544.90	101.72	-10.14	0.694
105.00	-6.17	-11.04	0.00	-358.73	0.00	358.73	1,248.31	624.15	1,079.85	533.30	104.91	-10.29	0.678
106.50	-6.00	-10.93	0.00	-342.16	0.00	342.16	1,234.88	617.44	1,056.61	521.82	108.15	-10.45	0.661
108.00	-5.84	-10.81	0.00	-325.78	0.00	325.78	1,221.46	610.73	1,033.63	510.47	111.44	-10.60	0.643
109.50	-5.69	-10.69	0.00	-309.56	0.00	309.56	1,208.03	604.02	1,010.90	499.24	114.78	-10.76	0.625
110.00	-5.63	-10.65	0.00	-304.22	0.00	304.22	1,203.56	601.78	1,003.38	495.53	115.90	-10.81	0.619
110.00	-5.63	-10.65	0.00	-304.22	0.00	304.22	829.71	414.85	695.98	343.72	115.90	-10.81	0.893
111.00	-5.53	-10.58	0.00	-293.57	0.00	293.57	826.14	413.07	687.80	339.68	118.16	-10.91	0.872
112.50	-5.39	-10.47	0.00	-277.70	0.00	277.70	820.71	410.35	675.55	333.63	121.60	-11.10	0.840
114.00	-5.25	-10.36	0.00	-262.00	0.00	262.00	815.19	407.60	663.34	327.60	125.09	-11.29	0.807
115.50	-5.12	-10.25	0.00	-246.45	0.00	246.45	809.59	404.79	651.16	321.58	128.65	-11.47	0.773
117.00	-4.99	-10.14	0.00	-231.07	0.00	231.07	803.90	401.95	639.02	315.59	132.25	-11.65	0.739
118.00	-4.80	-8.73	0.00	-220.93	0.00	220.93	800.06	400.03	630.94	311.60	134.69	-11.76	0.715
118.50	-4.75	-8.70	0.00	-216.56	0.00	216.56	798.12	399.06	626.91	309.61	135.91	-11.82	0.706
120.00	-4.63	-8.59	0.00	-203.52	0.00	203.52	792.26	396.13	614.85	303.65	139.63	-11.99	0.677
121.50	-4.52	-8.48	0.00	-190.63	0.00	190.63	786.31	393.16	602.83	297.72	143.39	-12.15	0.647
123.00	-4.40	-8.37	0.00	-177.91	0.00	177.91	780.28	390.14	590.86	291.80	147.21	-12.31	0.616
124.50	-4.29	-8.26	0.00	-165.35	0.00	165.35	774.15	387.08	578.94	285.92	151.07	-12.46	0.584
126.00	-4.18	-8.16	0.00	-152.95	0.00	152.95	767.95	383.97	567.07	280.05	154.98	-12.61	0.552
127.50	-4.08	-8.04	0.00	-140.72	0.00	140.72	761.65	380.82	555.25	274.22	158.93	-12.75	0.519
128.00	-3.83	-7.43	0.00	-136.69	0.00	136.69	759.53	379.77	551.32	272.28	160.26	-12.80	0.507
129.00	-3.76	-7.36	0.00	-129.27	0.00	129.27	755.27	377.63	543.49	268.41	162.92	-12.89	0.487
130.50	-3.67	-7.25	0.00	-118.23	0.00	118.23	748.80	374.40	531.78	262.63	166.96	-13.01	0.455
132.00	-3.58	-7.15	0.00	-107.35	0.00	107.35	742.24	371.12	520.14	256.88	171.03	-13.14	0.423
133.50	-3.49	-7.04	0.00	-96.63	0.00	96.63	735.60	367.80	508.56	251.16	175.14	-13.25	0.390
135.00	-3.40	-6.94	0.00	-86.07	0.00	86.07	728.87	364.43	497.05	245.47	179.28	-13.36	0.356
136.50	-3.31	-6.83	0.00	-75.66	0.00	75.66	722.05	361.03	485.60	239.82	183.46	-13.46	0.320
138.00	-2.55	-5.25	0.00	-65.42	0.00	65.42	715.15	357.58	474.23	234.20	187.66	-13.54	0.283
139.50	-2.49	-5.16	0.00	-57.53	0.00	57.53	707.44	353.72	462.46	228.39	191.89	-13.63	0.256
141.00	-2.44	-5.06	0.00	-49.80	0.00	49.80	697.37	348.68	449.31	221.90	196.14	-13.70	0.228
142.50	-2.39	-4.96	0.00	-42.21	0.00	42.21	687.30	343.65	436.35	215.50	200.42	-13.77	0.200
144.00	-2.34	-4.86	0.00	-34.77	0.00	34.77	677.23	338.62	423.59	209.19	204.71	-13.82	0.170
145.50	-2.29	-4.77	0.00	-27.47	0.00	27.47	667.16	333.58	411.01	202.98	209.02	-13.87	0.139
147.00	-2.25	-4.67	0.00	-20.32	0.00	20.32	657.09	328.55	398.62	196.87	213.34	-13.91	0.107
148.50	-2.20	-4.58	0.00	-13.31	0.00	13.31	647.03	323.51	386.43	190.84	217.68	-13.94	0.073

Pole : 302473  
Location : EHFR - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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

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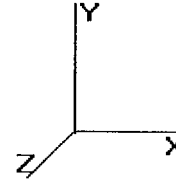
<b>Load Case:</b> 1.2D + 1.6W	95.00 mph with No Ice	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

150.00   0.00   -3.91   0.00   -6.44   0.00   6.44   636.96   318.48   374.42   184.91   222.02   -13.96   0.035

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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      95.00 mph with No Ice (Reduced DL)      38 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

**Shaft Segment Forces (Factored)**

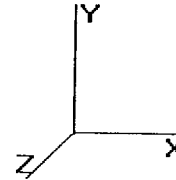
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	15.364	16.90	246.86	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.50		1.00	0.70	15.364	16.90	245.30	1.000	0.000	1.50	4.644	4.64	125.6	0.0	197.0
3.00		1.00	0.70	15.364	16.90	243.75	1.000	0.000	1.50	4.615	4.61	124.8	0.0	195.7
4.50		1.00	0.70	15.364	16.90	242.20	1.000	0.000	1.50	4.586	4.59	124.0	0.0	194.5
6.00		1.00	0.70	15.364	16.90	240.65	1.000	0.000	1.50	4.556	4.56	123.2	0.0	193.2
7.50		1.00	0.70	15.364	16.90	239.10	1.000	0.000	1.50	4.527	4.53	122.4	0.0	192.0
9.00		1.00	0.70	15.364	16.90	237.55	1.000	0.000	1.50	4.498	4.50	121.6	0.0	190.7
10.50		1.00	0.70	15.364	16.90	236.00	1.000	0.000	1.50	4.468	4.47	120.8	0.0	189.5
12.00		1.00	0.70	15.364	16.90	234.44	1.000	0.000	1.50	4.439	4.44	120.0	0.0	188.2
13.50		1.00	0.70	15.364	16.90	232.89	1.000	0.000	1.50	4.410	4.41	119.2	0.0	186.9
15.00		1.00	0.70	15.364	16.90	231.34	1.000	0.000	1.50	4.381	4.38	118.5	0.0	185.7
16.50		1.00	0.70	15.364	16.90	229.79	1.000	0.000	1.50	4.351	4.35	117.7	0.0	184.4
18.00		1.00	0.70	15.364	16.90	228.24	1.000	0.000	1.50	4.322	4.32	116.9	0.0	183.2
19.50		1.00	0.70	15.364	16.90	226.69	1.000	0.000	1.50	4.293	4.29	116.1	0.0	181.9
21.00		1.00	0.70	15.364	16.90	225.14	1.000	0.000	1.50	4.263	4.26	115.3	0.0	180.7
22.50		1.00	0.70	15.364	16.90	223.58	1.000	0.000	1.50	4.234	4.23	114.5	0.0	179.4
24.00		1.00	0.70	15.364	16.90	222.03	1.000	0.000	1.50	4.205	4.20	113.7	0.0	178.2
25.50		1.00	0.70	15.364	16.90	220.48	1.000	0.000	1.50	4.176	4.18	112.9	0.0	176.9
27.00		1.00	0.70	15.364	16.90	218.93	1.000	0.000	1.50	4.146	4.15	112.1	0.0	175.6
28.50		1.00	0.70	15.364	16.90	217.38	1.000	0.000	1.50	4.117	4.12	111.3	0.0	174.4
30.00	Bot - Section 2	1.00	0.70	15.377	16.91	215.92	1.000	0.000	1.50	4.088	4.09	110.6	0.0	173.1
31.50		1.00	0.71	15.593	17.15	215.87	1.000	0.000	1.50	4.140	4.14	113.6	0.0	318.3
33.00		1.00	0.72	15.802	17.38	215.73	1.000	0.000	1.50	4.110	4.11	114.3	0.0	316.0
34.00	Appertunance(s)	1.00	0.72	15.937	17.53	215.60	1.000	0.000	1.00	2.724	2.72	76.4	0.0	209.4
34.33	Top - Section 1	1.00	0.72	15.981	17.58	215.55	1.000	0.000	0.33	0.905	0.90	25.5	0.0	69.6
34.50		1.00	0.72	16.004	17.60	219.90	1.000	0.000	0.17	0.452	0.45	12.7	0.0	16.0
36.00		1.00	0.73	16.199	17.81	219.64	1.000	0.000	1.50	4.052	4.05	115.5	0.0	143.3
37.50		1.00	0.74	16.389	18.02	219.33	1.000	0.000	1.50	4.022	4.02	116.0	0.0	142.2
39.00		1.00	0.75	16.574	18.23	218.95	1.000	0.000	1.50	3.993	3.99	116.5	0.0	141.2
40.50		1.00	0.76	16.754	18.42	218.51	1.000	0.000	1.50	3.964	3.96	116.9	0.0	140.1
42.00		1.00	0.77	16.929	18.62	218.02	1.000	0.000	1.50	3.934	3.93	117.2	0.0	139.1
43.50		1.00	0.77	17.099	18.80	217.48	1.000	0.000	1.50	3.905	3.91	117.5	0.0	138.0
45.00		1.00	0.78	17.266	18.99	216.89	1.000	0.000	1.50	3.876	3.88	117.8	0.0	137.0
46.50		1.00	0.79	17.428	19.17	216.26	1.000	0.000	1.50	3.847	3.85	118.0	0.0	136.0
48.00		1.00	0.80	17.587	19.34	215.58	1.000	0.000	1.50	3.817	3.82	118.2	0.0	134.9
49.50		1.00	0.80	17.742	19.51	214.86	1.000	0.000	1.50	3.788	3.79	118.3	0.0	133.9
51.00		1.00	0.81	17.894	19.68	214.11	1.000	0.000	1.50	3.759	3.76	118.4	0.0	132.8
52.50		1.00	0.82	18.043	19.84	213.31	1.000	0.000	1.50	3.730	3.73	118.4	0.0	131.8
54.00		1.00	0.82	18.189	20.00	212.49	1.000	0.000	1.50	3.700	3.70	118.5	0.0	130.7
55.50		1.00	0.83	18.332	20.16	211.63	1.000	0.000	1.50	3.671	3.67	118.4	0.0	129.7
57.00		1.00	0.84	18.472	20.31	210.73	1.000	0.000	1.50	3.642	3.64	118.4	0.0	128.6
58.50		1.00	0.84	18.610	20.47	209.81	1.000	0.000	1.50	3.612	3.61	118.3	0.0	127.6
60.00		1.00	0.85	18.745	20.61	208.85	1.000	0.000	1.50	3.583	3.58	118.2	0.0	126.5
61.50		1.00	0.86	18.878	20.76	207.87	1.000	0.000	1.50	3.554	3.55	118.1	0.0	125.5
63.00		1.00	0.86	19.008	20.90	206.86	1.000	0.000	1.50	3.525	3.52	117.9	0.0	124.5
64.50		1.00	0.87	19.136	21.05	205.83	1.000	0.000	1.50	3.495	3.50	117.7	0.0	123.4
66.00		1.00	0.87	19.262	21.18	204.77	1.000	0.000	1.50	3.466	3.47	117.5	0.0	122.4
67.50		1.00	0.88	19.386	21.32	203.68	1.000	0.000	1.50	3.437	3.44	117.3	0.0	121.3
69.00		1.00	0.88	19.509	21.45	202.58	1.000	0.000	1.50	3.407	3.41	117.0	0.0	120.3
70.00	Bot - Section 3	1.00	0.89	19.589	21.54	201.83	1.000	0.000	1.00	2.255	2.26	77.8	0.0	79.6
70.50		1.00	0.89	19.629	21.59	201.45	1.000	0.000	0.50	1.145	1.14	39.5	0.0	72.0

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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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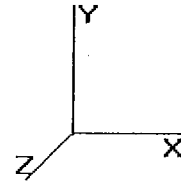
**Load Case:** 0.9D + 1.6W      95.00 mph with No Ice (Reduced DL)      38 Iterations  
**Gust Response Factor:** 1.10      **Wind Importance Factor:** 1.00  
**Dead Load Factor:** 0.90  
**Wind Load Factor:** 1.60

72.00		1.00	0.90	19.747	21.72	200.29	1.000	0.000	1.50	3.414	3.41	118.6	0.0	214.8
73.50		1.00	0.90	19.864	21.85	199.12	1.000	0.000	1.50	3.384	3.38	118.3	0.0	212.9
73.58	Top - Section 2	1.00	0.90	19.870	21.85	199.06	1.000	0.000	0.08	0.187	0.19	6.5	0.0	11.8
75.00		1.00	0.91	19.979	21.97	201.84	1.000	0.000	1.42	3.168	3.17	111.4	0.0	89.7
76.50		1.00	0.91	20.092	22.10	200.64	1.000	0.000	1.50	3.326	3.33	117.6	0.0	94.1
78.00		1.00	0.92	20.204	22.22	199.41	1.000	0.000	1.50	3.296	3.30	117.2	0.0	93.3
79.50		1.00	0.92	20.314	22.34	198.17	1.000	0.000	1.50	3.267	3.27	116.8	0.0	92.4
81.00		1.00	0.93	20.423	22.46	196.91	1.000	0.000	1.50	3.238	3.24	116.4	0.0	91.6
82.50		1.00	0.93	20.530	22.58	195.64	1.000	0.000	1.50	3.209	3.21	115.9	0.0	90.8
84.00		1.00	0.94	20.636	22.70	194.34	1.000	0.000	1.50	3.179	3.18	115.5	0.0	89.9
85.50		1.00	0.94	20.741	22.81	193.03	1.000	0.000	1.50	3.150	3.15	115.0	0.0	89.1
87.00		1.00	0.95	20.844	22.92	191.71	1.000	0.000	1.50	3.121	3.12	114.5	0.0	88.3
88.50		1.00	0.95	20.946	23.04	190.36	1.000	0.000	1.50	3.092	3.09	114.0	0.0	87.4
90.00		1.00	0.95	21.047	23.15	189.01	1.000	0.000	1.50	3.062	3.06	113.4	0.0	86.6
91.50		1.00	0.96	21.147	23.26	187.63	1.000	0.000	1.50	3.033	3.03	112.9	0.0	85.7
93.00		1.00	0.96	21.245	23.37	186.24	1.000	0.000	1.50	3.004	3.00	112.3	0.0	84.9
94.50		1.00	0.97	21.343	23.47	184.84	1.000	0.000	1.50	2.974	2.97	111.7	0.0	84.1
96.00		1.00	0.97	21.439	23.58	183.43	1.000	0.000	1.50	2.945	2.95	111.1	0.0	83.2
97.50		1.00	0.98	21.534	23.68	182.00	1.000	0.000	1.50	2.916	2.92	110.5	0.0	82.4
99.00		1.00	0.98	21.628	23.79	180.55	1.000	0.000	1.50	2.887	2.89	109.9	0.0	81.6
100.5		1.00	0.99	21.721	23.89	179.10	1.000	0.000	1.50	2.857	2.86	109.2	0.0	80.7
102.0		1.00	0.99	21.814	23.99	177.63	1.000	0.000	1.50	2.828	2.83	108.6	0.0	79.9
103.5		1.00	0.99	21.905	24.09	176.15	1.000	0.000	1.50	2.799	2.80	107.9	0.0	79.1
105.0		1.00	1.00	21.995	24.19	174.65	1.000	0.000	1.50	2.769	2.77	107.2	0.0	78.2
106.5		1.00	1.00	22.084	24.29	173.15	1.000	0.000	1.50	2.740	2.74	106.5	0.0	77.4
108.0		1.00	1.01	22.173	24.39	171.63	1.000	0.000	1.50	2.711	2.71	105.8	0.0	76.5
109.5		1.00	1.01	22.260	24.48	170.10	1.000	0.000	1.50	2.682	2.68	105.1	0.0	75.7
110.0	Top - Section 3	1.00	1.01	22.289	24.51	169.59	1.000	0.000	0.50	0.887	0.89	34.8	0.0	25.0
111.0		1.00	1.01	22.347	24.58	168.56	1.000	0.000	1.00	1.765	1.77	69.4	0.0	37.5
112.5		1.00	1.02	22.433	24.67	167.01	1.000	0.000	1.50	2.623	2.62	103.6	0.0	55.7
114.0		1.00	1.02	22.518	24.77	165.45	1.000	0.000	1.50	2.594	2.59	102.8	0.0	55.1
115.5		1.00	1.03	22.602	24.86	163.87	1.000	0.000	1.50	2.565	2.56	102.0	0.0	54.4
117.0		1.00	1.03	22.686	24.95	162.29	1.000	0.000	1.50	2.535	2.54	101.2	0.0	53.8
118.0	Appertunance(s)	1.00	1.03	22.741	25.01	161.23	1.000	0.000	1.00	1.674	1.67	67.0	0.0	35.5
118.5		1.00	1.03	22.768	25.04	160.70	1.000	0.000	0.50	0.832	0.83	33.3	0.0	17.7
120.0		1.00	1.04	22.850	25.13	159.10	1.000	0.000	1.50	2.477	2.48	99.6	0.0	52.6
121.5		1.00	1.04	22.932	25.22	157.48	1.000 *	0.000	1.50	2.447	2.45	98.8	0.0	51.9
123.0		1.00	1.04	23.012	25.31	155.86	1.000 *	0.000	1.50	2.418	2.42	97.9	0.0	51.3
124.5		1.00	1.05	23.092	25.40	154.23	1.000 *	0.000	1.50	2.389	2.39	97.1	0.0	50.7
126.0		1.00	1.05	23.171	25.48	152.59	1.000 *	0.000	1.50	2.360	2.36	96.2	0.0	50.0
127.5		1.00	1.05	23.250	25.57	150.94	1.000 *	0.000	1.50	2.330	2.33	95.4	0.0	49.4
128.0	Appertunance(s)	1.00	1.06	23.276	25.60	150.39	1.000 *	0.000	0.50	0.770	0.77	31.6	0.0	16.3
129.0		1.00	1.06	23.327	25.66	149.28	1.000	0.000	1.00	1.531	1.53	62.8	0.0	32.5
130.5		1.00	1.06	23.405	25.74	147.61	1.000	0.000	1.50	2.272	2.27	93.6	0.0	48.2
132.0		1.00	1.07	23.481	25.82	145.93	1.000	0.000	1.50	2.242	2.24	92.7	0.0	47.5
133.5		1.00	1.07	23.557	25.91	144.25	1.000	0.000	1.50	2.213	2.21	91.8	0.0	46.9
135.0		1.00	1.07	23.632	25.99	142.55	1.000	0.000	1.50	2.184	2.18	90.8	0.0	46.3
136.5		1.00	1.08	23.707	26.07	140.85	1.000	0.000	1.50	2.155	2.15	89.9	0.0	45.7
138.0	Appertunance(s)	1.00	1.08	23.781	26.15	139.14	1.000	0.000	1.50	2.125	2.13	89.0	0.0	45.0
139.5		1.00	1.08	23.855	26.24	137.42	1.000	0.000	1.50	2.096	2.10	88.0	0.0	44.4
141.0		1.00	1.09	23.928	26.32	135.70	1.000	0.000	1.50	2.067	2.07	87.0	0.0	43.8
142.5		1.00	1.09	24.000	26.40	133.96	1.000	0.000	1.50	2.038	2.04	86.1	0.0	43.1
144.0		1.00	1.09	24.072	26.47	132.22	1.000	0.000	1.50	2.008	2.01	85.1	0.0	42.5
145.5		1.00	1.10	24.144	26.55	130.47	1.000	0.000	1.50	1.979	1.98	84.1	0.0	41.9
147.0		1.00	1.10	24.214	26.63	128.72	1.000	0.000	1.50	1.950	1.95	83.1	0.0	41.3
148.5		1.00	1.10	24.285	26.71	126.95	1.000	0.000	1.50	1.920	1.92	82.1	0.0	40.6
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	125.18	1.000	0.000	1.50	1.891	1.89	81.1	0.0	40.0

Pole : 302473  
Location : EHFR - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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

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<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

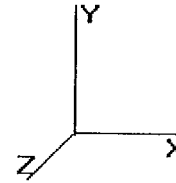
\* = Cf Adjusted By Linear Load Ra Effect

Totals:	150.00	10,974.8	0.0	11,601.6
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Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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 Struct Class : II  
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 Base Elev : 0.000 (ft)

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<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

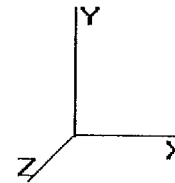
**Discrete Appurtenance Segment Forces (Factored)**

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)
34.00	GPS	1	16.004	17.604	1.00	1.00	1.00	0.000	0.500	28.17	0.00	14.08	9.00
34.00	Stand-off	1	15.937	17.531	1.00	1.00	2.00	0.000	0.000	56.10	0.00	0.00	45.00
118.0	Argus LLPX310R	3	22.741	25.015	0.55	0.80	8.00	0.000	0.000	320.13	0.00	0.00	77.22
118.0	Clearwire Mount	1	22.741	25.015	1.00	1.00	8.50	0.000	0.000	340.20	0.00	0.00	36.00
118.0	DragonWave A-ANT-	1	22.741	25.015	1.00	1.00	1.61	0.000	0.000	64.44	0.00	0.00	13.50
118.0	DragonWave A-ANT-	2	22.741	25.015	0.90	1.00	8.44	0.000	0.000	337.88	0.00	0.00	22.14
118.0	DragonWave Horizon	3	22.741	25.015	0.40	0.80	0.52	0.000	0.000	20.65	0.00	0.00	28.62
118.0	Generic 12" x 12" Ju	1	22.741	25.015	1.00	1.00	1.40	0.000	0.000	56.03	0.00	0.00	9.00
118.0	NextNet BTS-2500	3	22.741	25.015	0.58	0.80	3.71	0.000	0.000	148.66	0.00	0.00	94.50
128.0	Flush Mounts	1	23.276	25.603	1.00	1.00	3.50	0.000	0.000	143.38	0.00	0.00	180.00
128.0	RFS APXV18-206517S-	3	23.276	25.603	0.59	0.80	9.16	0.000	0.000	375.41	0.00	0.00	71.28
138.0	Decibel DB980F65E-M	9	23.781	26.159	0.60	0.80	20.25	0.000	0.000	847.56	0.00	0.00	81.00
138.0	T-Arms	3	23.781	26.159	0.56	0.75	10.13	0.000	0.000	423.78	0.00	0.00	675.00
150.0	6' Omni	1	24.447	26.892	1.00	1.00	1.77	0.000	2.000	76.16	0.00	152.31	31.50
150.0	ADC DD1900	6	24.447	26.892	0.40	0.80	3.07	0.000	2.000	132.18	0.00	264.36	65.34
150.0	CSS DUO4-8670	6	24.447	26.892	0.66	0.80	25.94	0.000	2.000	1,116.04	0.00	2,232.07	207.90
150.0	Ericsson RRUS 11	6	24.401	26.841	0.57	0.80	10.02	0.000	1.000	430.29	0.00	430.29	297.00
150.0	KMW AM-X-CD-16-65-	3	24.493	26.942	0.60	0.80	14.87	0.000	3.000	640.92	0.00	1,922.76	130.95
150.0	Platform	1	24.401	26.841	1.00	1.00	32.00	0.000	1.000	1,374.26	0.00	1,374.26	1,620.00
150.0	Raycap DC6-48-60-18-	1	24.401	26.841	1.00	1.00	1.47	0.000	1.000	63.13	0.00	63.13	28.62
										<b>6,995.37</b>			<b>3,723.57</b>



Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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 Shape : 12 Sides  
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Code: ANSI/TIA-222 Rev G  
 Struct Class : II  
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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

