



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@ct.gov

www.ct.gov/csc

November 12, 2009

Jennifer Young Gaudet
Project Manager
HPC Development LLC
46 Mill Plain Road, 2nd Floor
Danbury, CT 06811

RE: **EM-CLEARWIRE-043-090923** – Clearwire Corporation notice of intent to modify an existing telecommunications facility located at 2 Prestige Park Road, East Hartford, Connecticut.

Dear Mrs. Gaudet:

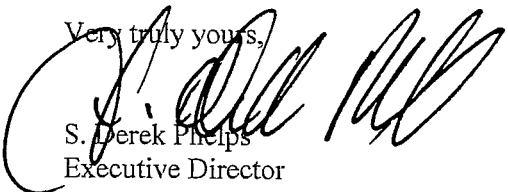
The Connecticut Siting Council (Council) hereby acknowledges your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated September 22, 2009, including the placement of all necessary equipment and shelters within the tower compound. 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. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

Thank you for your attention and cooperation.

Very truly yours,


S. Derek Phillips
Executive Director

SDP/MP/laf

c: The Honorable Melody A. Currey, Mayor, Town of East Hartford
Michael J. Dayton, Town Planner, Town of East Hartford
American Tower Corporation

Perrone, Michael

From: Jennifer Gaudet [jgaudet@hpcdevelop.com]
Sent: Monday, October 12, 2009 2:40 PM
To: Perrone, Michael
Subject: RE: EM-CLEARWIRE-043-090923 --- 2 Prestige Park Road, East Hartford
Attachments: STAMPED PDF.Clearwire @ 302473 E H F R - Prestige Park, CT CT (#43871621).Structural Analysis (99%).pdf

Mike --

Attached, per your request, is the full structural report for this site. Please let me know if you need hard copies and, if so, how many you would like.

Thanks.

Jennifer

Jennifer Young Gaudet
Project Manager

HPC Development LLC
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Danbury, CT 06811
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From: Perrone, Michael [mailto:Michael.Perrone@ct.gov]
Sent: Friday, October 02, 2009 1:56 PM
To: Jennifer Gaudet
Subject: EM-CLEARWIRE-043-090923 --- 2 Prestige Park Road, East Hartford

Hi Jennifer.

Could you email me the complete structural analysis report on this one (i.e. including all of the number crunching at the end)? It appears that the foundation passed, despite the fact that the Moment reaction was 111.3 percent of the design. I'm sure it did pass, but would like to have the full report in our records.

It's no rush. Feel free to send it at your convenience.

Have a good weekend.

Thanks.

Mike Perrone
Siting Analyst
CSC
860-827-2943
Michael.perrone@ct.gov

11/12/2009



AMERICAN TOWER®
CORPORATION

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 : Clearwire Corporation
Carrier Site Name : N/A
Carrier Site Number : N/A CT-HFD0040
County : Hartford
Eng. Number : 43871621
Date : August 31, 2009
Usage : 99% Pole Shaft, 98% Anchor Bolts,
79% (Approx. Base Plate)

Submitted by:
Cesar Rojas
Design Engineer

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



9/8/09

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 150 ft ITT Meyer 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 (Drawing # Type "B").

Analysis

The existing tower was analyzed using Semaan Engineering Solutions, Inc., Software. The analysis assumes that the tower is in good, undamaged, and non-corroded condition. A 5% overstress is allowed in the existing structural members to account for program variances.

Basic Wind Speed: 95.0 mph (3-Second Gust)
 Radial Ice: 50.0 mph (3-Second Gust) w/ 1" ice
 Standard/Code: ANSI/TIA-222-G / 2003 IBC / 2005 & 2008 CT Supplement

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	3	Diplexer	Platform w/rails	(12) 7/8 (I)	AT&T Mobility
	6	RCU			
	12	ADC CG-800DD			
	9	CSS DUO4-8670			
150.0	1	6' Omni		(1) 1 5/8 (I)	USA Mobility
138.0	9	Decibel DB980F65E-M	T-Arms	(18) 1 5/8 (I)	Sprint Nextel
128.0	3	RFS APXV18-206517S-C	Flush Mounts	(6) 1 5/8 (O)	Youghioghney
34.0	1	GPS	Stand-off	(1) 1/2 (O)	Sprint Nextel
30.0	1	GPS	Stand-off	(1) 1/2 (O)	AT&T Mobility

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax (I/O)	Carrier
118.0	3	Argus LLPX310R	Clearwire Mount	(2) 1/2 (I) (6) 5/16 (I)	Clearwire
	2	DragonWave Horizon Compact			
	2	DragonWave A-ANT-18G-2-C			
	3	NextNet BTS-2500			