38 Iterations

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

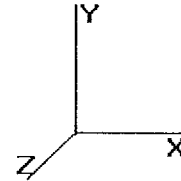
Wind Importance Factor : 1.00

**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
4.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	15.364	0.024	0.000	0.00	2.21
4.50	(1) 1/2" Coax	Yes	0.50	0.000	0.63	0.03	0.00	15.364	0.024	0.000	0.00	0.07
6.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.072	0.000	0.00	6.64
6.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.072	0.000	0.00	0.20
7.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.072	0.000	0.00	6.64
7.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.072	0.000	0.00	0.20
9.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.073	0.000	0.00	6.64
9.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.073	0.000	0.00	0.20
10.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.073	0.000	0.00	6.64
10.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.073	0.000	0.00	0.20
12.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.073	0.000	0.00	6.64
12.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.073	0.000	0.00	0.20
13.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.074	0.000	0.00	6.64
13.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.074	0.000	0.00	0.20
15.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.074	0.000	0.00	6.64
15.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.074	0.000	0.00	0.20
16.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.075	0.000	0.00	6.64
16.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.075	0.000	0.00	0.20
18.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.075	0.000	0.00	6.64
18.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.075	0.000	0.00	0.20
19.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.076	0.000	0.00	6.64
19.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.076	0.000	0.00	0.20
21.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.077	0.000	0.00	6.64
21.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.077	0.000	0.00	0.20
22.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.077	0.000	0.00	6.64
22.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.077	0.000	0.00	0.20
24.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.078	0.000	0.00	6.64
24.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.078	0.000	0.00	0.20
25.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.078	0.000	0.00	6.64
25.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.078	0.000	0.00	0.20
27.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.079	0.000	0.00	6.64
27.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.079	0.000	0.00	0.20
28.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.364	0.079	0.000	0.00	6.64
28.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.364	0.079	0.000	0.00	0.20
30.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.377	0.080	0.000	0.00	6.64
30.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.377	0.080	0.000	0.00	0.20
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.593	0.080	0.000	0.00	6.64
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.593	0.080	0.000	0.00	0.20
33.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.802	0.081	0.000	0.00	6.64
33.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	15.802	0.081	0.000	0.00	0.20
34.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	15.937	0.081	0.000	0.00	4.43
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.63	0.05	0.00	15.937	0.081	0.000	0.00	0.14
34.33	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.05	0.00	15.981	0.062	0.000	0.00	1.48
34.50	(6) 1 5/8" Coax	Yes	0.17	0.000	1.98	0.03	0.00	16.004	0.061	0.000	0.00	0.74
36.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.199	0.061	0.000	0.00	6.64
37.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.389	0.062	0.000	0.00	6.64
39.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.574	0.062	0.000	0.00	6.64
40.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.754	0.062	0.000	0.00	6.64
42.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	16.929	0.063	0.000	0.00	6.64
43.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.099	0.063	0.000	0.00	6.64
45.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.266	0.064	0.000	0.00	6.64

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
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**Load Case: 0.9D + 1.6W**

95.00 mph with No Ice (Reduced DL)

38 Iterations

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

Wind Importance Factor : 1.00

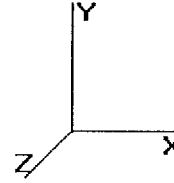
46.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.428	0.064	0.000	0.00	6.64
48.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.587	0.065	0.000	0.00	6.64
49.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.742	0.065	0.000	0.00	6.64
51.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.894	0.066	0.000	0.00	6.64
52.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.043	0.066	0.000	0.00	6.64
54.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.189	0.067	0.000	0.00	6.64
55.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.332	0.067	0.000	0.00	6.64
57.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.472	0.068	0.000	0.00	6.64
58.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.610	0.069	0.000	0.00	6.64
60.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.745	0.069	0.000	0.00	6.64
61.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.878	0.070	0.000	0.00	6.64
63.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.008	0.070	0.000	0.00	6.64
64.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.136	0.071	0.000	0.00	6.64
66.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.262	0.071	0.000	0.00	6.64
67.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.386	0.072	0.000	0.00	6.64
69.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.509	0.073	0.000	0.00	6.64
70.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.16	0.00	19.589	0.073	0.000	0.00	4.43
70.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	19.629	0.073	0.000	0.00	2.21
72.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.747	0.074	0.000	0.00	6.64
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.864	0.075	0.000	0.00	6.64
73.58	(6) 1 5/8" Coax	Yes	0.08	0.000	1.98	0.01	0.00	19.870	0.075	0.000	0.00	0.37
75.00	(6) 1 5/8" Coax	Yes	1.42	0.000	1.98	0.23	0.00	19.979	0.074	0.000	0.00	6.27
76.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.092	0.074	0.000	0.00	6.64
78.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.204	0.075	0.000	0.00	6.64
79.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.314	0.076	0.000	0.00	6.64
81.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.423	0.076	0.000	0.00	6.64
82.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.530	0.077	0.000	0.00	6.64
84.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.636	0.078	0.000	0.00	6.64
85.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.741	0.079	0.000	0.00	6.64
87.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.844	0.079	0.000	0.00	6.64
88.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.946	0.080	0.000	0.00	6.64
90.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.047	0.081	0.000	0.00	6.64
91.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.147	0.082	0.000	0.00	6.64
93.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.245	0.082	0.000	0.00	6.64
94.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.343	0.083	0.000	0.00	6.64
96.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.439	0.084	0.000	0.00	6.64
97.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.534	0.085	0.000	0.00	6.64
99.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.628	0.086	0.000	0.00	6.64
100.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.721	0.087	0.000	0.00	6.64
102.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.814	0.088	0.000	0.00	6.64
103.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.905	0.088	0.000	0.00	6.64
105.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.995	0.089	0.000	0.00	6.64
106.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.084	0.090	0.000	0.00	6.64
108.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.173	0.091	0.000	0.00	6.64
109.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.260	0.092	0.000	0.00	6.64
110.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	22.289	0.093	0.000	0.00	2.21
111.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.347	0.093	0.000	0.00	4.43
112.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.433	0.094	0.000	0.00	6.64
114.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.518	0.095	0.000	0.00	6.64
115.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.602	0.097	0.000	0.00	6.64
117.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.686	0.098	0.000	0.00	6.64
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.741	0.099	0.000	0.00	4.43
118.5	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	22.768	0.099	0.000	0.00	2.21
120.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.850	0.100	0.000	0.00	6.64
121.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.932	0.101	1.003	0.00	6.64
123.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.012	0.102	1.007	0.00	6.64
124.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.092	0.104	1.011	0.00	6.64

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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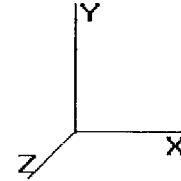
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<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

126.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.171	0.105	1.015	0.00	6.64
127.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.250	0.106	1.019	0.00	6.64
128.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	23.276	0.107	1.021	0.00	2.21
<b>Totals:</b>											0.00	553.06

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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      95.00 mph with No Ice (Reduced DL)      38 Iterations  
**Gust Response Factor:** 1.10      **Wind Importance Factor:** 1.00  
**Dead Load Factor:** 0.90  
**Wind Load Factor:** 1.60

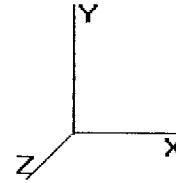
**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.50	125.58	225.05	0.00	0.00
3.00	124.79	223.79	0.00	0.00
4.50	124.00	226.78	0.00	0.00
6.00	123.21	234.02	0.00	0.00
7.50	122.41	232.77	0.00	0.00
9.00	121.62	231.51	0.00	0.00
10.50	120.83	230.26	0.00	0.00
12.00	120.04	229.00	0.00	0.00
13.50	119.25	227.75	0.00	0.00
15.00	118.46	226.49	0.00	0.00
16.50	117.66	225.24	0.00	0.00
18.00	116.87	223.98	0.00	0.00
19.50	116.08	222.73	0.00	0.00
21.00	115.29	221.47	0.00	0.00
22.50	114.50	220.22	0.00	0.00
24.00	113.71	218.96	0.00	0.00
25.50	112.91	217.71	0.00	0.00
27.00	112.12	216.45	0.00	0.00
28.50	111.33	215.20	0.00	0.00
30.00	110.63	213.94	0.00	0.00
31.50	113.60	359.11	0.00	0.00
33.00	114.31	356.80	0.00	0.00
34.00	160.67	290.59	0.00	14.08
34.33	25.45	78.58	0.00	0.00
34.50	12.73	20.50	0.00	0.00
36.00	115.51	183.88	0.00	0.00
37.50	116.02	182.83	0.00	0.00
39.00	116.48	181.79	0.00	0.00
40.50	116.88	180.74	0.00	0.00
42.00	117.23	179.70	0.00	0.00
43.50	117.53	178.65	0.00	0.00
45.00	117.78	177.61	0.00	0.00
46.50	117.99	176.56	0.00	0.00
48.00	118.16	175.51	0.00	0.00
49.50	118.29	174.47	0.00	0.00
51.00	118.38	173.42	0.00	0.00
52.50	118.44	172.38	0.00	0.00
54.00	118.45	171.33	0.00	0.00
55.50	118.44	170.29	0.00	0.00
57.00	118.40	169.24	0.00	0.00
58.50	118.32	168.19	0.00	0.00
60.00	118.21	167.15	0.00	0.00
61.50	118.08	166.10	0.00	0.00
63.00	117.91	165.06	0.00	0.00
64.50	117.72	164.01	0.00	0.00
66.00	117.50	162.96	0.00	0.00
67.50	117.26	161.92	0.00	0.00
69.00	117.00	160.87	0.00	0.00
70.00	77.75	106.66	0.00	0.00

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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      95.00 mph with No Ice (Reduced DL)      38 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

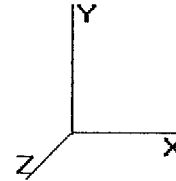
Wind Load Factor : 1.60

70.50	39.54	85.56	0.00	0.00
72.00	118.64	255.40	0.00	0.00
73.50	118.32	253.52	0.00	0.00
73.58	6.54	14.02	0.00	0.00
75.00	111.40	128.01	0.00	0.00
76.50	117.61	134.72	0.00	0.00
78.00	117.22	133.88	0.00	0.00
79.50	116.81	133.04	0.00	0.00
81.00	116.39	132.21	0.00	0.00
82.50	115.94	131.37	0.00	0.00
84.00	115.48	130.53	0.00	0.00
85.50	114.99	129.70	0.00	0.00
87.00	114.49	128.86	0.00	0.00
88.50	113.97	128.02	0.00	0.00
90.00	113.44	127.19	0.00	0.00
91.50	112.88	126.35	0.00	0.00
93.00	112.31	125.51	0.00	0.00
94.50	111.73	124.68	0.00	0.00
96.00	111.13	123.84	0.00	0.00
97.50	110.51	123.00	0.00	0.00
99.00	109.88	122.17	0.00	0.00
100.5	109.23	121.33	0.00	0.00
102.0	108.57	120.49	0.00	0.00
103.5	107.90	119.66	0.00	0.00
105.0	107.21	118.82	0.00	0.00
106.5	106.51	117.98	0.00	0.00
108.0	105.79	117.15	0.00	0.00
109.5	105.06	116.31	0.00	0.00
110.0	34.81	38.58	0.00	0.00
111.0	69.42	64.55	0.00	0.00
112.5	103.56	96.30	0.00	0.00
114.0	102.80	95.67	0.00	0.00
115.5	102.02	95.05	0.00	0.00
117.0	101.22	94.42	0.00	0.00
118.0	1,354.99	343.58	0.00	0.00
118.5	33.34	29.23	0.00	0.00
120.0	99.60	87.26	0.00	0.00
121.5	98.78	86.64	0.00	0.00
123.0	97.94	86.01	0.00	0.00
124.5	97.09	85.38	0.00	0.00
126.0	96.23	84.75	0.00	0.00
127.5	95.35	84.13	0.00	0.00
128.0	550.34	279.18	0.00	0.00
129.0	62.85	51.17	0.00	0.00
130.5	93.58	76.23	0.00	0.00
132.0	92.67	75.60	0.00	0.00
133.5	91.76	74.98	0.00	0.00
135.0	90.84	74.35	0.00	0.00
136.5	89.90	73.72	0.00	0.00
138.0	1,360.30	829.09	0.00	0.00
139.5	88.00	52.54	0.00	0.00
141.0	87.04	51.92	0.00	0.00
142.5	86.07	51.29	0.00	0.00
144.0	85.08	50.66	0.00	0.00
145.5	84.09	50.03	0.00	0.00
147.0	83.09	49.41	0.00	0.00
148.5	82.08	48.78	0.00	0.00

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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 Shape : 12 Sides  
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Code: ANSI/TIA-222 Rev G  
 Struct Class : II  
 Exposure Category : B  
 Topographic Category : 1  
 Base Elev : 0.000 (ft)

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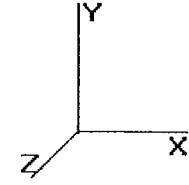
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<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

150.0		3,914.03	2,429.46	0.00	6,439.18
	Totals:	17,970.14	18,973.55	0.00	6,453.26

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

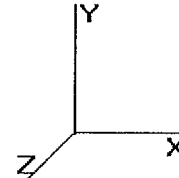
**Calculated Forces**

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	-18.95	-17.99	0.00	-1,873.29	0.00	1,873.29	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.852
1.50	-18.69	-17.90	0.00	-1,846.31	0.00	1,846.31	3,045.79	1,522.90	4,438.99	2,192.25	0.02	-0.11	0.848
3.00	-18.44	-17.81	0.00	-1,819.47	0.00	1,819.47	3,033.07	1,516.53	4,391.90	2,168.99	0.07	-0.23	0.845
4.50	-18.17	-17.72	0.00	-1,792.75	0.00	1,792.75	3,020.25	1,510.13	4,344.91	2,145.79	0.16	-0.34	0.842
6.00	-17.90	-17.63	0.00	-1,766.17	0.00	1,766.17	3,007.35	1,503.68	4,298.05	2,122.64	0.29	-0.46	0.838
7.50	-17.64	-17.54	0.00	-1,739.72	0.00	1,739.72	2,994.36	1,497.18	4,251.30	2,099.56	0.45	-0.57	0.835
9.00	-17.37	-17.46	0.00	-1,713.40	0.00	1,713.40	2,981.29	1,490.65	4,204.68	2,076.53	0.65	-0.69	0.831
10.50	-17.11	-17.37	0.00	-1,687.22	0.00	1,687.22	2,968.13	1,484.07	4,158.18	2,053.57	0.89	-0.81	0.828
12.00	-16.85	-17.28	0.00	-1,661.17	0.00	1,661.17	2,954.88	1,477.44	4,111.81	2,030.67	1.16	-0.93	0.824
13.50	-16.58	-17.19	0.00	-1,635.25	0.00	1,635.25	2,941.55	1,470.77	4,065.57	2,007.83	1.47	-1.04	0.820
15.00	-16.32	-17.10	0.00	-1,609.47	0.00	1,609.47	2,928.13	1,464.06	4,019.45	1,985.06	1.82	-1.16	0.817
16.50	-16.07	-17.01	0.00	-1,583.82	0.00	1,583.82	2,914.62	1,457.31	3,973.48	1,962.35	2.20	-1.28	0.813
18.00	-15.81	-16.92	0.00	-1,558.30	0.00	1,558.30	2,901.03	1,450.51	3,927.64	1,939.71	2.62	-1.40	0.809
19.50	-15.55	-16.83	0.00	-1,532.92	0.00	1,532.92	2,887.34	1,443.67	3,881.94	1,917.15	3.08	-1.52	0.805
21.00	-15.30	-16.74	0.00	-1,507.67	0.00	1,507.67	2,873.58	1,436.79	3,836.38	1,894.65	3.58	-1.64	0.801
22.50	-15.05	-16.66	0.00	-1,482.55	0.00	1,482.55	2,859.72	1,429.86	3,790.97	1,872.22	4.12	-1.76	0.797
24.00	-14.80	-16.57	0.00	-1,457.57	0.00	1,457.57	2,845.78	1,422.89	3,745.70	1,849.86	4.69	-1.88	0.793
25.50	-14.55	-16.48	0.00	-1,432.72	0.00	1,432.72	2,828.47	1,414.23	3,696.29	1,825.46	5.30	-2.01	0.790
27.00	-14.30	-16.39	0.00	-1,408.01	0.00	1,408.01	2,808.33	1,404.17	3,643.55	1,799.41	5.95	-2.13	0.788
28.50	-14.06	-16.30	0.00	-1,383.42	0.00	1,383.42	2,788.19	1,394.10	3,591.18	1,773.55	6.64	-2.25	0.785
30.00	-13.81	-16.21	0.00	-1,358.98	0.00	1,358.98	2,768.06	1,384.03	3,539.19	1,747.87	7.37	-2.38	0.783
31.50	-13.42	-16.11	0.00	-1,334.66	0.00	1,334.66	2,747.92	1,373.96	3,487.58	1,722.38	8.13	-2.50	0.780
33.00	-13.04	-16.00	0.00	-1,310.50	0.00	1,310.50	2,727.78	1,363.89	3,436.34	1,697.08	8.94	-2.62	0.777
34.00	-12.75	-15.84	0.00	-1,294.48	0.00	1,294.48	2,714.36	1,357.18	3,402.40	1,680.32	9.50	-2.71	0.775
34.33	-12.66	-15.82	0.00	-1,289.20	0.00	1,289.20	2,189.26	1,094.63	2,807.80	1,386.67	9.69	-2.74	0.936
34.50	-12.62	-15.82	0.00	-1,286.57	0.00	1,286.57	2,188.15	1,094.08	2,804.09	1,384.84	9.78	-2.75	0.935
36.00	-12.40	-15.73	0.00	-1,262.83	0.00	1,262.83	2,178.16	1,089.08	2,770.78	1,368.39	10.67	-2.89	0.929
37.50	-12.19	-15.63	0.00	-1,239.24	0.00	1,239.24	2,168.07	1,084.04	2,737.55	1,351.97	11.60	-3.03	0.922
39.00	-11.98	-15.54	0.00	-1,215.80	0.00	1,215.80	2,157.90	1,078.95	2,704.40	1,335.60	12.57	-3.17	0.916
40.50	-11.76	-15.44	0.00	-1,192.50	0.00	1,192.50	2,147.65	1,073.82	2,671.33	1,319.27	13.59	-3.31	0.910
42.00	-11.55	-15.34	0.00	-1,169.34	0.00	1,169.34	2,137.30	1,068.65	2,638.34	1,302.98	14.66	-3.46	0.903
43.50	-11.34	-15.24	0.00	-1,146.33	0.00	1,146.33	2,126.87	1,063.44	2,605.45	1,286.73	15.76	-3.60	0.896
45.00	-11.14	-15.14	0.00	-1,123.47	0.00	1,123.47	2,116.36	1,058.18	2,572.65	1,270.53	16.92	-3.74	0.890
46.50	-10.93	-15.04	0.00	-1,100.77	0.00	1,100.77	2,105.75	1,052.88	2,539.94	1,254.38	18.12	-3.89	0.883
48.00	-10.73	-14.93	0.00	-1,078.22	0.00	1,078.22	2,095.06	1,047.53	2,507.32	1,238.27	19.36	-4.03	0.876
49.50	-10.52	-14.83	0.00	-1,055.82	0.00	1,055.82	2,084.29	1,042.14	2,474.81	1,222.21	20.65	-4.17	0.869
51.00	-10.32	-14.72	0.00	-1,033.57	0.00	1,033.57	2,073.42	1,036.71	2,442.39	1,206.21	21.98	-4.32	0.862
52.50	-10.12	-14.62	0.00	-1,011.49	0.00	1,011.49	2,062.47	1,031.24	2,410.08	1,190.25	23.36	-4.46	0.855
54.00	-9.92	-14.51	0.00	-989.56	0.00	989.56	2,051.44	1,025.72	2,377.87	1,174.34	24.78	-4.61	0.848
55.50	-9.73	-14.40	0.00	-967.79	0.00	967.79	2,040.31	1,020.16	2,345.78	1,158.49	26.25	-4.76	0.840
57.00	-9.53	-14.30	0.00	-946.19	0.00	946.19	2,029.10	1,014.55	2,313.79	1,142.69	27.77	-4.90	0.833
58.50	-9.34	-14.19	0.00	-924.74	0.00	924.74	2,017.80	1,008.90	2,281.91	1,126.95	29.33	-5.05	0.825
60.00	-9.15	-14.08	0.00	-903.46	0.00	903.46	2,006.42	1,003.21	2,250.16	1,111.27	30.94	-5.19	0.818
61.50	-8.96	-13.97	0.00	-882.34	0.00	882.34	1,994.95	997.48	2,218.52	1,095.64	32.59	-5.34	0.810
63.00	-8.77	-13.86	0.00	-861.39	0.00	861.39	1,983.39	991.70	2,186.99	1,080.07	34.29	-5.49	0.802
64.50	-8.58	-13.75	0.00	-840.60	0.00	840.60	1,971.75	985.87	2,155.59	1,064.57	36.03	-5.63	0.794
66.00	-8.40	-13.64	0.00	-819.98	0.00	819.98	1,954.97	977.48	2,118.85	1,046.42	37.83	-5.78	0.788
67.50	-8.21	-13.52	0.00	-799.53	0.00	799.53	1,938.18	969.09	2,082.42	1,028.43	39.66	-5.93	0.782
69.00	-8.04	-13.41	0.00	-779.24	0.00	779.24	1,921.40	960.70	2,046.30	1,010.59	41.54	-6.07	0.775
70.00	-7.92	-13.33	0.00	-765.83	0.00	765.83	1,910.22	955.11	2,022.40	998.79	42.82	-6.17	0.771
70.50	-7.82	-13.29	0.00	-759.17	0.00	759.17	1,904.62	952.31	2,010.50	992.91	43.47	-6.22	0.769

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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      **95.00 mph with No Ice (Reduced DL)**      **38 Iterations**

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

**Dead Load Factor : 0.90**

**Wind Load Factor : 1.60**

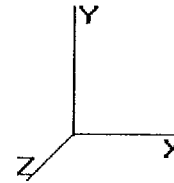
72.00	-7.54	-13.17	0.00	-739.23	0.00	739.23	1,887.84	943.92	1,975.02	975.39	45.45	-6.37	0.762
73.50	-7.29	-13.03	0.00	-719.47	0.00	719.47	1,871.06	935.53	1,939.85	958.02	47.47	-6.52	0.755
73.58	-7.26	-13.03	0.00	-718.39	0.00	718.39	1,431.04	715.52	1,520.04	750.69	47.58	-6.52	0.962
75.00	-7.11	-12.93	0.00	-699.92	0.00	699.92	1,423.81	711.90	1,499.70	740.64	49.53	-6.66	0.950
76.50	-6.95	-12.82	0.00	-680.53	0.00	680.53	1,416.06	708.03	1,478.21	730.03	51.65	-6.83	0.937
78.00	-6.79	-12.70	0.00	-661.31	0.00	661.31	1,408.23	704.11	1,456.78	719.45	53.82	-7.01	0.924
79.50	-6.64	-12.59	0.00	-642.26	0.00	642.26	1,400.31	700.15	1,435.40	708.89	56.04	-7.18	0.911
81.00	-6.48	-12.48	0.00	-623.37	0.00	623.37	1,392.30	696.15	1,414.09	698.37	58.32	-7.35	0.898
82.50	-6.33	-12.36	0.00	-604.65	0.00	604.65	1,384.21	692.10	1,392.84	687.87	60.65	-7.52	0.884
84.00	-6.18	-12.25	0.00	-586.11	0.00	586.11	1,376.03	688.01	1,371.66	677.41	63.03	-7.69	0.870
85.50	-6.03	-12.14	0.00	-567.73	0.00	567.73	1,367.76	683.88	1,350.54	666.98	65.46	-7.86	0.856
87.00	-5.88	-12.02	0.00	-549.52	0.00	549.52	1,359.41	679.70	1,329.50	656.59	67.95	-8.02	0.842
88.50	-5.74	-11.91	0.00	-531.49	0.00	531.49	1,350.96	675.48	1,308.53	646.23	70.49	-8.19	0.827
90.00	-5.60	-11.80	0.00	-513.62	0.00	513.62	1,342.44	671.22	1,287.63	635.91	73.08	-8.36	0.812
91.50	-5.45	-11.68	0.00	-495.93	0.00	495.93	1,333.82	666.91	1,266.81	625.63	75.72	-8.52	0.797
93.00	-5.31	-11.57	0.00	-478.41	0.00	478.41	1,325.12	662.56	1,246.08	615.39	78.42	-8.69	0.782
94.50	-5.17	-11.45	0.00	-461.06	0.00	461.06	1,316.34	658.17	1,225.42	605.19	81.16	-8.85	0.766
96.00	-5.04	-11.34	0.00	-443.88	0.00	443.88	1,307.46	653.73	1,204.86	595.03	83.96	-9.01	0.750
97.50	-4.90	-11.22	0.00	-426.88	0.00	426.88	1,298.50	649.25	1,184.38	584.92	86.81	-9.18	0.734
99.00	-4.77	-11.11	0.00	-410.04	0.00	410.04	1,289.45	644.73	1,163.99	574.85	89.70	-9.33	0.717
100.50	-4.64	-10.99	0.00	-393.38	0.00	393.38	1,280.32	640.16	1,143.69	564.83	92.65	-9.49	0.700
102.00	-4.51	-10.88	0.00	-376.89	0.00	376.89	1,271.10	635.55	1,123.49	554.85	95.64	-9.65	0.683
103.50	-4.38	-10.76	0.00	-360.58	0.00	360.58	1,261.73	630.87	1,103.34	544.90	98.68	-9.80	0.665
105.00	-4.25	-10.65	0.00	-344.43	0.00	344.43	1,248.31	624.15	1,079.85	533.30	101.77	-9.96	0.650
106.50	-4.13	-10.53	0.00	-328.46	0.00	328.46	1,234.88	617.44	1,056.61	521.82	104.91	-10.11	0.633
108.00	-4.00	-10.42	0.00	-312.66	0.00	312.66	1,221.46	610.73	1,033.63	510.47	108.09	-10.25	0.616
109.50	-3.89	-10.30	0.00	-297.03	0.00	297.03	1,208.03	604.02	1,010.90	499.24	111.32	-10.40	0.598
110.00	-3.85	-10.27	0.00	-291.88	0.00	291.88	1,203.56	601.78	1,003.38	495.53	112.40	-10.45	0.593
110.00	-3.85	-10.27	0.00	-291.88	0.00	291.88	829.71	414.85	695.98	343.72	112.40	-10.45	0.854
111.00	-3.77	-10.19	0.00	-281.62	0.00	281.62	826.14	413.07	687.80	339.68	114.59	-10.54	0.834
112.50	-3.66	-10.09	0.00	-266.32	0.00	266.32	820.71	410.35	675.55	333.63	117.91	-10.73	0.803
114.00	-3.56	-9.98	0.00	-251.19	0.00	251.19	815.19	407.60	663.34	327.60	121.29	-10.91	0.772
115.50	-3.45	-9.87	0.00	-236.23	0.00	236.23	809.59	404.79	651.16	321.58	124.73	-11.08	0.739
117.00	-3.36	-9.76	0.00	-221.42	0.00	221.42	803.90	401.95	639.02	315.59	128.21	-11.25	0.706
118.00	-3.27	-8.37	0.00	-211.66	0.00	211.66	800.06	400.03	630.94	311.60	130.57	-11.36	0.684
118.50	-3.23	-8.34	0.00	-207.47	0.00	207.47	798.12	399.06	626.91	309.61	131.75	-11.42	0.675
120.00	-3.15	-8.23	0.00	-194.97	0.00	194.97	792.26	396.13	614.85	303.65	135.34	-11.58	0.646
121.50	-3.06	-8.13	0.00	-182.62	0.00	182.62	786.31	393.16	602.83	297.72	138.98	-11.74	0.618
123.00	-2.97	-8.02	0.00	-170.43	0.00	170.43	780.28	390.14	590.86	291.80	142.67	-11.89	0.588
124.50	-2.89	-7.92	0.00	-158.40	0.00	158.40	774.15	387.08	578.94	285.92	146.40	-12.03	0.558
126.00	-2.81	-7.81	0.00	-146.53	0.00	146.53	767.95	383.97	567.07	280.05	150.17	-12.17	0.527
127.50	-2.74	-7.70	0.00	-134.81	0.00	134.81	761.65	380.82	555.25	274.22	153.99	-12.31	0.496
128.00	-2.57	-7.11	0.00	-130.96	0.00	130.96	759.53	379.77	551.32	272.28	155.27	-12.35	0.485
129.00	-2.52	-7.04	0.00	-123.85	0.00	123.85	755.27	377.63	543.49	268.41	157.85	-12.44	0.465
130.50	-2.45	-6.94	0.00	-113.29	0.00	113.29	748.80	374.40	531.78	262.63	161.75	-12.56	0.435
132.00	-2.39	-6.84	0.00	-102.88	0.00	102.88	742.24	371.12	520.14	256.88	165.68	-12.68	0.404
133.50	-2.32	-6.73	0.00	-92.63	0.00	92.63	735.60	367.80	508.56	251.16	169.65	-12.79	0.372
135.00	-2.26	-6.63	0.00	-82.53	0.00	82.53	728.87	364.43	497.05	245.47	173.65	-12.89	0.340
136.50	-2.20	-6.53	0.00	-72.57	0.00	72.57	722.05	361.03	485.60	239.82	177.68	-12.99	0.306
138.00	-1.69	-5.02	0.00	-62.78	0.00	62.78	715.15	357.58	474.23	234.20	181.74	-13.07	0.271
139.50	-1.65	-4.93	0.00	-55.24	0.00	55.24	707.44	353.72	462.46	228.39	185.83	-13.15	0.244
141.00	-1.61	-4.83	0.00	-47.85	0.00	47.85	697.37	348.68	449.31	221.90	189.93	-13.22	0.218
142.50	-1.58	-4.74	0.00	-40.60	0.00	40.60	687.30	343.65	436.35	215.50	194.06	-13.28	0.191
144.00	-1.55	-4.65	0.00	-33.49	0.00	33.49	677.23	338.62	423.59	209.19	198.20	-13.34	0.163
145.50	-1.51	-4.55	0.00	-26.52	0.00	26.52	667.16	333.58	411.01	202.98	202.37	-13.39	0.133
147.00	-1.48	-4.46	0.00	-19.69	0.00	19.69	657.09	328.55	398.62	196.87	206.54	-13.42	0.102
148.50	-1.45	-4.37	0.00	-13.00	0.00	13.00	647.03	323.51	386.43	190.84	210.72	-13.45	0.071



Pole : 302473  
Location : E HFR - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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

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<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	38 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

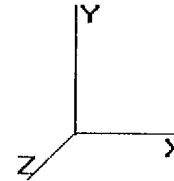
150.00    0.00    -3.91    0.00    -6.44    0.00    6.44    636.96    318.48    374.42    184.91    214.92    -13.47    0.035

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	39 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

### Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.50		1.00	0.70	4.256	4.682	0.000	1.200	1.468	1.50	5.011	6.01	28.2	106.2	368.8
3.00		1.00	0.70	4.256	4.682	0.000	1.200	1.574	1.50	5.008	6.01	28.1	113.4	374.4
4.50		1.00	0.70	4.256	4.682	0.000	1.200	1.639	1.50	4.995	5.99	28.1	117.6	376.9
6.00		1.00	0.70	4.256	4.682	0.000	1.200	1.687	1.50	4.978	5.97	28.0	120.4	378.1
7.50		1.00	0.70	4.256	4.682	0.000	1.200	1.725	1.50	4.958	5.95	27.9	122.5	378.5
9.00		1.00	0.70	4.256	4.682	0.000	1.200	1.756	1.50	4.937	5.92	27.7	124.1	378.4
10.50		1.00	0.70	4.256	4.682	0.000	1.200	1.784	1.50	4.914	5.90	27.6	125.3	377.9
12.00		1.00	0.70	4.256	4.682	0.000	1.200	1.808	1.50	4.891	5.87	27.5	126.3	377.2
13.50		1.00	0.70	4.256	4.682	0.000	1.200	1.829	1.50	4.867	5.84	27.3	127.1	376.3
15.00		1.00	0.70	4.256	4.682	0.000	1.200	1.848	1.50	4.843	5.81	27.2	127.7	375.3
16.50		1.00	0.70	4.256	4.682	0.000	1.200	1.866	1.50	4.818	5.78	27.1	128.1	374.1
18.00		1.00	0.70	4.256	4.682	0.000	1.200	1.882	1.50	4.793	5.75	26.9	128.5	372.7
19.50		1.00	0.70	4.256	4.682	0.000	1.200	1.898	1.50	4.767	5.72	26.8	128.7	371.3
21.00		1.00	0.70	4.256	4.682	0.000	1.200	1.912	1.50	4.741	5.69	26.6	128.9	369.8
22.50		1.00	0.70	4.256	4.682	0.000	1.200	1.925	1.50	4.715	5.66	26.5	129.0	368.2
24.00		1.00	0.70	4.256	4.682	0.000	1.200	1.937	1.50	4.689	5.63	26.3	129.0	366.6
25.50		1.00	0.70	4.256	4.682	0.000	1.200	1.949	1.50	4.663	5.60	26.2	129.0	364.9
27.00		1.00	0.70	4.256	4.682	0.000	1.200	1.960	1.50	4.636	5.56	26.0	128.9	363.1
28.50		1.00	0.70	4.256	4.682	0.000	1.200	1.971	1.50	4.610	5.53	25.9	128.8	361.3
30.00	Bot - Section 2	1.00	0.70	4.260	4.686	0.000	1.200	1.981	1.50	4.583	5.50	25.8	128.6	359.5
31.50		1.00	0.71	4.319	4.751	0.000	1.200	1.991	1.50	4.637	5.56	26.4	130.8	355.2
33.00		1.00	0.72	4.377	4.815	0.000	1.200	2.000	1.50	4.610	5.53	26.6	130.6	351.9
34.00	Appertunance(s)	1.00	0.72	4.415	4.856	0.000	1.200	2.006	1.00	3.058	3.67	17.8	86.9	366.1
34.33	Top - Section 1	1.00	0.72	4.427	4.870	0.000	1.200	2.008	0.33	1.017	1.22	5.9	29.0	121.7
34.50		1.00	0.72	4.433	4.876	0.000	1.200	2.009	0.17	0.508	0.61	3.0	14.5	35.8
36.00		1.00	0.73	4.487	4.936	0.000	1.200	2.017	1.50	4.556	5.47	27.0	130.0	321.1
37.50		1.00	0.74	4.540	4.994	0.000	1.200	2.026	1.50	4.529	5.43	27.1	129.7	319.3
39.00		1.00	0.75	4.591	5.050	0.000	1.200	2.034	1.50	4.501	5.40	27.3	129.3	317.6
40.50		1.00	0.76	4.641	5.105	0.000	1.200	2.041	1.50	4.474	5.37	27.4	129.0	315.8
42.00		1.00	0.77	4.689	5.158	0.000	1.200	2.049	1.50	4.447	5.34	27.5	128.6	314.0
43.50		1.00	0.77	4.737	5.210	0.000	1.200	2.056	1.50	4.419	5.30	27.6	128.1	312.2
45.00		1.00	0.78	4.783	5.261	0.000	1.200	2.063	1.50	4.392	5.27	27.7	127.7	310.4
46.50		1.00	0.79	4.828	5.311	0.000	1.200	2.070	1.50	4.364	5.24	27.8	127.2	308.5
48.00		1.00	0.80	4.872	5.359	0.000	1.200	2.076	1.50	4.336	5.20	27.9	126.7	306.6
49.50		1.00	0.80	4.915	5.406	0.000	1.200	2.083	1.50	4.309	5.17	28.0	126.2	304.7
51.00		1.00	0.81	4.957	5.453	0.000	1.200	2.089	1.50	4.281	5.14	28.0	125.7	302.8
52.50		1.00	0.82	4.998	5.498	0.000	1.200	2.095	1.50	4.253	5.10	28.1	125.2	300.9
54.00		1.00	0.82	5.039	5.542	0.000	1.200	2.101	1.50	4.225	5.07	28.1	124.6	298.9
55.50		1.00	0.83	5.078	5.586	0.000	1.200	2.107	1.50	4.198	5.04	28.1	124.1	297.0
57.00		1.00	0.84	5.117	5.629	0.000	1.200	2.112	1.50	4.170	5.00	28.2	123.5	295.0
58.50		1.00	0.84	5.155	5.671	0.000	1.200	2.118	1.50	4.142	4.97	28.2	122.9	293.0
60.00		1.00	0.85	5.193	5.712	0.000	1.200	2.123	1.50	4.114	4.94	28.2	122.3	291.0
61.50		1.00	0.86	5.229	5.752	0.000	1.200	2.128	1.50	4.086	4.90	28.2	121.7	289.0
63.00		1.00	0.86	5.265	5.792	0.000	1.200	2.134	1.50	4.058	4.87	28.2	121.1	287.0
64.50		1.00	0.87	5.301	5.831	0.000	1.200	2.139	1.50	4.030	4.84	28.2	120.4	285.0
66.00		1.00	0.87	5.336	5.869	0.000	1.200	2.144	1.50	4.002	4.80	28.2	119.8	282.9
67.50		1.00	0.88	5.370	5.907	0.000	1.200	2.148	1.50	3.974	4.77	28.2	119.1	280.9
69.00		1.00	0.88	5.404	5.944	0.000	1.200	2.153	1.50	3.946	4.73	28.1	118.5	278.8
70.00	Bot - Section 3	1.00	0.89	5.426	5.969	0.000	1.200	2.156	1.00	2.615	3.14	18.7	78.7	184.8
70.50		1.00	0.89	5.437	5.981	0.000	1.200	2.158	0.50	1.324	1.59	9.5	40.0	136.0

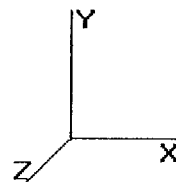
Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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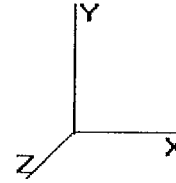
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	39 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

72.00	1.00	0.90	5.470	6.017	0.000	1.200	2.162	1.50	3.954	4.75	28.6	119.2	405.6	
73.50	1.00	0.90	5.502	6.053	0.000	1.200	2.167	1.50	3.926	4.71	28.5	118.5	402.4	
73.58	Top - Section 2	1.00	0.90	5.504	6.055	0.000	1.200	2.167	0.08	0.217	0.26	1.6	6.6	22.3
75.00		1.00	0.91	5.534	6.088	0.000	1.200	2.171	1.42	3.681	4.42	26.9	111.3	230.8
76.50		1.00	0.91	5.566	6.122	0.000	1.200	2.175	1.50	3.870	4.64	28.4	117.1	242.6
78.00		1.00	0.92	5.597	6.156	0.000	1.200	2.180	1.50	3.841	4.61	28.4	116.4	240.8
79.50		1.00	0.92	5.627	6.190	0.000	1.200	2.184	1.50	3.813	4.58	28.3	115.7	238.9
81.00		1.00	0.93	5.657	6.223	0.000	1.200	2.188	1.50	3.785	4.54	28.3	115.0	237.1
82.50		1.00	0.93	5.687	6.256	0.000	1.200	2.192	1.50	3.757	4.51	28.2	114.2	235.2
84.00		1.00	0.94	5.716	6.288	0.000	1.200	2.196	1.50	3.728	4.47	28.1	113.5	233.4
85.50		1.00	0.94	5.745	6.320	0.000	1.200	2.200	1.50	3.700	4.44	28.1	112.7	231.5
87.00		1.00	0.95	5.774	6.351	0.000	1.200	2.204	1.50	3.672	4.41	28.0	112.0	229.6
88.50		1.00	0.95	5.802	6.383	0.000	1.200	2.207	1.50	3.643	4.37	27.9	111.2	227.8
90.00		1.00	0.95	5.830	6.413	0.000	1.200	2.211	1.50	3.615	4.34	27.8	110.4	225.9
91.50		1.00	0.96	5.858	6.444	0.000	1.200	2.215	1.50	3.587	4.30	27.7	109.7	224.0
93.00		1.00	0.96	5.885	6.474	0.000	1.200	2.218	1.50	3.558	4.27	27.6	108.9	222.1
94.50		1.00	0.97	5.912	6.503	0.000	1.200	2.222	1.50	3.530	4.24	27.5	108.1	220.2
96.00		1.00	0.97	5.939	6.533	0.000	1.200	2.225	1.50	3.501	4.20	27.4	107.3	218.3
97.50		1.00	0.98	5.965	6.562	0.000	1.200	2.229	1.50	3.473	4.17	27.3	106.5	216.4
99.00		1.00	0.98	5.991	6.590	0.000	1.200	2.232	1.50	3.445	4.13	27.2	105.7	214.4
100.5		1.00	0.99	6.017	6.619	0.000	1.200	2.236	1.50	3.416	4.10	27.1	104.9	212.5
102.0		1.00	0.99	6.043	6.647	0.000	1.200	2.239	1.50	3.388	4.07	27.0	104.1	210.6
103.5		1.00	0.99	6.068	6.675	0.000	1.200	2.242	1.50	3.359	4.03	26.9	103.2	208.6
105.0		1.00	1.00	6.093	6.702	0.000	1.200	2.245	1.50	3.331	4.00	26.8	102.4	206.7
106.5		1.00	1.00	6.118	6.729	0.000	1.200	2.249	1.50	3.302	3.96	26.7	101.6	204.8
108.0		1.00	1.01	6.142	6.756	0.000	1.200	2.252	1.50	3.274	3.93	26.5	100.8	202.8
109.5		1.00	1.01	6.166	6.783	0.000	1.200	2.255	1.50	3.245	3.89	26.4	99.9	200.9
110.0	Top - Section 3	1.00	1.01	6.174	6.792	0.000	1.200	2.256	0.50	1.075	1.29	8.8	33.2	66.6
111.0		1.00	1.01	6.190	6.809	0.000	1.200	2.258	1.00	2.141	2.57	17.5	66.1	116.0
112.5		1.00	1.02	6.214	6.835	0.000	1.200	2.261	1.50	3.188	3.83	26.2	98.2	172.5
114.0		1.00	1.02	6.238	6.861	0.000	1.200	2.264	1.50	3.160	3.79	26.0	97.4	170.8
115.5		1.00	1.03	6.261	6.887	0.000	1.200	2.267	1.50	3.131	3.76	25.9	96.5	169.1
117.0		1.00	1.03	6.284	6.913	0.000	1.200	2.270	1.50	3.103	3.72	25.7	95.7	167.4
118.0	Appertunance(s)	1.00	1.03	6.299	6.929	0.000	1.200	2.272	1.00	2.053	2.46	17.1	63.4	110.8
118.5		1.00	1.03	6.307	6.938	0.000	1.200	2.273	0.50	1.021	1.23	8.5	31.6	55.1
120.0		1.00	1.04	6.330	6.963	0.000	1.200	2.276	1.50	3.046	3.65	25.4	93.9	164.0
121.5		1.00	1.04	6.352	6.987	0.000	1.200	2.278	1.50	3.017	3.62	25.3	93.0	162.3
123.0		1.00	1.04	6.375	7.012	0.000	1.200	2.281	1.50	2.988	3.59	25.1	92.2	160.6
124.5		1.00	1.05	6.397	7.036	0.000	1.200	2.284	1.50	2.960	3.55	25.0	91.3	158.9
126.0		1.00	1.05	6.419	7.060	0.000	1.200	2.287	1.50	2.931	3.52	24.8	90.4	157.1
127.5		1.00	1.05	6.440	7.084	0.000	1.200	2.289	1.50	2.903	3.48	24.7	89.5	155.4
128.0	Appertunance(s)	1.00	1.06	6.448	7.092	0.000	1.200	2.290	0.50	0.961	1.15	8.2	29.7	51.5
129.0		1.00	1.06	6.462	7.108	0.000	1.200	2.292	1.00	1.913	2.30	16.3	59.1	102.4
130.5		1.00	1.06	6.483	7.132	0.000	1.200	2.295	1.50	2.845	3.41	24.4	87.7	151.9
132.0		1.00	1.07	6.504	7.155	0.000	1.200	2.297	1.50	2.817	3.38	24.2	86.8	150.2
133.5		1.00	1.07	6.526	7.178	0.000	1.200	2.300	1.50	2.788	3.35	24.0	85.9	148.5
135.0		1.00	1.07	6.546	7.201	0.000	1.200	2.303	1.50	2.760	3.31	23.8	85.0	146.7
136.5		1.00	1.08	6.567	7.224	0.000	1.200	2.305	1.50	2.731	3.28	23.7	84.1	145.0
138.0	Appertunance(s)	1.00	1.08	6.588	7.246	0.000	1.200	2.308	1.50	2.702	3.24	23.5	83.2	143.2
139.5		1.00	1.08	6.608	7.269	0.000	1.200	2.310	1.50	2.674	3.21	23.3	82.3	141.5
141.0		1.00	1.09	6.628	7.291	0.000	1.200	2.313	1.50	2.645	3.17	23.1	81.4	139.7
142.5		1.00	1.09	6.648	7.313	0.000	1.200	2.315	1.50	2.616	3.14	23.0	80.4	138.0
144.0		1.00	1.09	6.668	7.335	0.000	1.200	2.317	1.50	2.588	3.11	22.8	79.5	136.2
145.5		1.00	1.10	6.688	7.357	0.000	1.200	2.320	1.50	2.559	3.07	22.6	78.6	134.4
147.0		1.00	1.10	6.708	7.378	0.000	1.200	2.322	1.50	2.530	3.04	22.4	77.7	132.7
148.5		1.00	1.10	6.727	7.400	0.000	1.200	2.325	1.50	2.502	3.00	22.2	76.7	130.9
150.0	Appertunance(s)	1.00	1.11	6.746	7.421	0.000	1.200	2.327	1.50	2.473	2.97	22.0	75.8	129.1

Pole : 302473  
Location : E H F R - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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

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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	39 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		

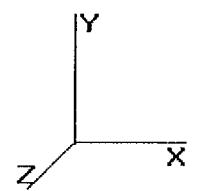
\* = Cf Adjusted By Linear Load Ra Effect

Totals: 150.00 2,666.0 11,103.7 26,572.5

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	39 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)
34.00	GPS	1	4.433	4.876	1.00	1.00	1.82	0.000	0.500	8.87	0.00	4.43	37.46
34.00	Stand-off	1	4.415	4.856	1.00	1.00	3.60	0.000	0.000	17.51	0.00	0.00	75.12
118.0	Argus LLPX310R	3	6.299	6.929	0.55	0.80	9.08	0.000	0.000	62.95	0.00	0.00	554.96
118.0	Clearwire Mount	1	6.299	6.929	1.00	1.00	17.77	0.000	0.000	123.13	0.00	0.00	81.62
118.0	DragonWave A-ANT-	1	6.299	6.929	1.00	1.00	2.60	0.000	0.000	18.00	0.00	0.00	53.99
118.0	DragonWave A-ANT-	2	6.299	6.929	0.90	1.00	11.43	0.000	0.000	79.23	0.00	0.00	59.74
118.0	DragonWave Horizon	3	6.299	6.929	0.40	0.80	1.31	0.000	0.000	9.11	0.00	0.00	106.95
118.0	Generic 12" x 12" Ju	1	6.299	6.929	1.00	1.00	2.50	0.000	0.000	17.35	0.00	0.00	76.33
118.0	NextNet BTS-2500	3	6.299	6.929	0.58	0.80	4.48	0.000	0.000	31.06	0.00	0.00	369.27
128.0	Flush Mounts	1	6.448	7.092	1.00	1.00	8.31	0.000	0.000	58.93	0.00	0.00	598.07
128.0	RFS APXV18-206517S-	3	6.448	7.092	0.59	0.80	12.12	0.000	0.000	85.97	0.00	0.00	602.00
138.0	Decibel DB980F65E-M	9	6.588	7.246	0.60	0.80	27.88	0.000	0.000	202.04	0.00	0.00	1,316.48
138.0	T-Arms	3	6.588	7.246	0.56	0.75	21.53	0.000	0.000	155.99	0.00	0.00	1,538.75
150.0	6' Omni	1	6.772	7.449	1.00	1.00	3.42	0.000	2.000	25.46	0.00	50.92	57.58
150.0	ADC DD1900	6	6.772	7.449	0.40	0.80	5.67	0.000	2.000	42.22	0.00	84.45	115.86
150.0	CSS DUO4-8670	6	6.772	7.449	0.66	0.80	28.52	0.000	2.000	212.45	0.00	424.91	1,717.88
150.0	Ericsson RRUS 11	6	6.759	7.435	0.57	0.80	11.61	0.000	1.000	86.35	0.00	86.35	1,092.01
150.0	KMW AM-X-CD-16-65-	3	6.785	7.463	0.60	0.80	17.61	0.000	3.000	131.44	0.00	394.32	981.40
150.0	Platform	1	6.759	7.435	1.00	1.00	61.79	0.000	1.000	459.38	0.00	459.38	3,135.41
150.0	Raycap DC6-48-60-18-	1	6.759	7.435	1.00	1.00	2.40	0.000	1.000	17.87	0.00	17.87	102.89
										<b>1,845.31</b>			<b>12,673.75</b>

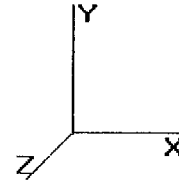
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**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      39 Iterations

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

Dead Load Factor : 1.20      Ice Importance Factor : 1.00

Wind Load Factor : 1.00

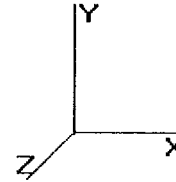
**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
4.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.22	0.00	4.256	0.024	0.000	0.00	13.14
4.50	(1) 1/2" Coax	Yes	0.50	0.000	0.63	0.16	0.00	4.256	0.024	0.000	0.00	2.15
6.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.67	0.00	4.256	0.072	0.000	0.00	40.39
6.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.50	0.00	4.256	0.072	0.000	0.00	6.77
7.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.68	0.00	4.256	0.072	0.000	0.00	41.15
7.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.51	0.00	4.256	0.072	0.000	0.00	7.04
9.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.69	0.00	4.256	0.073	0.000	0.00	41.80
9.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.52	0.00	4.256	0.073	0.000	0.00	7.26
10.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.69	0.00	4.256	0.073	0.000	0.00	42.35
10.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.52	0.00	4.256	0.073	0.000	0.00	7.46
12.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.70	0.00	4.256	0.073	0.000	0.00	42.84
12.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.53	0.00	4.256	0.073	0.000	0.00	7.64
13.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.70	0.00	4.256	0.074	0.000	0.00	43.28
13.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.54	0.00	4.256	0.074	0.000	0.00	7.79
15.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.71	0.00	4.256	0.074	0.000	0.00	43.68
15.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.54	0.00	4.256	0.074	0.000	0.00	7.94
16.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.71	0.00	4.256	0.075	0.000	0.00	44.04
16.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.55	0.00	4.256	0.075	0.000	0.00	8.07
18.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.72	0.00	4.256	0.075	0.000	0.00	44.38
18.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.55	0.00	4.256	0.075	0.000	0.00	8.20
19.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.72	0.00	4.256	0.076	0.000	0.00	44.70
19.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.55	0.00	4.256	0.076	0.000	0.00	8.31
21.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.73	0.00	4.256	0.077	0.000	0.00	44.99
21.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.56	0.00	4.256	0.077	0.000	0.00	8.42
22.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.73	0.00	4.256	0.077	0.000	0.00	45.27
22.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.56	0.00	4.256	0.077	0.000	0.00	8.52
24.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.73	0.00	4.256	0.078	0.000	0.00	45.53
24.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.56	0.00	4.256	0.078	0.000	0.00	8.62
25.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.73	0.00	4.256	0.078	0.000	0.00	45.78
25.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.57	0.00	4.256	0.078	0.000	0.00	8.71
27.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.74	0.00	4.256	0.079	0.000	0.00	46.01
27.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.57	0.00	4.256	0.079	0.000	0.00	8.80
28.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.74	0.00	4.256	0.079	0.000	0.00	46.23
28.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.57	0.00	4.256	0.079	0.000	0.00	8.89
30.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.74	0.00	4.260	0.080	0.000	0.00	46.45
30.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.57	0.00	4.260	0.080	0.000	0.00	8.97
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.75	0.00	4.319	0.080	0.000	0.00	46.65
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.58	0.00	4.319	0.080	0.000	0.00	9.05
33.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.75	0.00	4.377	0.081	0.000	0.00	46.85
33.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.58	0.00	4.377	0.081	0.000	0.00	9.12
34.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.50	0.00	4.415	0.081	0.000	0.00	31.32
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.63	0.39	0.00	4.415	0.081	0.000	0.00	6.11
34.33	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.17	0.00	4.427	0.062	0.000	0.00	10.45
34.50	(6) 1 5/8" Coax	Yes	0.17	0.000	1.98	0.08	0.00	4.433	0.061	0.000	0.00	5.23
36.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.75	0.00	4.487	0.061	0.000	0.00	47.22
37.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.75	0.00	4.540	0.062	0.000	0.00	47.40
39.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.76	0.00	4.591	0.062	0.000	0.00	47.57
40.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.76	0.00	4.641	0.062	0.000	0.00	47.73
42.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.76	0.00	4.689	0.063	0.000	0.00	47.89
43.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.76	0.00	4.737	0.063	0.000	0.00	48.04
45.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.76	0.00	4.783	0.064	0.000	0.00	48.19

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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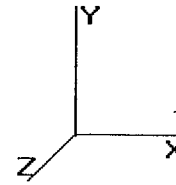
**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      39 Iterations

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

46.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.76	0.00	4.828	0.064	0.000	0.00	48.34
48.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.77	0.00	4.872	0.065	0.000	0.00	48.48
49.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.77	0.00	4.915	0.065	0.000	0.00	48.62
51.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.77	0.00	4.957	0.066	0.000	0.00	48.75
52.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.77	0.00	4.998	0.066	0.000	0.00	48.88
54.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.77	0.00	5.039	0.067	0.000	0.00	49.01
55.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.77	0.00	5.078	0.067	0.000	0.00	49.13
57.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.78	0.00	5.117	0.068	0.000	0.00	49.25
58.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.78	0.00	5.155	0.069	0.000	0.00	49.37
60.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.78	0.00	5.193	0.069	0.000	0.00	49.49
61.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.78	0.00	5.229	0.070	0.000	0.00	49.60
63.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.78	0.00	5.265	0.070	0.000	0.00	49.71
64.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.78	0.00	5.301	0.071	0.000	0.00	49.82
66.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.78	0.00	5.336	0.071	0.000	0.00	49.93
67.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.78	0.00	5.370	0.072	0.000	0.00	50.03
69.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	5.404	0.073	0.000	0.00	50.14
70.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.52	0.00	5.426	0.073	0.000	0.00	33.47
70.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.26	0.00	5.437	0.073	0.000	0.00	16.75
72.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	5.470	0.074	0.000	0.00	50.34
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	5.502	0.075	0.000	0.00	50.43
73.58	(6) 1 5/8" Coax	Yes	0.08	0.000	1.98	0.04	0.00	5.504	0.075	0.000	0.00	2.80
75.00	(6) 1 5/8" Coax	Yes	1.42	0.000	1.98	0.75	0.00	5.534	0.074	0.000	0.00	47.72
76.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	5.566	0.074	0.000	0.00	50.62
78.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	5.597	0.075	0.000	0.00	50.72
79.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	5.627	0.076	0.000	0.00	50.81
81.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	5.657	0.076	0.000	0.00	50.90
82.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.687	0.077	0.000	0.00	50.98
84.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.716	0.078	0.000	0.00	51.07
85.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.745	0.079	0.000	0.00	51.16
87.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.774	0.079	0.000	0.00	51.24
88.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.802	0.080	0.000	0.00	51.32
90.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.830	0.081	0.000	0.00	51.40
91.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.858	0.082	0.000	0.00	51.48
93.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.885	0.082	0.000	0.00	51.56
94.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.912	0.083	0.000	0.00	51.64
96.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.939	0.084	0.000	0.00	51.72
97.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	5.965	0.085	0.000	0.00	51.80
99.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	5.991	0.086	0.000	0.00	51.87
100.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.017	0.087	0.000	0.00	51.94
102.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.043	0.088	0.000	0.00	52.02
103.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.068	0.088	0.000	0.00	52.09
105.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.093	0.089	0.000	0.00	52.16
106.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.118	0.090	0.000	0.00	52.23
108.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.142	0.091	0.000	0.00	52.30
109.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.166	0.092	0.000	0.00	52.37
110.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.27	0.00	6.174	0.093	0.000	0.00	17.46
111.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.190	0.093	0.000	0.00	34.96
112.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.214	0.094	0.000	0.00	52.50
114.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.238	0.095	0.000	0.00	52.57
115.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.261	0.097	0.000	0.00	52.64
117.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	6.284	0.098	0.000	0.00	52.70
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.299	0.099	0.000	0.00	35.16
118.5	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.27	0.00	6.307	0.099	0.000	0.00	17.59
120.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.82	0.00	6.330	0.100	0.000	0.00	52.83
121.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.82	0.00	6.352	0.101	1.003	0.00	52.89
123.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.82	0.00	6.375	0.102	1.007	0.00	52.95
124.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.82	0.00	6.397	0.104	1.011	0.00	53.02

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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



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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	39 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

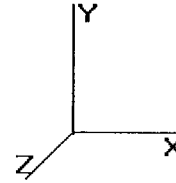
126.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.82	0.00	6.419	0.105	1.015	0.00	53.08
127.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.82	0.00	6.440	0.106	1.019	0.00	53.14
128.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.27	0.00	6.448	0.107	1.021	0.00	17.72
<b>Totals:</b>											0.00	4,227.08



Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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: 38



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**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      39 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

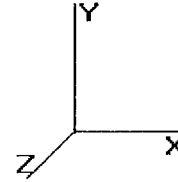
**Applied Segment Forces Summary**

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
1.50	28.15	406.25	0.00	0.00
3.00	28.14	411.81	0.00	0.00
4.50	28.06	432.23	0.00	0.00
6.00	27.97	470.51	0.00	0.00
7.50	27.85	471.95	0.00	0.00
9.00	27.73	472.73	0.00	0.00
10.50	27.61	473.04	0.00	0.00
12.00	27.48	473.01	0.00	0.00
13.50	27.34	472.70	0.00	0.00
15.00	27.21	472.17	0.00	0.00
16.50	27.07	471.46	0.00	0.00
18.00	26.92	470.59	0.00	0.00
19.50	26.78	469.60	0.00	0.00
21.00	26.64	468.50	0.00	0.00
22.50	26.49	467.30	0.00	0.00
24.00	26.34	466.01	0.00	0.00
25.50	26.20	464.65	0.00	0.00
27.00	26.05	463.22	0.00	0.00
28.50	25.90	461.72	0.00	0.00
30.00	25.77	460.16	0.00	0.00
31.50	26.44	656.23	0.00	0.00
33.00	26.64	653.18	0.00	0.00
34.00	44.19	546.33	0.00	4.43
34.33	5.94	142.22	0.00	0.00
34.50	2.97	46.06	0.00	0.00
36.00	26.99	413.57	0.00	0.00
37.50	27.14	412.02	0.00	0.00
39.00	27.28	410.44	0.00	0.00
40.50	27.41	408.83	0.00	0.00
42.00	27.53	407.19	0.00	0.00
43.50	27.63	405.53	0.00	0.00
45.00	27.73	403.84	0.00	0.00
46.50	27.81	402.12	0.00	0.00
48.00	27.89	400.39	0.00	0.00
49.50	27.95	398.63	0.00	0.00
51.00	28.01	396.85	0.00	0.00
52.50	28.06	395.06	0.00	0.00
54.00	28.10	393.24	0.00	0.00
55.50	28.14	391.41	0.00	0.00
57.00	28.16	389.56	0.00	0.00
58.50	28.18	387.70	0.00	0.00
60.00	28.20	385.82	0.00	0.00
61.50	28.20	383.92	0.00	0.00
63.00	28.20	382.02	0.00	0.00
64.50	28.20	380.09	0.00	0.00
66.00	28.19	378.16	0.00	0.00
67.50	28.17	376.22	0.00	0.00
69.00	28.15	374.26	0.00	0.00
70.00	18.73	248.46	0.00	0.00

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      39 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

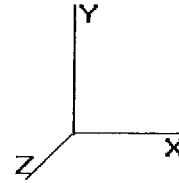
Wind Load Factor : 1.00

70.50	9.51	167.85	0.00	0.00
72.00	28.55	501.24	0.00	0.00
73.50	28.52	498.14	0.00	0.00
73.58	1.58	27.58	0.00	0.00
75.00	26.89	321.33	0.00	0.00
76.50	28.43	338.52	0.00	0.00
78.00	28.38	336.78	0.00	0.00
79.50	28.32	335.03	0.00	0.00
81.00	28.26	333.28	0.00	0.00
82.50	28.20	331.51	0.00	0.00
84.00	28.13	329.74	0.00	0.00
85.50	28.06	327.96	0.00	0.00
87.00	27.98	326.17	0.00	0.00
88.50	27.90	324.38	0.00	0.00
90.00	27.82	322.57	0.00	0.00
91.50	27.73	320.76	0.00	0.00
93.00	27.64	318.94	0.00	0.00
94.50	27.55	317.11	0.00	0.00
96.00	27.45	315.28	0.00	0.00
97.50	27.35	313.44	0.00	0.00
99.00	27.24	311.60	0.00	0.00
100.5	27.13	309.75	0.00	0.00
102.0	27.02	307.89	0.00	0.00
103.5	26.91	306.02	0.00	0.00
105.0	26.79	304.15	0.00	0.00
106.5	26.67	302.28	0.00	0.00
108.0	26.54	300.40	0.00	0.00
109.5	26.42	298.51	0.00	0.00
110.0	8.76	99.16	0.00	0.00
111.0	17.50	181.18	0.00	0.00
112.5	26.15	270.28	0.00	0.00
114.0	26.02	268.65	0.00	0.00
115.5	25.88	267.02	0.00	0.00
117.0	25.74	265.39	0.00	0.00
118.0	357.90	1,478.96	0.00	0.00
118.5	8.50	85.20	0.00	0.00
120.0	25.45	254.24	0.00	0.00
121.5	25.30	252.60	0.00	0.00
123.0	25.15	250.94	0.00	0.00
124.5	24.99	249.29	0.00	0.00
126.0	24.84	247.63	0.00	0.00
127.5	24.68	245.96	0.00	0.00
128.0	153.08	1,281.78	0.00	0.00
129.0	16.32	127.30	0.00	0.00
130.5	24.35	189.36	0.00	0.00
132.0	24.18	187.63	0.00	0.00
133.5	24.02	185.89	0.00	0.00
135.0	23.85	184.15	0.00	0.00
136.5	23.67	182.40	0.00	0.00
138.0	381.53	3,035.88	0.00	0.00
139.5	23.32	152.33	0.00	0.00
141.0	23.14	150.58	0.00	0.00
142.5	22.96	148.82	0.00	0.00
144.0	22.78	147.06	0.00	0.00
145.5	22.59	145.30	0.00	0.00
147.0	22.40	143.53	0.00	0.00
148.5	22.21	141.76	0.00	0.00

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	39 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		

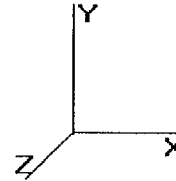
150.0		997.19	7,343.01	0.00	1,518.19
	Totals:	4,511.33	47,600.46	0.00	1,522.62

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      39 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

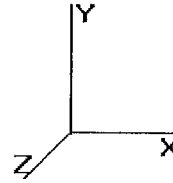
**Calculated Forces**

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	-47.60	-4.53	0.00	-568.31	0.00	568.31	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.272
1.50	-47.19	-4.53	0.00	-561.52	0.00	561.52	3,045.79	1,522.90	4,438.99	2,192.25	0.01	-0.03	0.272
3.00	-46.78	-4.53	0.00	-554.73	0.00	554.73	3,033.07	1,516.53	4,391.90	2,168.99	0.02	-0.07	0.271
4.50	-46.34	-4.53	0.00	-547.95	0.00	547.95	3,020.25	1,510.13	4,344.91	2,145.79	0.05	-0.10	0.271
6.00	-45.87	-4.52	0.00	-541.16	0.00	541.16	3,007.35	1,503.68	4,298.05	2,122.64	0.09	-0.14	0.270
7.50	-45.39	-4.52	0.00	-534.37	0.00	534.37	2,994.36	1,497.18	4,251.30	2,099.56	0.14	-0.18	0.270
9.00	-44.92	-4.52	0.00	-527.59	0.00	527.59	2,981.29	1,490.65	4,204.68	2,076.53	0.20	-0.21	0.269
10.50	-44.44	-4.52	0.00	-520.80	0.00	520.80	2,968.13	1,484.07	4,158.18	2,053.57	0.27	-0.25	0.269
12.00	-43.97	-4.52	0.00	-514.02	0.00	514.02	2,954.88	1,477.44	4,111.81	2,030.67	0.35	-0.28	0.268
13.50	-43.49	-4.52	0.00	-507.24	0.00	507.24	2,941.55	1,470.77	4,065.57	2,007.83	0.45	-0.32	0.267
15.00	-43.02	-4.52	0.00	-500.47	0.00	500.47	2,928.13	1,464.06	4,019.45	1,985.06	0.56	-0.36	0.267
16.50	-42.54	-4.51	0.00	-493.69	0.00	493.69	2,914.62	1,457.31	3,973.48	1,962.35	0.67	-0.39	0.266
18.00	-42.07	-4.51	0.00	-486.93	0.00	486.93	2,901.03	1,450.51	3,927.64	1,939.71	0.80	-0.43	0.266
19.50	-41.60	-4.51	0.00	-480.16	0.00	480.16	2,887.34	1,443.67	3,881.94	1,917.15	0.95	-0.47	0.265
21.00	-41.12	-4.50	0.00	-473.40	0.00	473.40	2,873.58	1,436.79	3,836.38	1,894.65	1.10	-0.51	0.264
22.50	-40.65	-4.50	0.00	-466.65	0.00	466.65	2,859.72	1,429.86	3,790.97	1,872.22	1.26	-0.54	0.263
24.00	-40.19	-4.50	0.00	-459.90	0.00	459.90	2,845.78	1,422.89	3,745.70	1,849.86	1.44	-0.58	0.263
25.50	-39.72	-4.49	0.00	-453.15	0.00	453.15	2,828.47	1,414.23	3,696.29	1,825.46	1.63	-0.62	0.262
27.00	-39.25	-4.49	0.00	-446.42	0.00	446.42	2,808.33	1,404.17	3,643.55	1,799.41	1.83	-0.66	0.262
28.50	-38.79	-4.48	0.00	-439.69	0.00	439.69	2,788.19	1,394.10	3,591.18	1,773.55	2.05	-0.70	0.262
30.00	-38.32	-4.48	0.00	-432.96	0.00	432.96	2,768.06	1,384.03	3,539.19	1,747.87	2.27	-0.74	0.262
31.50	-37.67	-4.47	0.00	-426.25	0.00	426.25	2,747.92	1,373.96	3,487.58	1,722.38	2.51	-0.78	0.261
33.00	-37.01	-4.45	0.00	-419.55	0.00	419.55	2,727.78	1,363.89	3,436.34	1,697.08	2.76	-0.82	0.261
34.00	-36.46	-4.41	0.00	-415.09	0.00	415.09	2,714.36	1,357.18	3,402.40	1,680.32	2.94	-0.84	0.260
34.33	-36.32	-4.41	0.00	-413.62	0.00	413.62	2,189.26	1,094.63	2,807.80	1,386.67	3.00	-0.85	0.315
34.50	-36.27	-4.42	0.00	-412.89	0.00	412.89	2,188.15	1,094.08	2,804.09	1,384.84	3.03	-0.86	0.315
36.00	-35.86	-4.42	0.00	-406.25	0.00	406.25	2,178.16	1,089.08	2,770.78	1,368.39	3.30	-0.90	0.313
37.50	-35.44	-4.41	0.00	-399.63	0.00	399.63	2,168.07	1,084.04	2,737.55	1,351.97	3.59	-0.95	0.312
39.00	-35.03	-4.40	0.00	-393.01	0.00	393.01	2,157.90	1,078.95	2,704.40	1,335.60	3.90	-0.99	0.311
40.50	-34.62	-4.40	0.00	-386.41	0.00	386.41	2,147.65	1,073.82	2,671.33	1,319.27	4.22	-1.04	0.309
42.00	-34.21	-4.39	0.00	-379.81	0.00	379.81	2,137.30	1,068.65	2,638.34	1,302.98	4.55	-1.09	0.308
43.50	-33.80	-4.38	0.00	-373.23	0.00	373.23	2,126.87	1,063.44	2,605.45	1,286.73	4.90	-1.13	0.306
45.00	-33.39	-4.37	0.00	-366.65	0.00	366.65	2,116.36	1,058.18	2,572.65	1,270.53	5.27	-1.18	0.304
46.50	-32.99	-4.36	0.00	-360.10	0.00	360.10	2,105.75	1,052.88	2,539.94	1,254.38	5.64	-1.23	0.303
48.00	-32.58	-4.35	0.00	-353.55	0.00	353.55	2,095.06	1,047.53	2,507.32	1,238.27	6.04	-1.27	0.301
49.50	-32.18	-4.34	0.00	-347.02	0.00	347.02	2,084.29	1,042.14	2,474.81	1,222.21	6.44	-1.32	0.299
51.00	-31.78	-4.33	0.00	-340.50	0.00	340.50	2,073.42	1,036.71	2,442.39	1,206.21	6.87	-1.37	0.298
52.50	-31.38	-4.32	0.00	-334.00	0.00	334.00	2,062.47	1,031.24	2,410.08	1,190.25	7.31	-1.42	0.296
54.00	-30.99	-4.31	0.00	-327.52	0.00	327.52	2,051.44	1,025.72	2,377.87	1,174.34	7.76	-1.46	0.294
55.50	-30.59	-4.30	0.00	-321.05	0.00	321.05	2,040.31	1,020.16	2,345.78	1,158.49	8.23	-1.51	0.292
57.00	-30.20	-4.28	0.00	-314.61	0.00	314.61	2,029.10	1,014.55	2,313.79	1,142.69	8.71	-1.56	0.290
58.50	-29.81	-4.27	0.00	-308.18	0.00	308.18	2,017.80	1,008.90	2,281.91	1,126.95	9.21	-1.61	0.288
60.00	-29.42	-4.26	0.00	-301.78	0.00	301.78	2,006.42	1,003.21	2,250.16	1,111.27	9.72	-1.66	0.286
61.50	-29.04	-4.24	0.00	-295.39	0.00	295.39	1,994.95	997.48	2,218.52	1,095.64	10.25	-1.71	0.284
63.00	-28.65	-4.23	0.00	-289.03	0.00	289.03	1,983.39	991.70	2,186.99	1,080.07	10.79	-1.76	0.282
64.50	-28.27	-4.21	0.00	-282.69	0.00	282.69	1,971.75	985.87	2,155.59	1,064.57	11.35	-1.81	0.280
66.00	-27.89	-4.20	0.00	-276.37	0.00	276.37	1,954.97	977.48	2,118.85	1,046.42	11.93	-1.86	0.278
67.50	-27.51	-4.18	0.00	-270.08	0.00	270.08	1,938.18	969.09	2,082.42	1,028.43	12.52	-1.91	0.277
69.00	-27.13	-4.16	0.00	-263.81	0.00	263.81	1,921.40	960.70	2,046.30	1,010.59	13.13	-1.95	0.275
70.00	-26.88	-4.14	0.00	-259.65	0.00	259.65	1,910.22	955.11	2,022.40	998.79	13.54	-1.99	0.274
70.50	-26.71	-4.14	0.00	-257.58	0.00	257.58	1,904.62	952.31	2,010.50	992.91	13.75	-2.01	0.273

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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 Shape : 12 Sides  
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 Page: 42



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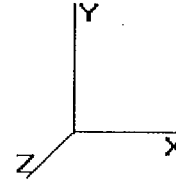
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	39 iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

72.00	-26.21	-4.12	0.00	-251.37	0.00	251.37	1,887.84	943.92	1,975.02	975.39	14.39	-2.06	0.272
73.50	-25.71	-4.08	0.00	-245.19	0.00	245.19	1,871.06	935.53	1,939.85	958.02	15.04	-2.11	0.344
73.58	-25.68	-4.09	0.00	-244.85	0.00	244.85	1,431.04	715.52	1,520.04	750.69	15.08	-2.11	0.344
75.00	-25.36	-4.08	0.00	-239.05	0.00	239.05	1,423.81	711.90	1,499.70	740.64	15.71	-2.16	0.341
76.50	-25.02	-4.06	0.00	-232.94	0.00	232.94	1,416.06	708.03	1,478.21	730.03	16.40	-2.21	0.337
78.00	-24.68	-4.05	0.00	-226.85	0.00	226.85	1,408.23	704.11	1,456.78	719.45	17.10	-2.27	0.333
79.50	-24.34	-4.03	0.00	-220.78	0.00	220.78	1,400.31	700.15	1,435.40	708.89	17.82	-2.33	0.329
81.00	-24.00	-4.01	0.00	-214.73	0.00	214.73	1,392.30	696.15	1,414.09	698.37	18.57	-2.39	0.325
82.50	-23.67	-3.99	0.00	-208.72	0.00	208.72	1,384.21	692.10	1,392.84	687.87	19.33	-2.45	0.321
84.00	-23.34	-3.97	0.00	-202.73	0.00	202.73	1,376.03	688.01	1,371.66	677.41	20.10	-2.51	0.316
85.50	-23.01	-3.96	0.00	-196.77	0.00	196.77	1,367.76	683.88	1,350.54	666.98	20.90	-2.57	0.312
87.00	-22.68	-3.94	0.00	-190.83	0.00	190.83	1,359.41	679.70	1,329.50	656.59	21.72	-2.62	0.307
88.50	-22.35	-3.92	0.00	-184.93	0.00	184.93	1,350.96	675.48	1,308.53	646.23	22.55	-2.68	0.303
90.00	-22.03	-3.90	0.00	-179.06	0.00	179.06	1,342.44	671.22	1,287.63	635.91	23.40	-2.74	0.298
91.50	-21.70	-3.87	0.00	-173.21	0.00	173.21	1,333.82	666.91	1,266.81	625.63	24.27	-2.80	0.293
93.00	-21.38	-3.85	0.00	-167.40	0.00	167.40	1,325.12	662.56	1,246.08	615.39	25.16	-2.86	0.288
94.50	-21.06	-3.83	0.00	-161.62	0.00	161.62	1,316.34	658.17	1,225.42	605.19	26.07	-2.91	0.283
96.00	-20.75	-3.81	0.00	-155.88	0.00	155.88	1,307.46	653.73	1,204.86	595.03	26.99	-2.97	0.278
97.50	-20.43	-3.78	0.00	-150.17	0.00	150.17	1,298.50	649.25	1,184.38	584.92	27.93	-3.03	0.273
99.00	-20.12	-3.76	0.00	-144.50	0.00	144.50	1,289.45	644.73	1,163.99	574.85	28.89	-3.08	0.267
100.50	-19.81	-3.73	0.00	-138.86	0.00	138.86	1,280.32	640.16	1,143.69	564.83	29.87	-3.14	0.261
102.00	-19.50	-3.71	0.00	-133.26	0.00	133.26	1,271.10	635.55	1,123.49	554.85	30.86	-3.19	0.256
103.50	-19.19	-3.68	0.00	-127.69	0.00	127.69	1,261.73	630.87	1,103.34	544.90	31.87	-3.25	0.250
105.00	-18.88	-3.66	0.00	-122.17	0.00	122.17	1,248.31	624.15	1,079.85	533.30	32.90	-3.30	0.244
106.50	-18.58	-3.63	0.00	-116.69	0.00	116.69	1,234.88	617.44	1,056.61	521.82	33.95	-3.36	0.239
108.00	-18.28	-3.60	0.00	-111.24	0.00	111.24	1,221.46	610.73	1,033.63	510.47	35.01	-3.41	0.233
109.50	-17.98	-3.57	0.00	-105.84	0.00	105.84	1,208.03	604.02	1,010.90	499.24	36.09	-3.46	0.227
110.00	-17.88	-3.56	0.00	-104.06	0.00	104.06	1,203.56	601.78	1,003.38	495.53	36.45	-3.48	0.225
110.00	-17.88	-3.56	0.00	-104.06	0.00	104.06	829.71	414.85	695.98	343.72	36.45	-3.48	0.324
111.00	-17.70	-3.55	0.00	-100.49	0.00	100.49	826.14	413.07	687.80	339.68	37.18	-3.51	0.317
112.50	-17.43	-3.53	0.00	-95.17	0.00	95.17	820.71	410.35	675.55	333.63	38.30	-3.58	0.307
114.00	-17.15	-3.50	0.00	-89.88	0.00	89.88	815.19	407.60	663.34	327.60	39.43	-3.64	0.295
115.50	-16.89	-3.48	0.00	-84.63	0.00	84.63	809.59	404.79	651.16	321.58	40.58	-3.70	0.284
117.00	-16.62	-3.45	0.00	-79.42	0.00	79.42	803.90	401.95	639.02	315.59	41.76	-3.76	0.272
118.00	-16.37	-3.43	0.00	-75.97	0.00	75.97	800.06	400.03	630.94	311.60	42.55	-3.80	0.263
118.50	-15.08	-3.00	0.00	-74.47	0.00	74.47	798.12	399.06	626.91	309.61	42.95	-3.82	0.259
120.00	-14.83	-2.97	0.00	-69.97	0.00	69.97	792.26	396.13	614.85	303.65	44.16	-3.88	0.249
121.50	-14.57	-2.94	0.00	-65.51	0.00	65.51	786.31	393.16	602.83	297.72	45.39	-3.94	0.239
123.00	-14.32	-2.91	0.00	-61.10	0.00	61.10	780.28	390.14	590.86	291.80	46.63	-3.99	0.228
124.50	-14.07	-2.88	0.00	-56.73	0.00	56.73	774.15	387.08	578.94	285.92	47.89	-4.05	0.217
126.00	-13.82	-2.85	0.00	-52.41	0.00	52.41	767.95	383.97	567.07	280.05	49.17	-4.10	0.205
127.50	-13.58	-2.82	0.00	-48.13	0.00	48.13	761.65	380.82	555.25	274.22	50.47	-4.14	0.193
128.00	-12.31	-2.58	0.00	-46.72	0.00	46.72	759.53	379.77	551.32	272.28	50.90	-4.16	0.188
129.00	-12.18	-2.56	0.00	-44.14	0.00	44.14	755.27	377.63	543.49	268.41	51.77	-4.19	0.181
130.50	-11.99	-2.53	0.00	-40.30	0.00	40.30	748.80	374.40	531.78	262.63	53.10	-4.23	0.170
132.00	-11.81	-2.50	0.00	-36.51	0.00	36.51	742.24	371.12	520.14	256.88	54.43	-4.28	0.158
133.50	-11.62	-2.47	0.00	-32.76	0.00	32.76	735.60	367.80	508.56	251.16	55.78	-4.31	0.146
135.00	-11.44	-2.44	0.00	-29.05	0.00	29.05	728.87	364.43	497.05	245.47	57.14	-4.35	0.134
136.50	-11.26	-2.41	0.00	-25.39	0.00	25.39	722.05	361.03	485.60	239.82	58.51	-4.38	0.122
138.00	-8.26	-1.80	0.00	-21.78	0.00	21.78	715.15	357.58	474.23	234.20	59.89	-4.41	0.105
139.50	-8.11	-1.77	0.00	-19.08	0.00	19.08	707.44	353.72	462.46	228.39	61.28	-4.44	0.095
141.00	-7.96	-1.74	0.00	-16.43	0.00	16.43	697.37	348.68	449.31	221.90	62.68	-4.47	0.085
142.50	-7.81	-1.70	0.00	-13.82	0.00	13.82	687.30	343.65	436.35	215.50	64.09	-4.49	0.076
144.00	-7.67	-1.67	0.00	-11.27	0.00	11.27	677.23	338.62	423.59	209.19	65.50	-4.51	0.065
145.50	-7.52	-1.64	0.00	-8.76	0.00	8.76	667.16	333.58	411.01	202.98	66.91	-4.52	0.054
147.00	-7.38	-1.61	0.00	-6.29	0.00	6.29	657.09	328.55	398.62	196.87	68.33	-4.53	0.043
148.50	-7.24	-1.58	0.00	-3.88	0.00	3.88	647.03	323.51	386.43	190.84	69.76	-4.54	0.032

Pole : 302473  
Location : E HFR - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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

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<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	39 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		

150.00   0.00   -1.00   0.00   -1.52   0.00   1.52   636.96   318.48   374.42   184.91   71.19   -4.55   0.008

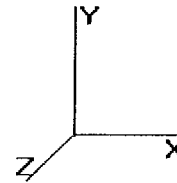
Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

37 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.742	155.91	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.50		1.00	0.70	6.129	6.742	154.93	1.000	0.000	1.50	4.644	4.64	31.3	0.0	218.9
3.00		1.00	0.70	6.129	6.742	153.95	1.000	0.000	1.50	4.615	4.61	31.1	0.0	217.5
4.50		1.00	0.70	6.129	6.742	152.97	1.000	0.000	1.50	4.586	4.59	30.9	0.0	216.1
6.00		1.00	0.70	6.129	6.742	151.99	1.000	0.000	1.50	4.556	4.56	30.7	0.0	214.7
7.50		1.00	0.70	6.129	6.742	151.01	1.000	0.000	1.50	4.527	4.53	30.5	0.0	213.3
9.00		1.00	0.70	6.129	6.742	150.03	1.000	0.000	1.50	4.498	4.50	30.3	0.0	211.9
10.50		1.00	0.70	6.129	6.742	149.05	1.000	0.000	1.50	4.468	4.47	30.1	0.0	210.5
12.00		1.00	0.70	6.129	6.742	148.07	1.000	0.000	1.50	4.439	4.44	29.9	0.0	209.1
13.50		1.00	0.70	6.129	6.742	147.09	1.000	0.000	1.50	4.410	4.41	29.7	0.0	207.7
15.00		1.00	0.70	6.129	6.742	146.11	1.000	0.000	1.50	4.381	4.38	29.5	0.0	206.3
16.50		1.00	0.70	6.129	6.742	145.13	1.000	0.000	1.50	4.351	4.35	29.3	0.0	204.9
18.00		1.00	0.70	6.129	6.742	144.15	1.000	0.000	1.50	4.322	4.32	29.1	0.0	203.5
19.50		1.00	0.70	6.129	6.742	143.17	1.000	0.000	1.50	4.293	4.29	28.9	0.0	202.1
21.00		1.00	0.70	6.129	6.742	142.19	1.000	0.000	1.50	4.263	4.26	28.7	0.0	200.7
22.50		1.00	0.70	6.129	6.742	141.21	1.000	0.000	1.50	4.234	4.23	28.5	0.0	199.3
24.00		1.00	0.70	6.129	6.742	140.23	1.000	0.000	1.50	4.205	4.20	28.3	0.0	198.0
25.50		1.00	0.70	6.129	6.742	139.25	1.000	0.000	1.50	4.176	4.18	28.2	0.0	196.6
27.00		1.00	0.70	6.129	6.742	138.27	1.000	0.000	1.50	4.146	4.15	28.0	0.0	195.2
28.50		1.00	0.70	6.129	6.742	137.29	1.000	0.000	1.50	4.117	4.12	27.8	0.0	193.8
30.00	Bot - Section 2	1.00	0.70	6.134	6.747	136.37	1.000	0.000	1.50	4.088	4.09	27.6	0.0	192.4
31.50		1.00	0.71	6.220	6.842	136.33	1.000	0.000	1.50	4.140	4.14	28.3	0.0	353.7
33.00		1.00	0.72	6.303	6.933	136.25	1.000	0.000	1.50	4.110	4.11	28.5	0.0	351.1
34.00	Appertunance(s)	1.00	0.72	6.357	6.993	136.17	1.000	0.000	1.00	2.724	2.72	19.0	0.0	232.7
34.33	Top - Section 1	1.00	0.72	6.375	7.012	136.13	1.000	0.000	0.33	0.905	0.90	6.3	0.0	77.3
34.50		1.00	0.72	6.384	7.022	138.88	1.000	0.000	0.17	0.452	0.45	3.2	0.0	17.8
36.00		1.00	0.73	6.462	7.108	138.72	1.000	0.000	1.50	4.052	4.05	28.8	0.0	159.2
37.50		1.00	0.74	6.538	7.191	138.52	1.000	0.000	1.50	4.022	4.02	28.9	0.0	158.0
39.00		1.00	0.75	6.611	7.272	138.28	1.000	0.000	1.50	3.993	3.99	29.0	0.0	156.9
40.50		1.00	0.76	6.683	7.351	138.01	1.000	0.000	1.50	3.964	3.96	29.1	0.0	155.7
42.00		1.00	0.77	6.753	7.428	137.70	1.000	0.000	1.50	3.934	3.93	29.2	0.0	154.5
43.50		1.00	0.77	6.821	7.503	137.35	1.000	0.000	1.50	3.905	3.91	29.3	0.0	153.4
45.00		1.00	0.78	6.887	7.576	136.98	1.000	0.000	1.50	3.876	3.88	29.4	0.0	152.2
46.50		1.00	0.79	6.952	7.647	136.58	1.000	0.000	1.50	3.847	3.85	29.4	0.0	151.1
48.00		1.00	0.80	7.015	7.717	136.15	1.000	0.000	1.50	3.817	3.82	29.5	0.0	149.9
49.50		1.00	0.80	7.077	7.785	135.70	1.000	0.000	1.50	3.788	3.79	29.5	0.0	148.7
51.00		1.00	0.81	7.138	7.852	135.22	1.000	0.000	1.50	3.759	3.76	29.5	0.0	147.6
52.50		1.00	0.82	7.197	7.917	134.72	1.000	0.000	1.50	3.730	3.73	29.5	0.0	146.4
54.00		1.00	0.82	7.255	7.981	134.20	1.000	0.000	1.50	3.700	3.70	29.5	0.0	145.3
55.50		1.00	0.83	7.312	8.044	133.66	1.000	0.000	1.50	3.671	3.67	29.5	0.0	144.1
57.00		1.00	0.84	7.368	8.105	133.09	1.000	0.000	1.50	3.642	3.64	29.5	0.0	142.9
58.50		1.00	0.84	7.423	8.166	132.51	1.000	0.000	1.50	3.612	3.61	29.5	0.0	141.8
60.00		1.00	0.85	7.477	8.225	131.91	1.000	0.000	1.50	3.583	3.58	29.5	0.0	140.6
61.50		1.00	0.86	7.530	8.283	131.29	1.000	0.000	1.50	3.554	3.55	29.4	0.0	139.4
63.00		1.00	0.86	7.582	8.340	130.65	1.000	0.000	1.50	3.525	3.52	29.4	0.0	138.3
64.50		1.00	0.87	7.633	8.397	130.00	1.000	0.000	1.50	3.495	3.50	29.3	0.0	137.1
66.00		1.00	0.87	7.684	8.452	129.33	1.000	0.000	1.50	3.466	3.47	29.3	0.0	136.0
67.50		1.00	0.88	7.733	8.506	128.64	1.000	0.000	1.50	3.437	3.44	29.2	0.0	134.8
69.00		1.00	0.88	7.782	8.560	127.94	1.000	0.000	1.50	3.407	3.41	29.2	0.0	133.6
70.00	Bot - Section 3	1.00	0.89	7.814	8.595	127.47	1.000	0.000	1.00	2.255	2.26	19.4	0.0	88.4
70.50		1.00	0.89	7.830	8.613	127.23	1.000	0.000	0.50	1.145	1.14	9.9	0.0	80.0

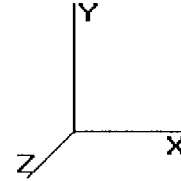
Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

37 Iterations

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

Wind Importance Factor : 1.00

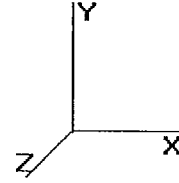
72.00		1.00	0.90	7.877	8.665	126.50	1.000	0.000	1.50	3.414	3.41	29.6	0.0	238.7
73.50		1.00	0.90	7.924	8.716	125.76	1.000	0.000	1.50	3.384	3.38	29.5	0.0	236.6
73.58	Top - Section 2	1.00	0.90	7.926	8.719	125.72	1.000	0.000	0.08	0.187	0.19	1.6	0.0	13.1
75.00		1.00	0.91	7.969	8.766	127.47	1.000	0.000	1.42	3.168	3.17	27.8	0.0	99.6
76.50		1.00	0.91	8.015	8.816	126.72	1.000	0.000	1.50	3.326	3.33	29.3	0.0	104.6
78.00		1.00	0.92	8.059	8.865	125.94	1.000	0.000	1.50	3.296	3.30	29.2	0.0	103.6
79.50		1.00	0.92	8.103	8.914	125.16	1.000	0.000	1.50	3.267	3.27	29.1	0.0	102.7
81.00		1.00	0.93	8.147	8.961	124.37	1.000	0.000	1.50	3.238	3.24	29.0	0.0	101.8
82.50		1.00	0.93	8.189	9.008	123.56	1.000	0.000	1.50	3.209	3.21	28.9	0.0	100.9
84.00		1.00	0.94	8.232	9.055	122.74	1.000	0.000	1.50	3.179	3.18	28.8	0.0	99.9
85.50		1.00	0.94	8.273	9.101	121.91	1.000	0.000	1.50	3.150	3.15	28.7	0.0	99.0
87.00		1.00	0.95	8.315	9.146	121.08	1.000	0.000	1.50	3.121	3.12	28.5	0.0	98.1
88.50		1.00	0.95	8.355	9.191	120.23	1.000	0.000	1.50	3.092	3.09	28.4	0.0	97.1
90.00		1.00	0.95	8.396	9.235	119.37	1.000	0.000	1.50	3.062	3.06	28.3	0.0	96.2
91.50		1.00	0.96	8.435	9.279	118.50	1.000	0.000	1.50	3.033	3.03	28.1	0.0	95.3
93.00		1.00	0.96	8.475	9.322	117.63	1.000	0.000	1.50	3.004	3.00	28.0	0.0	94.3
94.50		1.00	0.97	8.513	9.365	116.74	1.000	0.000	1.50	2.974	2.97	27.9	0.0	93.4
96.00		1.00	0.97	8.552	9.407	115.85	1.000	0.000	1.50	2.945	2.95	27.7	0.0	92.5
97.50		1.00	0.98	8.590	9.449	114.94	1.000	0.000	1.50	2.916	2.92	27.6	0.0	91.6
99.00		1.00	0.98	8.627	9.490	114.03	1.000	0.000	1.50	2.887	2.89	27.4	0.0	90.6
100.5		1.00	0.99	8.665	9.531	113.11	1.000	0.000	1.50	2.857	2.86	27.2	0.0	89.7
102.0		1.00	0.99	8.701	9.571	112.18	1.000	0.000	1.50	2.828	2.83	27.1	0.0	88.8
103.5		1.00	0.99	8.738	9.611	111.25	1.000	0.000	1.50	2.799	2.80	26.9	0.0	87.8
105.0		1.00	1.00	8.774	9.651	110.30	1.000	0.000	1.50	2.769	2.77	26.7	0.0	86.9
106.5		1.00	1.00	8.809	9.690	109.35	1.000	0.000	1.50	2.740	2.74	26.6	0.0	86.0
108.0		1.00	1.01	8.845	9.729	108.40	1.000	0.000	1.50	2.711	2.71	26.4	0.0	85.0
109.5		1.00	1.01	8.879	9.767	107.43	1.000	0.000	1.50	2.682	2.68	26.2	0.0	84.1
110.0	Top - Section 3	1.00	1.01	8.891	9.780	107.11	1.000	0.000	0.50	0.887	0.89	8.7	0.0	27.8
111.0		1.00	1.01	8.914	9.805	106.46	1.000	0.000	1.00	1.765	1.77	17.3	0.0	41.6
112.5		1.00	1.02	8.948	9.843	105.48	1.000	0.000	1.50	2.623	2.62	25.8	0.0	61.9
114.0		1.00	1.02	8.982	9.880	104.49	1.000	0.000	1.50	2.594	2.59	25.6	0.0	61.2
115.5		1.00	1.03	9.016	9.917	103.50	1.000	0.000	1.50	2.565	2.56	25.4	0.0	60.5
117.0		1.00	1.03	9.049	9.954	102.50	1.000	0.000	1.50	2.535	2.54	25.2	0.0	59.8
118.0	Appertunance(s)	1.00	1.03	9.071	9.978	101.83	1.000	0.000	1.00	1.674	1.67	16.7	0.0	39.5
118.5		1.00	1.03	9.082	9.990	101.49	1.000	0.000	0.50	0.832	0.83	8.3	0.0	19.6
120.0		1.00	1.04	9.115	10.02	100.48	1.000	0.000	1.50	2.477	2.48	24.8	0.0	58.4
121.5		1.00	1.04	9.147	10.06	99.466	1.000	*	1.50	2.447	2.45	24.6	0.0	57.7
123.0		1.00	1.04	9.179	10.09	98.441	1.000	*	1.50	2.418	2.42	24.4	0.0	57.0
124.5		1.00	1.05	9.211	10.13	97.410	1.000	*	1.50	2.389	2.39	24.2	0.0	56.3
126.0		1.00	1.05	9.243	10.16	96.374	1.000	*	1.50	2.360	2.36	24.0	0.0	55.6
127.5		1.00	1.05	9.274	10.20	95.332	1.000	*	1.50	2.330	2.33	23.8	0.0	54.9
128.0	Appertunance(s)	1.00	1.06	9.284	10.21	94.983	1.000	*	0.50	0.770	0.77	7.9	0.0	18.1
129.0		1.00	1.06	9.305	10.23	94.284	1.000	0.000	1.00	1.531	1.53	15.7	0.0	36.1
130.5		1.00	1.06	9.336	10.26	93.230	1.000	0.000	1.50	2.272	2.27	23.3	0.0	53.5
132.0		1.00	1.07	9.366	10.30	92.171	1.000	0.000	1.50	2.242	2.24	23.1	0.0	52.8
133.5		1.00	1.07	9.397	10.33	91.107	1.000	0.000	1.50	2.213	2.21	22.9	0.0	52.1
135.0		1.00	1.07	9.427	10.36	90.037	1.000	0.000	1.50	2.184	2.18	22.6	0.0	51.4
136.5		1.00	1.08	9.457	10.40	88.962	1.000	0.000	1.50	2.155	2.15	22.4	0.0	50.7
138.0	Appertunance(s)	1.00	1.08	9.486	10.43	87.882	1.000	0.000	1.50	2.125	2.13	22.2	0.0	50.0
139.5		1.00	1.08	9.515	10.46	86.797	1.000	0.000	1.50	2.096	2.10	21.9	0.0	49.3
141.0		1.00	1.09	9.545	10.49	85.707	1.000	0.000	1.50	2.067	2.07	21.7	0.0	48.6
142.5		1.00	1.09	9.574	10.53	84.612	1.000	0.000	1.50	2.038	2.04	21.5	0.0	47.9
144.0		1.00	1.09	9.602	10.56	83.512	1.000	0.000	1.50	2.008	2.01	21.2	0.0	47.2
145.5		1.00	1.10	9.631	10.59	82.408	1.000	0.000	1.50	1.979	1.98	21.0	0.0	46.5
147.0		1.00	1.10	9.659	10.62	81.298	1.000	0.000	1.50	1.950	1.95	20.7	0.0	45.9
148.5		1.00	1.10	9.687	10.65	80.184	1.000	0.000	1.50	1.920	1.92	20.5	0.0	45.2
150.0	Appertunance(s)	1.00	1.11	9.715	10.68	79.066	1.000	0.000	1.50	1.891	1.89	20.2	0.0	44.5



Pole : 302473  
Location : EHFR - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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

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<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	37 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

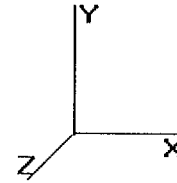
\* = Cf Adjusted By Linear Load Ra Effect

Totals: 150.00 2,736.1 0.0 12,890.6

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	37 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)
34.00	GPS	1	6.384	7.022	1.00	1.00	1.00	0.000	0.500	7.02	0.00	3.51	10.00
34.00	Stand-off	1	6.357	6.993	1.00	1.00	2.00	0.000	0.000	13.99	0.00	0.00	50.00
118.0	Argus LLPX310R	3	9.071	9.978	0.55	0.80	8.00	0.000	0.000	79.81	0.00	0.00	85.80
118.0	Clearwire Mount	1	9.071	9.978	1.00	1.00	8.50	0.000	0.000	84.82	0.00	0.00	40.00
118.0	DragonWave A-ANT-	1	9.071	9.978	1.00	1.00	1.61	0.000	0.000	16.07	0.00	0.00	15.00
118.0	DragonWave A-ANT-	2	9.071	9.978	0.90	1.00	8.44	0.000	0.000	84.24	0.00	0.00	24.60
118.0	DragonWave Horizon	3	9.071	9.978	0.40	0.80	0.52	0.000	0.000	5.15	0.00	0.00	31.80
118.0	Generic 12" x 12" Ju	1	9.071	9.978	1.00	1.00	1.40	0.000	0.000	13.97	0.00	0.00	10.00
118.0	NextNet BTS-2500	3	9.071	9.978	0.58	0.80	3.71	0.000	0.000	37.06	0.00	0.00	105.00
128.0	Flush Mounts	1	9.284	10.213	1.00	1.00	3.50	0.000	0.000	35.75	0.00	0.00	200.00
128.0	RFS APXV18-206517S-	3	9.284	10.213	0.59	0.80	9.16	0.000	0.000	93.59	0.00	0.00	79.20
138.0	Decibel DB980F65E-M	9	9.486	10.435	0.60	0.80	20.25	0.000	0.000	211.30	0.00	0.00	90.00
138.0	T-Arms	3	9.486	10.435	0.56	0.75	10.13	0.000	0.000	105.65	0.00	0.00	750.00
150.0	6' Omni	1	9.752	10.727	1.00	1.00	1.77	0.000	2.000	18.99	0.00	37.97	35.00
150.0	ADC DD1900	6	9.752	10.727	0.40	0.80	3.07	0.000	2.000	32.95	0.00	65.91	72.60
150.0	CSS DUO4-8670	6	9.752	10.727	0.66	0.80	25.94	0.000	2.000	278.24	0.00	556.47	231.00
150.0	Ericsson RRUS 11	6	9.733	10.707	0.57	0.80	10.02	0.000	1.000	107.28	0.00	107.28	330.00
150.0	KMW AM-X-CD-16-65-	3	9.770	10.747	0.60	0.80	14.87	0.000	3.000	159.79	0.00	479.36	145.50
150.0	Platform	1	9.733	10.707	1.00	1.00	32.00	0.000	1.000	342.61	0.00	342.61	1,800.00
150.0	Raycap DC6-48-60-18-	1	9.733	10.707	1.00	1.00	1.47	0.000	1.000	15.74	0.00	15.74	31.80
										<b>1,744.00</b>			<b>4,137.30</b>

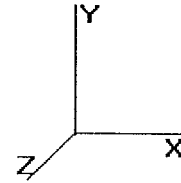
Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
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Code: ANSI/TIA-222 Rev G  
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 Base Elev : 0.000 (ft)

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

**60.00 mph Serviceability**

**37 Iterations**

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

Wind Importance Factor : 1.00

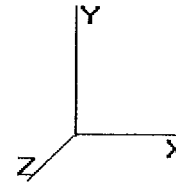
**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
4.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	6.129	0.024	0.000	0.00	2.46
4.50	(1) 1/2" Coax	Yes	0.50	0.000	0.63	0.03	0.00	6.129	0.024	0.000	0.00	0.08
6.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.072	0.000	0.00	7.38
6.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.072	0.000	0.00	0.23
7.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.072	0.000	0.00	7.38
7.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.072	0.000	0.00	0.23
9.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.073	0.000	0.00	7.38
9.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.073	0.000	0.00	0.23
10.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.073	0.000	0.00	7.38
10.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.073	0.000	0.00	0.23
12.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.073	0.000	0.00	7.38
12.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.073	0.000	0.00	0.23
13.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.074	0.000	0.00	7.38
13.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.074	0.000	0.00	0.23
15.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.074	0.000	0.00	7.38
15.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.074	0.000	0.00	0.23
16.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.075	0.000	0.00	7.38
16.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.075	0.000	0.00	0.23
18.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.075	0.000	0.00	7.38
18.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.075	0.000	0.00	0.23
19.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.076	0.000	0.00	7.38
19.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.076	0.000	0.00	0.23
21.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.077	0.000	0.00	7.38
21.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.077	0.000	0.00	0.23
22.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.077	0.000	0.00	7.38
22.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.077	0.000	0.00	0.23
24.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.078	0.000	0.00	7.38
24.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.078	0.000	0.00	0.23
25.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.078	0.000	0.00	7.38
25.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.078	0.000	0.00	0.23
27.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.079	0.000	0.00	7.38
27.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.079	0.000	0.00	0.23
28.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.079	0.000	0.00	7.38
28.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.129	0.079	0.000	0.00	0.23
30.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.134	0.080	0.000	0.00	7.38
30.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.134	0.080	0.000	0.00	0.22
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.220	0.080	0.000	0.00	7.38
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.220	0.080	0.000	0.00	0.23
33.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.303	0.081	0.000	0.00	7.38
33.00	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.08	0.00	6.303	0.081	0.000	0.00	0.23
34.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	6.357	0.081	0.000	0.00	4.92
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.63	0.05	0.00	6.357	0.081	0.000	0.00	0.15
34.33	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.05	0.00	6.375	0.062	0.000	0.00	1.64
34.50	(6) 1 5/8" Coax	Yes	0.17	0.000	1.98	0.03	0.00	6.384	0.061	0.000	0.00	0.82
36.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.462	0.061	0.000	0.00	7.38
37.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.538	0.062	0.000	0.00	7.38
39.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.611	0.062	0.000	0.00	7.38
40.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.683	0.062	0.000	0.00	7.38
42.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.753	0.063	0.000	0.00	7.38
43.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.821	0.063	0.000	0.00	7.38
45.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.887	0.064	0.000	0.00	7.38

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
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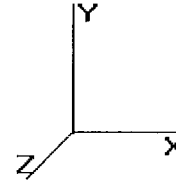
<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>37 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

46.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.952	0.064	0.000	0.00	7.38
48.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.015	0.065	0.000	0.00	7.38
49.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.077	0.065	0.000	0.00	7.38
51.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.138	0.066	0.000	0.00	7.38
52.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.197	0.066	0.000	0.00	7.38
54.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.255	0.067	0.000	0.00	7.38
55.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.312	0.067	0.000	0.00	7.38
57.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.368	0.068	0.000	0.00	7.38
58.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.423	0.069	0.000	0.00	7.38
60.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.477	0.069	0.000	0.00	7.38
61.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.530	0.070	0.000	0.00	7.38
63.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.582	0.070	0.000	0.00	7.38
64.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.633	0.071	0.000	0.00	7.38
66.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.684	0.071	0.000	0.00	7.38
67.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.733	0.072	0.000	0.00	7.38
69.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.782	0.073	0.000	0.00	7.38
70.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.16	0.00	7.814	0.073	0.000	0.00	4.92
70.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	7.830	0.073	0.000	0.00	2.46
72.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.877	0.074	0.000	0.00	7.38
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.924	0.075	0.000	0.00	7.38
73.58	(6) 1 5/8" Coax	Yes	0.08	0.000	1.98	0.01	0.00	7.926	0.075	0.000	0.00	0.41
75.00	(6) 1 5/8" Coax	Yes	1.42	0.000	1.98	0.23	0.00	7.969	0.074	0.000	0.00	6.97
76.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.015	0.074	0.000	0.00	7.38
78.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.059	0.075	0.000	0.00	7.38
79.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.103	0.076	0.000	0.00	7.38
81.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.147	0.076	0.000	0.00	7.38
82.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.189	0.077	0.000	0.00	7.38
84.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.232	0.078	0.000	0.00	7.38
85.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.273	0.079	0.000	0.00	7.38
87.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.315	0.079	0.000	0.00	7.38
88.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.355	0.080	0.000	0.00	7.38
90.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.396	0.081	0.000	0.00	7.38
91.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.435	0.082	0.000	0.00	7.38
93.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.475	0.082	0.000	0.00	7.38
94.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.513	0.083	0.000	0.00	7.38
96.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.552	0.084	0.000	0.00	7.38
97.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.590	0.085	0.000	0.00	7.38
99.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.627	0.086	0.000	0.00	7.38
100.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.665	0.087	0.000	0.00	7.38
102.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.701	0.088	0.000	0.00	7.38
103.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.738	0.088	0.000	0.00	7.38
105.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.774	0.089	0.000	0.00	7.38
106.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.809	0.090	0.000	0.00	7.38
108.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.845	0.091	0.000	0.00	7.38
109.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.879	0.092	0.000	0.00	7.38
110.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	8.891	0.093	0.000	0.00	2.46
111.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.914	0.093	0.000	0.00	4.92
112.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.948	0.094	0.000	0.00	7.38
114.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.982	0.095	0.000	0.00	7.38
115.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.016	0.097	0.000	0.00	7.38
117.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.049	0.098	0.000	0.00	7.38
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.071	0.099	0.000	0.00	4.92
118.5	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	9.082	0.099	0.000	0.00	2.46
120.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.115	0.100	0.000	0.00	7.38
121.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.147	0.101	1.003	0.00	7.38
123.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.179	0.102	1.007	0.00	7.38
124.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.211	0.104	1.011	0.00	7.38

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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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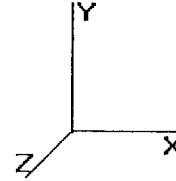
**Load Case:** 1.0D + 1.0W      **60.00 mph Serviceability**      **37 Iterations**  
**Gust Response Factor :** 1.10      **Wind Importance Factor : 1.00**  
**Dead Load Factor :** 1.00  
**Wind Load Factor :** 1.00

126.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.243	0.105	1.015	0.00	7.38
127.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.274	0.106	1.019	0.00	7.38
128.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	9.284	0.107	1.021	0.00	2.46
<b>Totals:</b>											<b>0.00</b>	<b>614.51</b>

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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

37 Iterations

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

Wind Importance Factor : 1.00

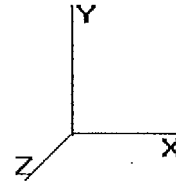
**Applied Segment Forces Summary**

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
1.50	31.31	250.05	0.00	0.00
3.00	31.11	248.66	0.00	0.00
4.50	30.91	251.98	0.00	0.00
6.00	30.72	260.03	0.00	0.00
7.50	30.52	258.63	0.00	0.00
9.00	30.32	257.24	0.00	0.00
10.50	30.12	255.84	0.00	0.00
12.00	29.93	254.45	0.00	0.00
13.50	29.73	253.06	0.00	0.00
15.00	29.53	251.66	0.00	0.00
16.50	29.33	250.27	0.00	0.00
18.00	29.14	248.87	0.00	0.00
19.50	28.94	247.48	0.00	0.00
21.00	28.74	246.08	0.00	0.00
22.50	28.54	244.69	0.00	0.00
24.00	28.35	243.29	0.00	0.00
25.50	28.15	241.90	0.00	0.00
27.00	27.95	240.51	0.00	0.00
28.50	27.76	239.11	0.00	0.00
30.00	27.58	237.71	0.00	0.00
31.50	28.32	399.01	0.00	0.00
33.00	28.50	396.45	0.00	0.00
34.00	40.06	322.88	0.00	3.51
34.33	6.35	87.32	0.00	0.00
34.50	3.17	22.78	0.00	0.00
36.00	28.80	204.31	0.00	0.00
37.50	28.93	203.15	0.00	0.00
39.00	29.04	201.99	0.00	0.00
40.50	29.14	200.83	0.00	0.00
42.00	29.23	199.66	0.00	0.00
43.50	29.30	198.50	0.00	0.00
45.00	29.36	197.34	0.00	0.00
46.50	29.42	196.18	0.00	0.00
48.00	29.46	195.02	0.00	0.00
49.50	29.49	193.85	0.00	0.00
51.00	29.51	192.69	0.00	0.00
52.50	29.53	191.53	0.00	0.00
54.00	29.53	190.37	0.00	0.00
55.50	29.53	189.21	0.00	0.00
57.00	29.52	188.04	0.00	0.00
58.50	29.50	186.88	0.00	0.00
60.00	29.47	185.72	0.00	0.00
61.50	29.44	184.56	0.00	0.00
63.00	29.40	183.40	0.00	0.00
64.50	29.35	182.23	0.00	0.00
66.00	29.29	181.07	0.00	0.00
67.50	29.23	179.91	0.00	0.00
69.00	29.17	178.75	0.00	0.00
70.00	19.38	118.51	0.00	0.00

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (in/ft)

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

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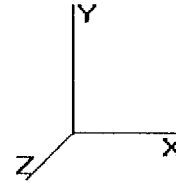
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<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>37 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

70.50	9.86	95.07	0.00	0.00
72.00	29.58	283.78	0.00	0.00
73.50	29.50	281.69	0.00	0.00
73.58	1.63	15.58	0.00	0.00
75.00	27.77	142.23	0.00	0.00
76.50	29.32	149.68	0.00	0.00
78.00	29.22	148.75	0.00	0.00
79.50	29.12	147.83	0.00	0.00
81.00	29.02	146.90	0.00	0.00
82.50	28.90	145.97	0.00	0.00
84.00	28.79	145.04	0.00	0.00
85.50	28.67	144.11	0.00	0.00
87.00	28.54	143.18	0.00	0.00
88.50	28.41	142.25	0.00	0.00
90.00	28.28	141.32	0.00	0.00
91.50	28.14	140.39	0.00	0.00
93.00	28.00	139.46	0.00	0.00
94.50	27.85	138.53	0.00	0.00
96.00	27.71	137.60	0.00	0.00
97.50	27.55	136.67	0.00	0.00
99.00	27.39	135.74	0.00	0.00
100.5	27.23	134.81	0.00	0.00
102.0	27.07	133.88	0.00	0.00
103.5	26.90	132.95	0.00	0.00
105.0	26.73	132.02	0.00	0.00
106.5	26.55	131.09	0.00	0.00
108.0	26.37	130.16	0.00	0.00
109.5	26.19	129.23	0.00	0.00
110.0	8.68	42.87	0.00	0.00
111.0	17.31	71.73	0.00	0.00
112.5	25.82	107.00	0.00	0.00
114.0	25.63	106.30	0.00	0.00
115.5	25.43	105.61	0.00	0.00
117.0	25.24	104.91	0.00	0.00
118.0	337.81	381.75	0.00	0.00
118.5	8.31	32.48	0.00	0.00
120.0	24.83	96.96	0.00	0.00
121.5	24.63	96.26	0.00	0.00
123.0	24.42	95.57	0.00	0.00
124.5	24.20	94.87	0.00	0.00
126.0	23.99	94.17	0.00	0.00
127.5	23.77	93.47	0.00	0.00
128.0	137.20	310.20	0.00	0.00
129.0	15.67	56.85	0.00	0.00
130.5	23.33	84.70	0.00	0.00
132.0	23.10	84.00	0.00	0.00
133.5	22.88	83.31	0.00	0.00
135.0	22.65	82.61	0.00	0.00
136.5	22.41	81.91	0.00	0.00
138.0	339.13	921.22	0.00	0.00
139.5	21.94	58.38	0.00	0.00
141.0	21.70	57.68	0.00	0.00
142.5	21.46	56.99	0.00	0.00
144.0	21.21	56.29	0.00	0.00
145.5	20.96	55.59	0.00	0.00
147.0	20.72	54.89	0.00	0.00
148.5	20.46	54.20	0.00	0.00

Pole : 302473  
Location : EHFR - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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



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<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	37 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

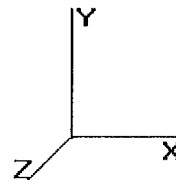
150.0	975.80	2,699.40	0.00	1,605.34
Totals:	4,480.09	21,081.72	0.00	1,608.85



Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (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: 1.0D + 1.0W**

60.00 mph Serviceability

37 Iterations

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

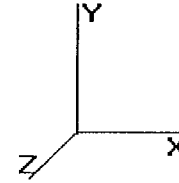
Wind Importance Factor : 1.00

**Calculated Forces**

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-21.08	-4.48	0.00	-473.89	0.00	473.89	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.221
1.50	-20.83	-4.46	0.00	-467.17	0.00	467.17	3,045.79	1,522.90	4,438.99	2,192.25	0.00	-0.03	0.220
3.00	-20.58	-4.44	0.00	-460.47	0.00	460.47	3,033.07	1,516.53	4,391.90	2,168.99	0.02	-0.06	0.219
4.50	-20.32	-4.42	0.00	-453.81	0.00	453.81	3,020.25	1,510.13	4,344.91	2,145.79	0.04	-0.09	0.218
6.00	-20.06	-4.40	0.00	-447.18	0.00	447.18	3,007.35	1,503.68	4,298.05	2,122.64	0.07	-0.12	0.217
7.50	-19.80	-4.38	0.00	-440.57	0.00	440.57	2,994.36	1,497.18	4,251.30	2,099.56	0.11	-0.15	0.216
9.00	-19.54	-4.36	0.00	-434.00	0.00	434.00	2,981.29	1,490.65	4,204.68	2,076.53	0.16	-0.17	0.216
10.50	-19.28	-4.34	0.00	-427.47	0.00	427.47	2,968.13	1,484.07	4,158.18	2,053.57	0.22	-0.20	0.215
12.00	-19.03	-4.32	0.00	-420.96	0.00	420.96	2,954.88	1,477.44	4,111.81	2,030.67	0.29	-0.23	0.214
13.50	-18.77	-4.30	0.00	-414.48	0.00	414.48	2,941.55	1,470.77	4,065.57	2,007.83	0.37	-0.26	0.213
15.00	-18.52	-4.27	0.00	-408.04	0.00	408.04	2,928.13	1,464.06	4,019.45	1,985.06	0.46	-0.29	0.212
16.50	-18.26	-4.25	0.00	-401.63	0.00	401.63	2,914.62	1,457.31	3,973.48	1,962.35	0.56	-0.32	0.211
18.00	-18.01	-4.23	0.00	-395.25	0.00	395.25	2,901.03	1,450.51	3,927.64	1,939.71	0.66	-0.35	0.210
19.50	-17.76	-4.21	0.00	-388.90	0.00	388.90	2,887.34	1,443.67	3,881.94	1,917.15	0.78	-0.39	0.209
21.00	-17.52	-4.19	0.00	-382.58	0.00	382.58	2,873.58	1,436.79	3,836.38	1,894.65	0.91	-0.42	0.208
22.50	-17.27	-4.17	0.00	-376.29	0.00	376.29	2,859.72	1,429.86	3,790.97	1,872.22	1.04	-0.45	0.207
24.00	-17.02	-4.15	0.00	-370.04	0.00	370.04	2,845.78	1,422.89	3,745.70	1,849.86	1.19	-0.48	0.206
25.50	-16.78	-4.13	0.00	-363.82	0.00	363.82	2,828.47	1,414.23	3,696.29	1,825.46	1.34	-0.51	0.205
27.00	-16.54	-4.11	0.00	-357.63	0.00	357.63	2,808.33	1,404.17	3,643.55	1,799.41	1.51	-0.54	0.205
28.50	-16.30	-4.09	0.00	-351.47	0.00	351.47	2,788.19	1,394.10	3,591.18	1,773.55	1.68	-0.57	0.204
30.00	-16.06	-4.06	0.00	-345.34	0.00	345.34	2,768.06	1,384.03	3,539.19	1,747.87	1.87	-0.60	0.203
31.50	-15.66	-4.04	0.00	-339.24	0.00	339.24	2,747.92	1,373.96	3,487.58	1,722.38	2.06	-0.63	0.203
33.00	-15.26	-4.01	0.00	-333.19	0.00	333.19	2,727.78	1,363.89	3,436.34	1,697.08	2.26	-0.67	0.202
34.00	-14.94	-3.97	0.00	-329.17	0.00	329.17	2,714.36	1,357.18	3,402.40	1,680.32	2.41	-0.69	0.201
34.33	-14.85	-3.97	0.00	-327.84	0.00	327.84	2,189.26	1,094.63	2,807.80	1,386.67	2.45	-0.69	0.243
34.50	-14.82	-3.97	0.00	-327.18	0.00	327.18	2,188.15	1,094.08	2,804.09	1,384.84	2.48	-0.70	0.243
36.00	-14.62	-3.95	0.00	-321.23	0.00	321.23	2,178.16	1,089.08	2,770.78	1,368.39	2.70	-0.73	0.241
37.50	-14.41	-3.92	0.00	-315.31	0.00	315.31	2,168.07	1,084.04	2,737.55	1,351.97	2.94	-0.77	0.240
39.00	-14.21	-3.90	0.00	-309.42	0.00	309.42	2,157.90	1,078.95	2,704.40	1,335.60	3.19	-0.81	0.238
40.50	-14.00	-3.88	0.00	-303.57	0.00	303.57	2,147.65	1,073.82	2,671.33	1,319.27	3.45	-0.84	0.237
42.00	-13.80	-3.86	0.00	-297.75	0.00	297.75	2,137.30	1,068.65	2,638.34	1,302.98	3.72	-0.88	0.235
43.50	-13.60	-3.83	0.00	-291.97	0.00	291.97	2,126.87	1,063.44	2,605.45	1,286.73	4.00	-0.91	0.233
45.00	-13.40	-3.81	0.00	-286.22	0.00	286.22	2,116.36	1,058.18	2,572.65	1,270.53	4.29	-0.95	0.232
46.50	-13.21	-3.78	0.00	-280.51	0.00	280.51	2,105.75	1,052.88	2,539.94	1,254.38	4.60	-0.99	0.230
48.00	-13.01	-3.76	0.00	-274.84	0.00	274.84	2,095.06	1,047.53	2,507.32	1,238.27	4.91	-1.02	0.228
49.50	-12.81	-3.73	0.00	-269.20	0.00	269.20	2,084.29	1,042.14	2,474.81	1,222.21	5.24	-1.06	0.226
51.00	-12.62	-3.71	0.00	-263.60	0.00	263.60	2,073.42	1,036.71	2,442.39	1,206.21	5.58	-1.10	0.225
52.50	-12.43	-3.68	0.00	-258.03	0.00	258.03	2,062.47	1,031.24	2,410.08	1,190.25	5.93	-1.13	0.223
54.00	-12.23	-3.66	0.00	-252.51	0.00	252.51	2,051.44	1,025.72	2,377.87	1,174.34	6.29	-1.17	0.221
55.50	-12.04	-3.63	0.00	-247.02	0.00	247.02	2,040.31	1,020.16	2,345.78	1,158.49	6.66	-1.21	0.219
57.00	-11.85	-3.61	0.00	-241.57	0.00	241.57	2,029.10	1,014.55	2,313.79	1,142.69	7.05	-1.25	0.217
58.50	-11.66	-3.58	0.00	-236.16	0.00	236.16	2,017.80	1,008.90	2,281.91	1,126.95	7.45	-1.28	0.215
60.00	-11.48	-3.55	0.00	-230.79	0.00	230.79	2,006.42	1,003.21	2,250.16	1,111.27	7.86	-1.32	0.213
61.50	-11.29	-3.53	0.00	-225.46	0.00	225.46	1,994.95	997.48	2,218.52	1,095.64	8.28	-1.36	0.211
63.00	-11.11	-3.50	0.00	-220.17	0.00	220.17	1,983.39	991.70	2,186.99	1,080.07	8.71	-1.40	0.209
64.50	-10.92	-3.47	0.00	-214.92	0.00	214.92	1,971.75	985.87	2,155.59	1,064.57	9.15	-1.43	0.207
66.00	-10.74	-3.45	0.00	-209.71	0.00	209.71	1,954.97	977.48	2,118.85	1,046.42	9.61	-1.47	0.206
67.50	-10.56	-3.42	0.00	-204.53	0.00	204.53	1,938.18	969.09	2,082.42	1,028.43	10.08	-1.51	0.204
69.00	-10.38	-3.39	0.00	-199.40	0.00	199.40	1,921.40	960.70	2,046.30	1,010.59	10.56	-1.55	0.203
70.00	-10.26	-3.37	0.00	-196.01	0.00	196.01	1,910.22	955.11	2,022.40	998.79	10.88	-1.57	0.202
70.50	-10.16	-3.37	0.00	-194.32	0.00	194.32	1,904.62	952.31	2,010.50	992.91	11.05	-1.58	0.201

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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**

**37 Iterations**

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

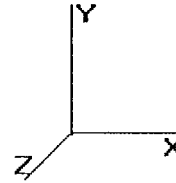
**Wind Importance Factor : 1.00**

72.00	-9.88	-3.33	0.00	-189.27	0.00	189.27	1,887.84	943.92	1,975.02	975.39	11.55	-1.62	0.199
73.50	-9.60	-3.30	0.00	-184.27	0.00	184.27	1,871.06	935.53	1,939.85	958.02	12.07	-1.66	0.197
73.58	-9.58	-3.30	0.00	-184.00	0.00	184.00	1,431.04	715.52	1,520.04	750.69	12.10	-1.66	0.252
75.00	-9.44	-3.28	0.00	-179.32	0.00	179.32	1,423.81	711.90	1,499.70	740.64	12.59	-1.70	0.249
76.50	-9.28	-3.25	0.00	-174.41	0.00	174.41	1,416.06	708.03	1,478.21	730.03	13.13	-1.74	0.245
78.00	-9.13	-3.22	0.00	-169.53	0.00	169.53	1,408.23	704.11	1,456.78	719.45	13.69	-1.78	0.242
79.50	-8.98	-3.20	0.00	-164.70	0.00	164.70	1,400.31	700.15	1,435.40	708.89	14.26	-1.83	0.239
81.00	-8.84	-3.17	0.00	-159.90	0.00	159.90	1,392.30	696.15	1,414.09	698.37	14.84	-1.87	0.235
82.50	-8.69	-3.14	0.00	-155.15	0.00	155.15	1,384.21	692.10	1,392.84	687.87	15.43	-1.92	0.232
84.00	-8.54	-3.11	0.00	-150.44	0.00	150.44	1,376.03	688.01	1,371.66	677.41	16.04	-1.96	0.228
85.50	-8.40	-3.09	0.00	-145.77	0.00	145.77	1,367.76	683.88	1,350.54	666.98	16.66	-2.00	0.225
87.00	-8.25	-3.06	0.00	-141.14	0.00	141.14	1,359.41	679.70	1,329.50	656.59	17.30	-2.05	0.221
88.50	-8.11	-3.03	0.00	-136.55	0.00	136.55	1,350.96	675.48	1,308.53	646.23	17.95	-2.09	0.217
90.00	-7.97	-3.00	0.00	-132.00	0.00	132.00	1,342.44	671.22	1,287.63	635.91	18.61	-2.13	0.214
91.50	-7.83	-2.98	0.00	-127.49	0.00	127.49	1,333.82	666.91	1,266.81	625.63	19.29	-2.17	0.210
93.00	-7.69	-2.95	0.00	-123.03	0.00	123.03	1,325.12	662.56	1,246.08	615.39	19.98	-2.22	0.206
94.50	-7.55	-2.92	0.00	-118.60	0.00	118.60	1,316.34	658.17	1,225.42	605.19	20.68	-2.26	0.202
96.00	-7.41	-2.89	0.00	-114.22	0.00	114.22	1,307.46	653.73	1,204.86	595.03	21.40	-2.30	0.198
97.50	-7.27	-2.87	0.00	-109.88	0.00	109.88	1,298.50	649.25	1,184.38	584.92	22.12	-2.34	0.193
99.00	-7.13	-2.84	0.00	-105.58	0.00	105.58	1,289.45	644.73	1,163.99	574.85	22.87	-2.38	0.189
100.50	-7.00	-2.81	0.00	-101.32	0.00	101.32	1,280.32	640.16	1,143.69	564.83	23.62	-2.42	0.185
102.00	-6.86	-2.78	0.00	-97.10	0.00	97.10	1,271.10	635.55	1,123.49	554.85	24.39	-2.46	0.180
103.50	-6.73	-2.75	0.00	-92.93	0.00	92.93	1,261.73	630.87	1,103.34	544.90	25.17	-2.50	0.176
105.00	-6.60	-2.73	0.00	-88.80	0.00	88.80	1,248.31	624.15	1,079.85	533.30	25.96	-2.54	0.172
106.50	-6.47	-2.70	0.00	-84.71	0.00	84.71	1,234.88	617.44	1,056.61	521.82	26.77	-2.58	0.168
108.00	-6.34	-2.67	0.00	-80.66	0.00	80.66	1,221.46	610.73	1,033.63	510.47	27.58	-2.62	0.163
109.50	-6.21	-2.64	0.00	-76.65	0.00	76.65	1,208.03	604.02	1,010.90	499.24	28.41	-2.66	0.159
110.00	-6.16	-2.63	0.00	-75.33	0.00	75.33	1,203.56	601.78	1,003.38	495.53	28.69	-2.67	0.157
110.00	-6.16	-2.63	0.00	-75.33	0.00	75.33	829.71	414.85	695.98	343.72	28.69	-2.67	0.227
111.00	-6.09	-2.62	0.00	-72.70	0.00	72.70	826.14	413.07	687.80	339.68	29.25	-2.69	0.221
112.50	-5.98	-2.59	0.00	-68.78	0.00	68.78	820.71	410.35	675.55	333.63	30.11	-2.74	0.213
114.00	-5.88	-2.56	0.00	-64.89	0.00	64.89	815.19	407.60	663.34	327.60	30.97	-2.79	0.205
115.50	-5.77	-2.54	0.00	-61.05	0.00	61.05	809.59	404.79	651.16	321.58	31.86	-2.83	0.197
117.00	-5.66	-2.51	0.00	-57.24	0.00	57.24	803.90	401.95	639.02	315.59	32.75	-2.88	0.188
118.00	-5.30	-2.16	0.00	-54.73	0.00	54.73	800.06	400.03	630.94	311.60	33.36	-2.91	0.182
118.50	-5.27	-2.15	0.00	-53.65	0.00	53.65	798.12	399.06	626.91	309.61	33.66	-2.92	0.180
120.00	-5.17	-2.12	0.00	-50.43	0.00	50.43	792.26	396.13	614.85	303.65	34.59	-2.96	0.173
121.50	-5.07	-2.10	0.00	-47.24	0.00	47.24	786.31	393.16	602.83	297.72	35.53	-3.00	0.165
123.00	-4.98	-2.07	0.00	-44.10	0.00	44.10	780.28	390.14	590.86	291.80	36.47	-3.04	0.158
124.50	-4.88	-2.04	0.00	-40.99	0.00	40.99	774.15	387.08	578.94	285.92	37.44	-3.08	0.150
126.00	-4.79	-2.02	0.00	-37.92	0.00	37.92	767.95	383.97	567.07	280.05	38.41	-3.12	0.142
127.50	-4.70	-1.99	0.00	-34.90	0.00	34.90	761.65	380.82	555.25	274.22	39.39	-3.15	0.133
128.00	-4.39	-1.84	0.00	-33.90	0.00	33.90	759.53	379.77	551.32	272.28	39.72	-3.16	0.130
129.00	-4.34	-1.82	0.00	-32.06	0.00	32.06	755.27	377.63	543.49	268.41	40.39	-3.18	0.125
130.50	-4.25	-1.80	0.00	-29.33	0.00	29.33	748.80	374.40	531.78	262.63	41.39	-3.22	0.117
132.00	-4.17	-1.77	0.00	-26.63	0.00	26.63	742.24	371.12	520.14	256.88	42.41	-3.25	0.109
133.50	-4.09	-1.75	0.00	-23.98	0.00	23.98	735.60	367.80	508.56	251.16	43.43	-3.27	0.101
135.00	-4.00	-1.72	0.00	-21.36	0.00	21.36	728.87	364.43	497.05	245.47	44.46	-3.30	0.093
136.50	-3.92	-1.69	0.00	-18.78	0.00	18.78	722.05	361.03	485.60	239.82	45.50	-3.33	0.084
138.00	-3.02	-1.30	0.00	-16.24	0.00	16.24	715.15	357.58	474.23	234.20	46.55	-3.35	0.074
139.50	-2.96	-1.28	0.00	-14.28	0.00	14.28	707.44	353.72	462.46	228.39	47.61	-3.37	0.067
141.00	-2.91	-1.25	0.00	-12.36	0.00	12.36	697.37	348.68	449.31	221.90	48.67	-3.39	0.060
142.50	-2.85	-1.23	0.00	-10.48	0.00	10.48	687.30	343.65	436.35	215.50	49.73	-3.40	0.053
144.00	-2.80	-1.21	0.00	-8.64	0.00	8.64	677.23	338.62	423.59	209.19	50.80	-3.42	0.045
145.50	-2.74	-1.18	0.00	-6.82	0.00	6.82	667.16	333.58	411.01	202.98	51.88	-3.43	0.038
147.00	-2.69	-1.16	0.00	-5.05	0.00	5.05	657.09	328.55	398.62	196.87	52.96	-3.44	0.030
148.50	-2.64	-1.14	0.00	-3.31	0.00	3.31	647.03	323.51	386.43	190.84	54.04	-3.45	0.021

Pole : 302473  
Location : E HFR - Prestige Park, CT  
Height : 150.0 (ft)  
Base Dia : 36.00 (in)  
Top Dia : 14.50 (in)  
Shape : 12 Sides  
Taper : 0.150831 (in/ft)

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

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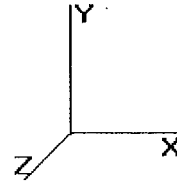
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	37 Iterations
<b>Gust Response Factor:</b> 1.10		<b>Wind Importance Factor:</b> 1.00
<b>Dead Load Factor:</b> 1.00		
<b>Wind Load Factor:</b> 1.00		

150.00 0.00 -0.98 0.00 -1.61 0.00 1.61 636.96 318.48 374.42 184.91 55.12 -3.45 0.009

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150831 (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

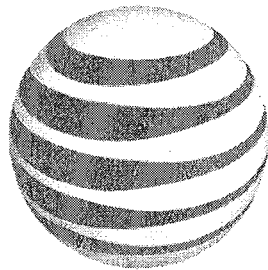
Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	18.00	0.00	25.28	0.00	0.00	1917.66	73.58	1.00
0.9D + 1.6W	17.99	0.00	18.95	0.00	0.00	1873.29	73.58	0.96
1.2D + 1.0Di + 1.0Wi	4.53	0.00	47.60	0.00	0.00	568.31	73.58	0.34
1.0D + 1.0W	4.48	0.00	21.08	0.00	0.00	473.89	73.58	0.25



C Squared Systems, LLC  
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Calculated Radio Frequency Emissions



at&t

CT1002

(East Hartford)

2 Prestige Park Road, East Hartford, CT 06108

(a.k.a. 310 Prestige Park Drive)

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April 23, 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 at 2 Prestige Park Road in East Hartford, CT. The coordinates of the tower are 41-47-18.01 N, 72-36-01.99 W.

AT&T is proposing the following modifications:

- 1) Install three 700 MHz LTE antennas (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 ( $\text{mW}/\text{cm}^2$ ). 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:

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

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 pattern 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 <sup>2</sup> )	Limit	%MPE
<i>Cingular UMTS</i>	152	1935	1	500	0.0078	1.0000	0.78%
<i>Cingular GSM</i>	152	880	2	296	0.0092	0.5867	1.57%
<i>Cingular GSM</i>	152	1930	2	427	0.0133	1.0000	1.33%
Clearwire Antennas	118	2496	2	153	0.0079	1.0000	0.79%
Clearwire Microwave	118	11000	1	211	0.0054	1.0000	0.54%
Clearwire Microwave	118	11000	1	211	0.0054	1.0000	0.54%
Pocket	128	2130	3	631	0.0415	1.0000	4.15%
Sprint	138	1962.5	11	250.5	0.0520	1.0000	5.20%
AT&T UMTS	152	880	2	565	0.0018	0.5867	0.30%
AT&T UMTS	152	1900	2	875	0.0027	1.0000	0.27%
AT&T LTE	152	734	1	1313	0.0020	0.4893	0.42%
AT&T GSM	152	880	1	283	0.0004	0.5867	0.08%
AT&T GSM	152	1900	4	525	0.0033	1.0000	0.33%
						<b>Total</b>	<b>12.63%</b>

**Table 1: Carrier Information<sup>1 2</sup>**

<sup>1</sup> The existing CSC filing for Cingular 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 3/29/2012. 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 identically match the total value reflected in the table.

<sup>2</sup> 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.

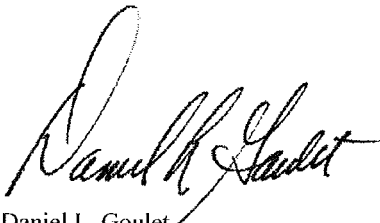
## 5. Conclusion

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 **12.63% 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

April 23, 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 Exposure<sup>3</sup>**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f <sup>2</sup> )*	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 Exposure<sup>4</sup>**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (E) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f <sup>2</sup> )*	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)**

<sup>3</sup> 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

<sup>4</sup> 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

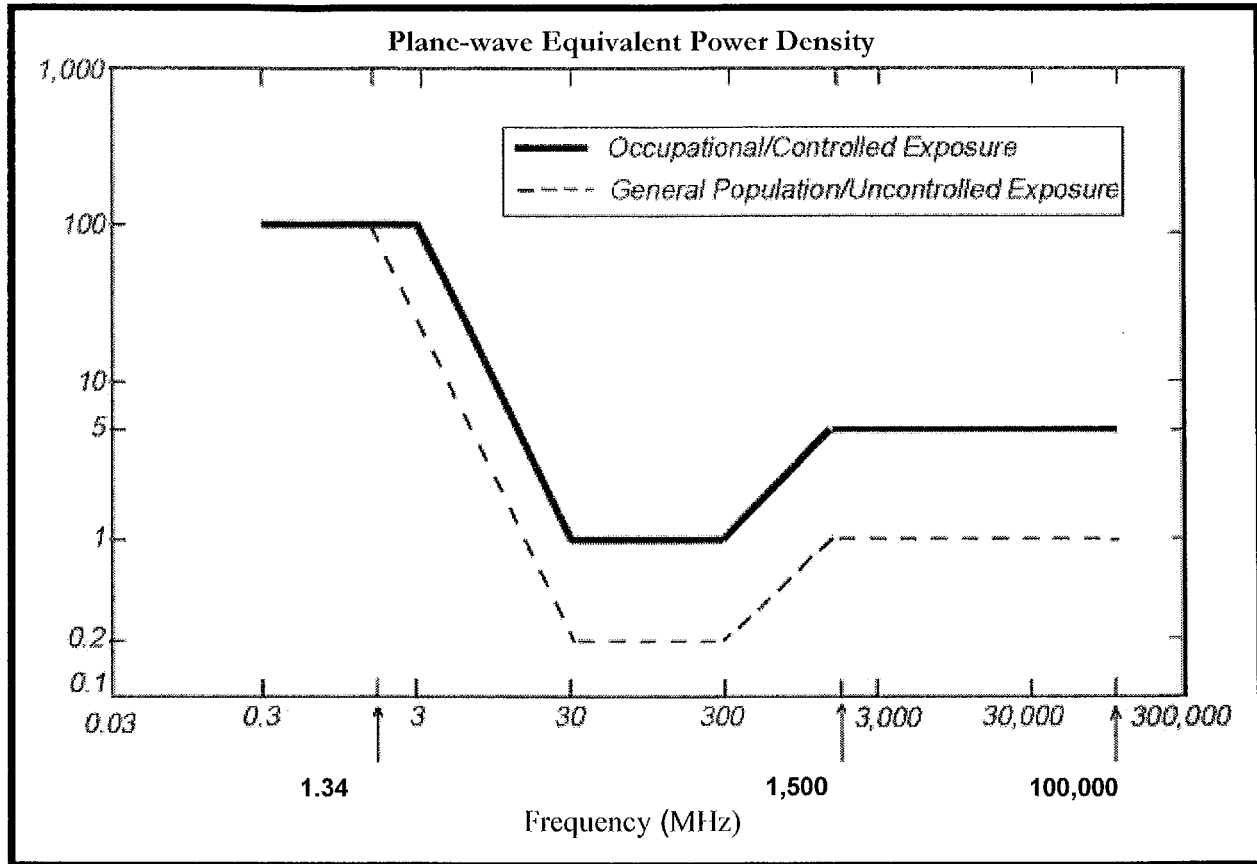
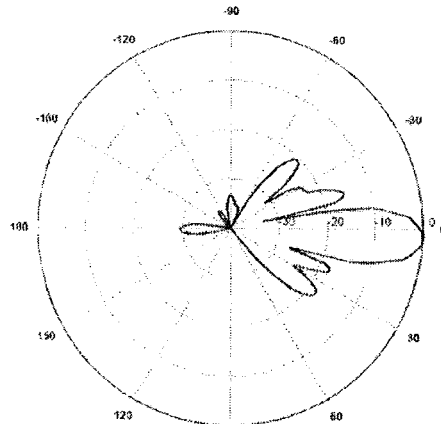
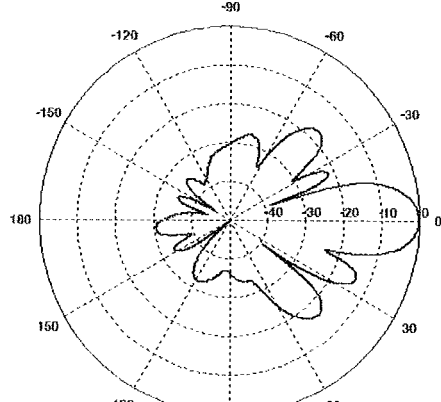
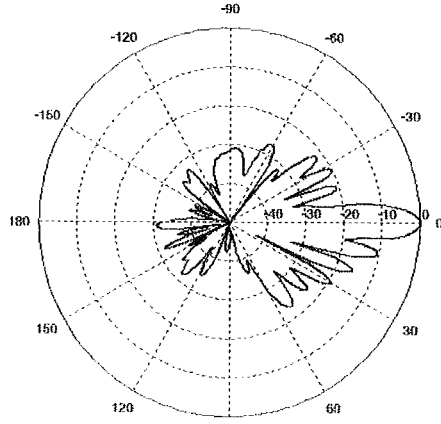


Figure 1: Graph of FCC Limits for Maximum Permissible Exposure (MPE)

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

<p><b>700 MHz</b></p> <p>Manufacturer: KMW            Model #: AM-X-CD-16-65-00T            Frequency Band: 698-806 MHz            Gain: 13.4 dBd            Vertical Beamwidth: 12.3°            Horizontal Beamwidth: 65°            Polarization: Dual Slant ± 45°            Size L x W x D: 72.0" x 11.8" x 5.9"</p>	
<p><b>850 MHz</b></p> <p>Manufacturer: Powerwave            Model #: 7770.00            Frequency Band: 824-896 MHz            Gain: 11.4 dBd            Vertical Beamwidth: 15°            Horizontal Beamwidth: 85°            Polarization: Dual Linear ±45°            Size L x W x D: 55.4" x 11.0" x 5.0"</p>	
<p><b>1900 MHz</b></p> <p>Manufacturer: Powerwave            Model #: 7770.00            Frequency Band: 1850-1990 MHz            Gain: 13.4 dBd            Vertical Beamwidth: 7°            Horizontal Beamwidth: 90°            Polarization: Dual Linear ±45°            Size L x W x D: 55.4" x 11.0" x 5.0"</p>	

**PROJECT INFORMATION**

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY MODIFICATIONS  
 SITE ADDRESS: 2 PRESTIGE PARK ROAD  
 A/K/A 284-310 PRESTIGE PARK ROAD  
 EAST HARTFORD, CT 06108  
 LATITUDE: 41.788306 N 41° 47' 17.9" N  
 LONGITUDE: 72.600250 W 72° 36' 0.9" W  
 JURISDICTION: NATIONAL, STATE & LOCAL CODES OR ORDINANCES  
 CURRENT USE: TELECOMMUNICATIONS FACILITY  
 PROPOSED USE: TELECOMMUNICATIONS FACILITY  
 TAX ID: MAP 49 / LOT 14  
 ZONING: INDUSTRIAL 3 (I-3)  
 STRUCTURE OWNER: AMERICAN TOWER  
 10 PRESIDENTIAL WAY  
 WOBURN, MA 01801  
 PROPERTY OWNER: FREMONT PRESTIGE II, LLC  
 C/O FREMONT MANAGEMENT, LLC  
 65 LA SALLE RD, SUITE 202  
 WEST HARTFORD, CT 06107



**SITE NUMBER: CT1002**  
**SITE NAME: EAST HARTFORD**

**DRAWING INDEX**

**REV**

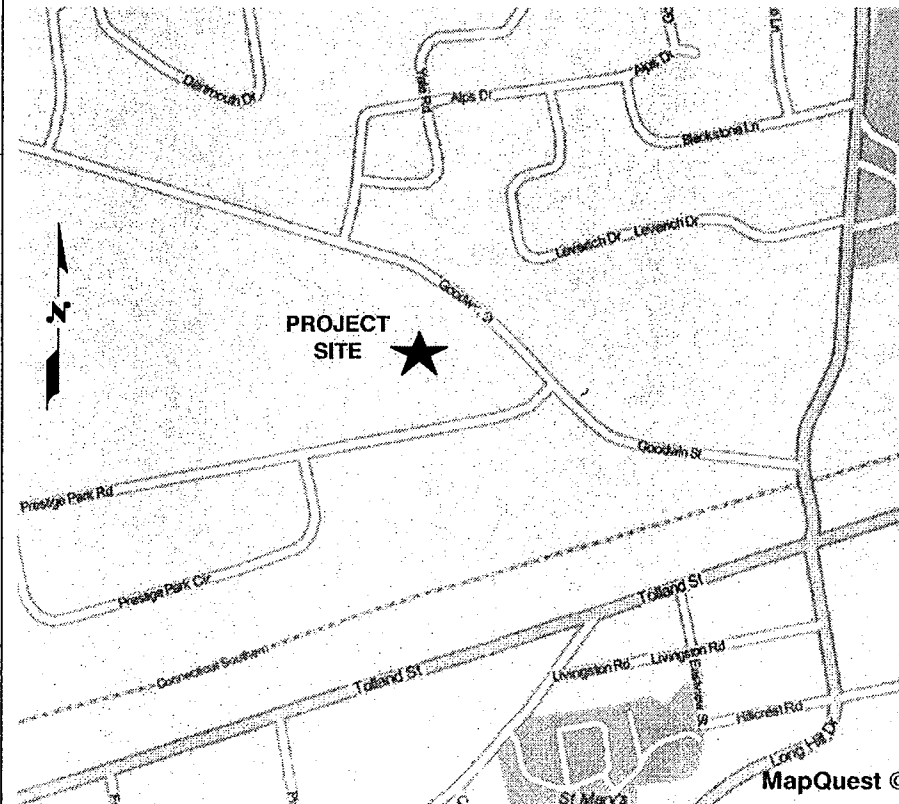
**VICINITY MAP**

**GENERAL NOTES**

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

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

DIRECTIONS:  
 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. MERGE ONTO CT-15 N VIA EXIT 29 TOWARD I-84 E / E. HARTFORD / BOSTON. TAKE THE SILVER LANE EXIT, EXIT 91, TOWARD ROBERTS ST. TURN SLIGHT RIGHT ONTO SILVER LANE. TURN LEFT ONTO ROBERTS ST. TURN LEFT ONTO HILLSIDE ST. TURN RIGHT ONTO BURNSIDE AVE / US-44. TURN LEFT ONTO SCHOOL ST. TAKE THE 2ND RIGHT ONTO PRESTIGE PARK RD. 2 PRESTIGE PARK RD IS ON THE LEFT.



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.

CALL  
 BEFORE YOU DIG   
 CALL TOLL FREE 800-922-4455

**UNDERGROUND SERVICE ALERT**

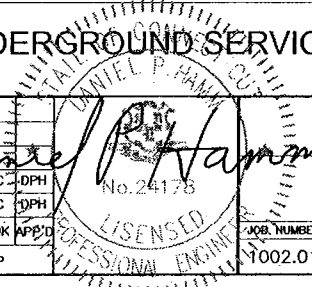
**Hudson Design Group, Inc.**  
 1600 OSGOOD STREET  
 BUILDING 20 NORTH, SUITE 2-101  
 N. ANDOVER, MA 01845  
 TEL: (978) 557-5553  
 FAX: (978) 336-5386

**NEXLINK GLOBAL SERVICES**  
 a UniTel GLOBAL SERVICES company  
 800 MARSHALL PHELPS ROAD UNIT#: 2A  
 WINDSOR, CT 06095

**SITE NUMBER: CT1002**  
**SITE NAME: EAST HARTFORD**  
 2 PRESTIGE PARK ROAD  
 EAST HARTFORD, CT 06108  
 HARTFORD COUNTY

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

		AT&T	
		TITLE SHEET (LTE)	
NO.	DATE	REVISIONS	BY
1	04/04/12	ISSUED FOR CONSTRUCTION	PN DC DPH
0	03/05/12	ISSUED FOR REVIEW	RP OC DPH
SCALE: AS SHOWN		DESIGNED BY: RP	DRAWN BY: RP
		JOB NUMBER: 1002.01	DRAWING NUMBER: T-1
		REV: 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) LIGHTNING 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 OF 1/2 IN. OR GREATER ELECTRICALLY CONDUCTIVE REINFORCING STEEL MUST HAVE IT BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE 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  
 LIGHTNING 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	NOT TO SCALE		TBRR	TO BE REMOVED AND REPLACED
EG	EQUIPMENT GROUND	REFERENCE		TYP	TYPICAL
EGR	EQUIPMENT GROUND RING	REQUIRED			

1600 OSGOOD STREET  
 BUILDING 20 NORTH, SUITE 2-101  
 LYNDEN, MA 01845  
 TEL: (978) 557-5553  
 FAX: (978) 336-5586

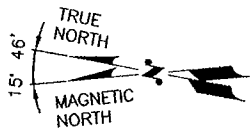
a UniTek GLOBAL SERVICES company  
 800 MARSHALL PHELPS ROAD UNIT#: 2A  
 WINDSOR, CT 06095

**SITE NUMBER: CT1002**  
**SITE NAME: EAST HARTFORD**  
 2 PRESTIGE PARK ROAD  
 EAST HARTFORD, CT 06108  
 HARTFORD COUNTY

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

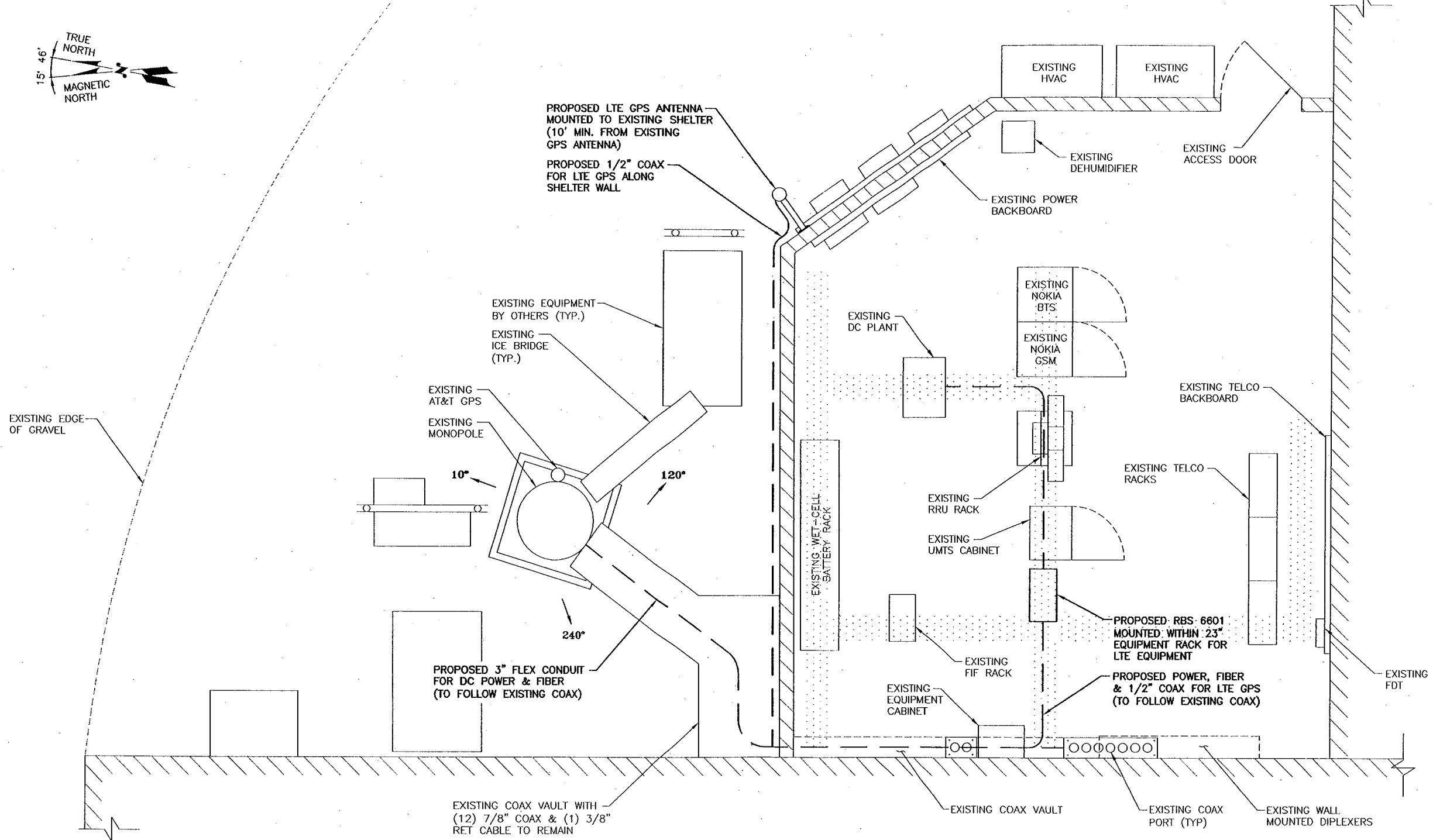
1 04/04/12 ISSUED FOR CONSTRUCTION		PK	DC	DPH	AT&T GENERAL NOTES (LTE)
0 03/05/12 ISSUED FOR REVIEW		RP	DC	DPH	
NO.	DATE	REVISIONS	BY	CHK	APP'D
SCALE: AS SHOWN		DESIGNED BY: RP	DRAWN BY: RP		
JOB NUMBER: Y002.01					DRAWING NUMBER: GN-1
					REV: 1





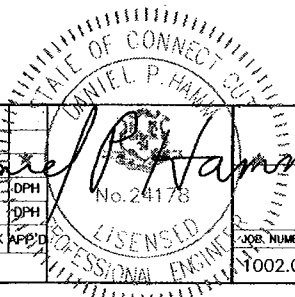
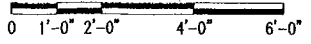
**NOTE:**  
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

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



**COMPOUND & EQUIPMENT PLAN**

SCALE: 1/2"=1'-0"



**Hudson**  
Design Group, LLC

1600 OSGOOD STREET  
BUILDING 201 NORTH SUITE 2-101  
N. ANDOVER, MA 01845

TEL: (978) 557-5553  
FAX: (978) 339-5886

**NEXLINK**  
GLOBAL SERVICES

a UniTek GLOBAL SERVICES company

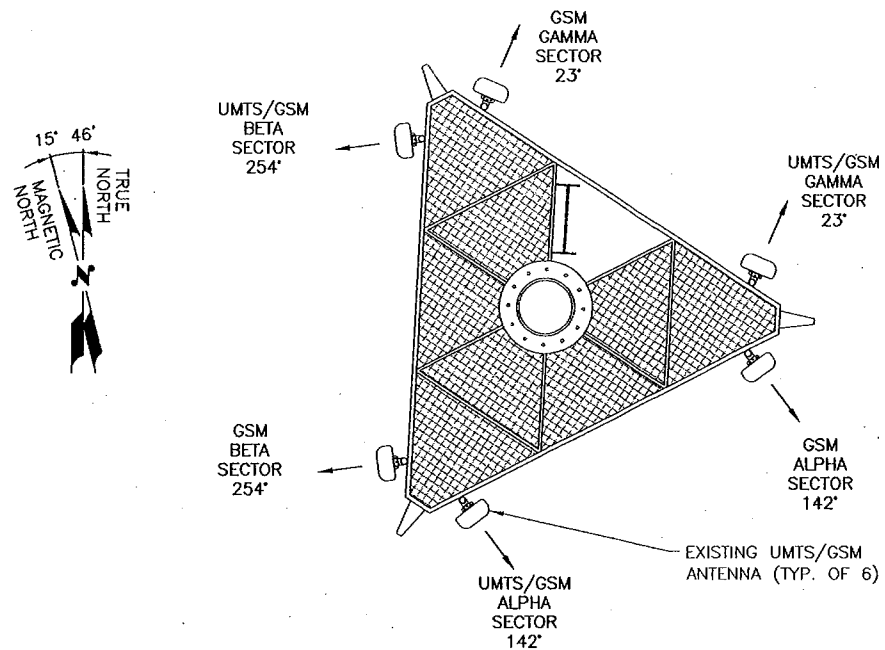
800 MARSHALL PHELPS ROAD UNIT#: 2A  
WINDSOR, CT 06095

**SITE NUMBER: CT1002**  
**SITE NAME: EAST HARTFORD**  
 2 PRESTIGE PARK ROAD  
 EAST HARTFORD, CT 06108  
 HARTFORD COUNTY

**at&t**

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

			AT&T		
			COMPOUND & EQUIPMENT PLAN (LTE)		
NO.	DATE	REVISIONS	BY	CHK	APP'D
1	04/04/12	ISSUED FOR CONSTRUCTION	PN	DC	DPH
0	03/05/12	ISSUED FOR REVIEW	RP	DC	DPH
SCALE: AS SHOWN			DESIGNED BY: RP	DRAWN BY: RP	
JOB NUMBER: 1002.01			DRAWING NUMBER: A-1		REV: 1

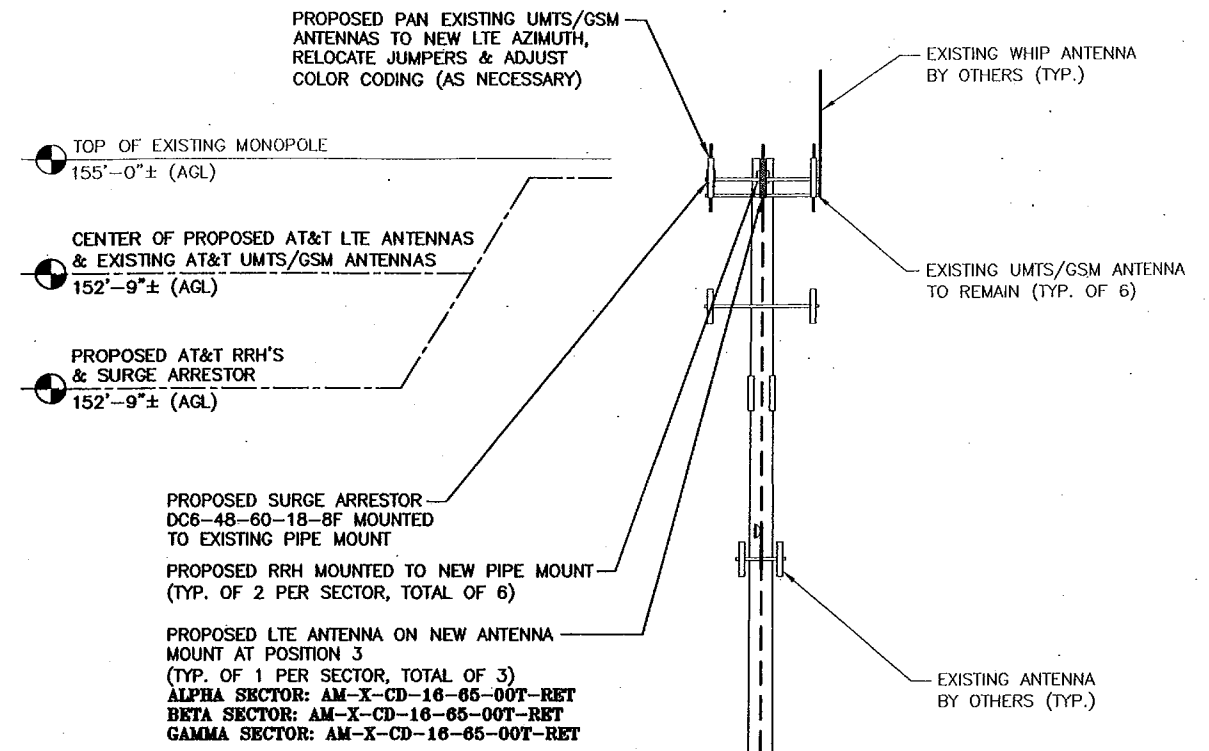


**EXISTING UMTS/GSM ANTENNA PLAN**

SCALE: N.T.S.

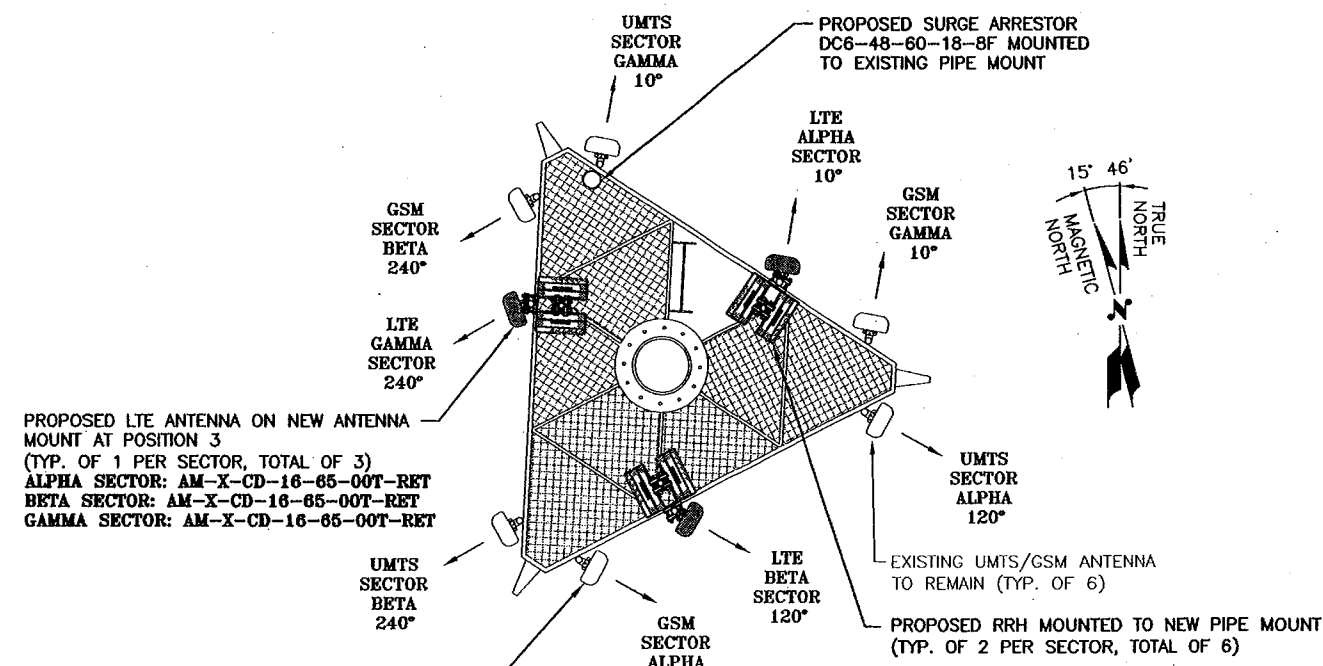
**NOTE:**  
REFER TO THE FINAL RF DATA SHEET FOR FINAL ANTENNA SETTINGS.

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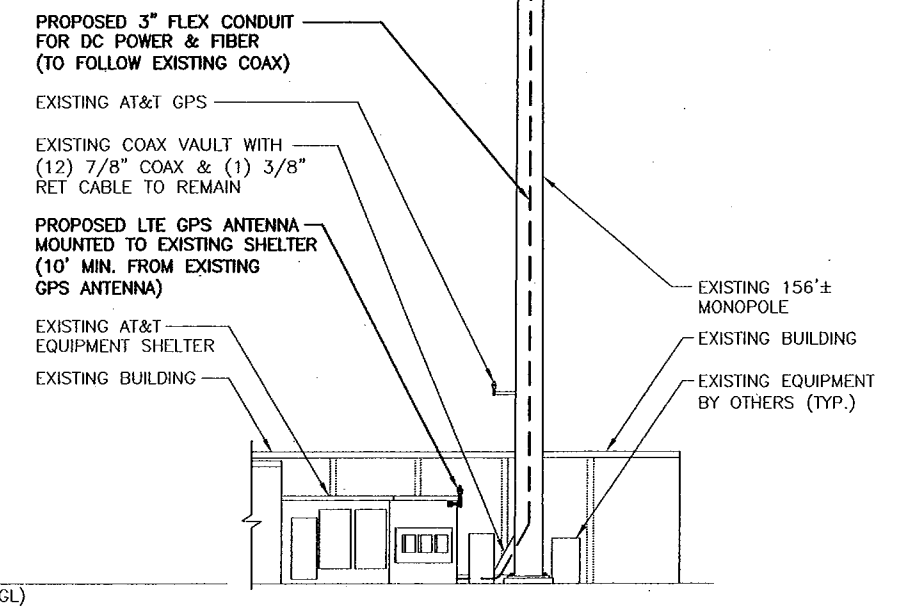
**EAST ELEVATION**

SCALE: 3/32"=1'-0"



**PROPOSED LTE ANTENNA PLAN**

SCALE: N.T.S.



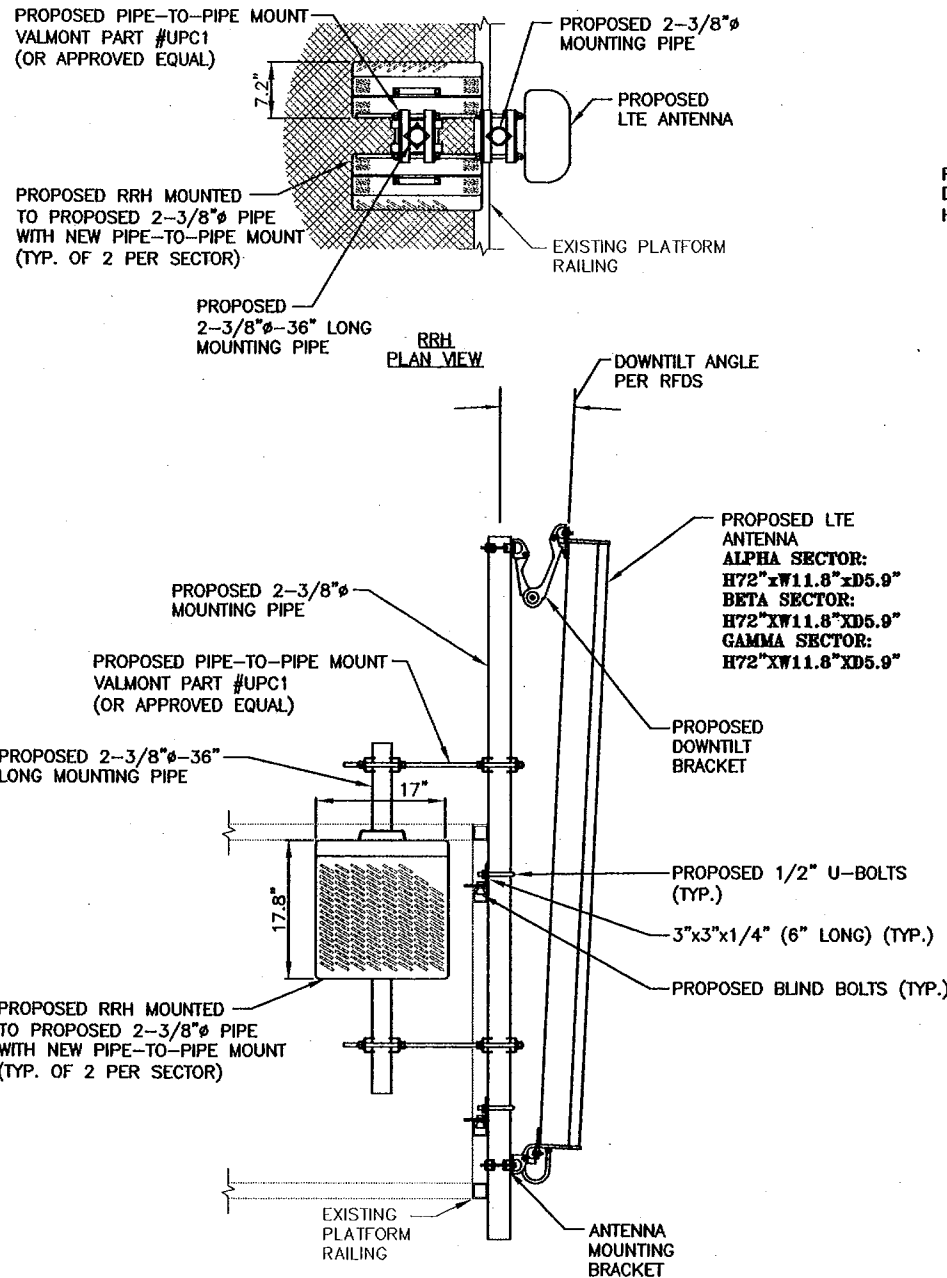
**Hudson Design Group**  
1620 OSGOOD STREET  
BUILDING 20 NORTH, SUITE 2-101  
H. ANDOVER, MA 01845  
TEL: (978) 557-5553  
FAX: (978) 336-5586

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WINDSOR, CT 06095

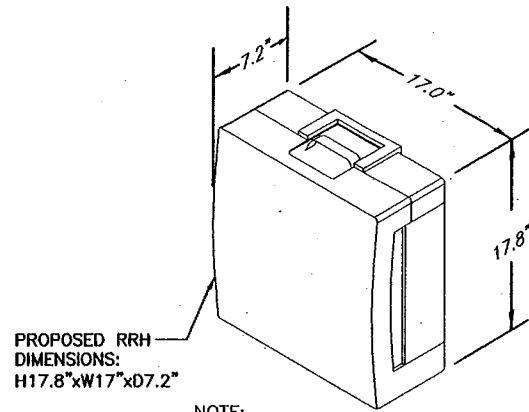
**SITE NUMBER: CT1002**  
**SITE NAME: EAST HARTFORD**  
2 PRESTIGE PARK ROAD  
EAST HARTFORD, CT 06108  
HARTFORD COUNTY

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

1		04/04/12	ISSUED FOR CONSTRUCTION	PN	DC	DPH		AT&T	
0		03/05/12	ISSUED FOR REVIEW	RP	DC	DPH			
NO.	DATE	REVISIONS		BY	CHK	APP	JOB NUMBER	DRAWING NUMBER	
							1002.01	A-2	
SCALE: AS SHOWN							DESIGNED BY: RP	DRAWN BY: RP	REV
								1	



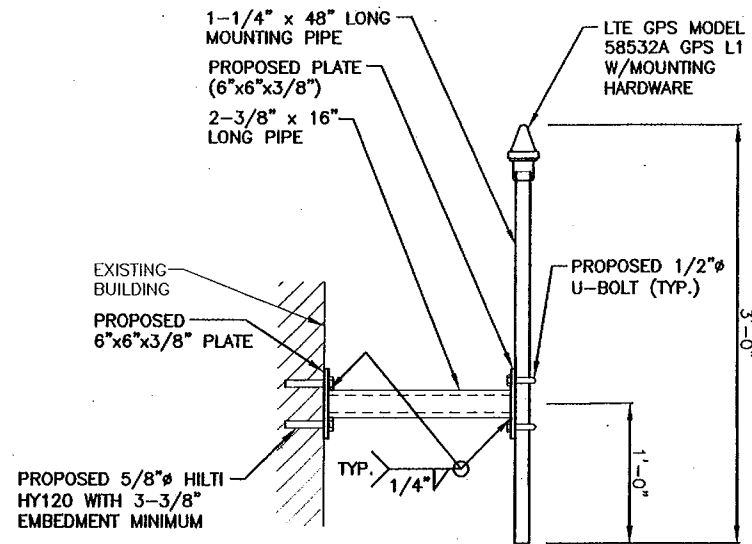
**PROPOSED RRH MOUNTING  
DETAIL**  
SCALE: N.T.S.



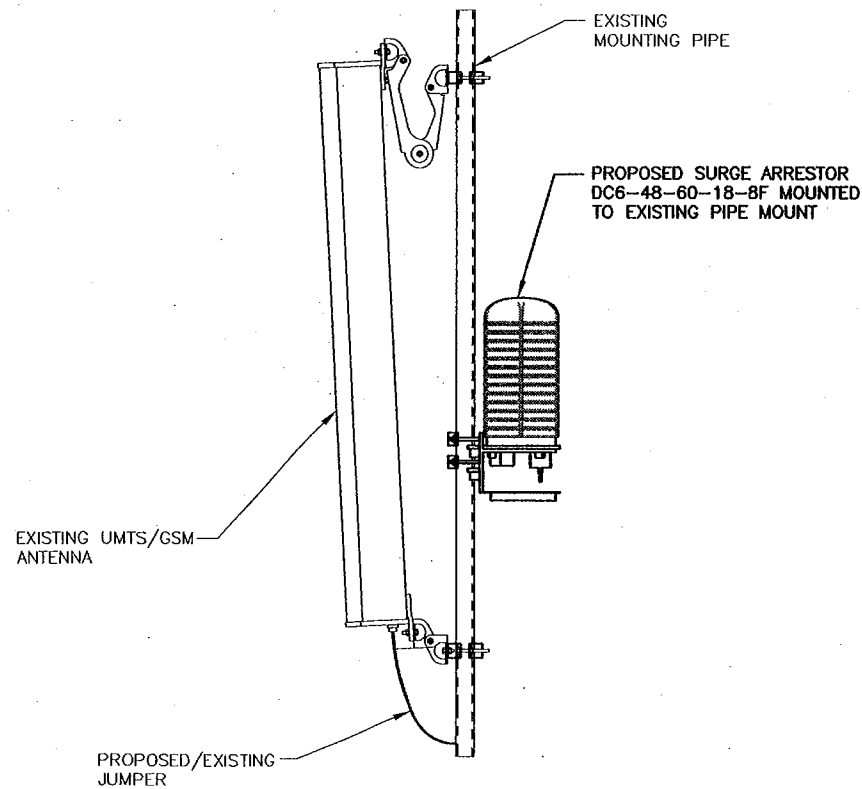
**RRH DETAIL**  
SCALE: N.T.S.

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

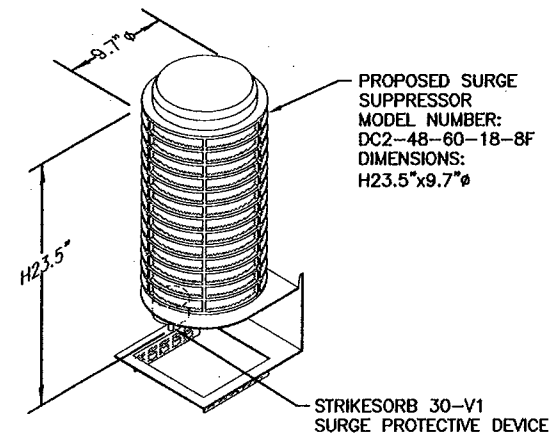
**NOTE:**  
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**GPS MOUNTED TO SHELTER**  
SCALE: N.T.S.



**PROPOSED SURGE SUPPRESSOR  
MOUNTING DETAIL**  
SCALE: N.T.S.



**DC SURGE SUPPRESSOR DETAIL**  
SCALE: N.T.S.

**Hudson Design Group**  
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**SITE NUMBER: CT1002**  
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HARTFORD COUNTY

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		AT&T	
		DETAILS (LTE)	
NO.	DATE	REVISIONS	BY
1	04/04/12	ISSUED FOR CONSTRUCTION	PN DC DPH
0	03/05/12	ISSUED FOR REVIEW	RP DC DPH
SCALE: AS SHOWN		DESIGNED BY: RP	DRAWN BY: RP
JOB NUMBER: 1002.01		DRAWING NUMBER: A-3	
		REV: 1	

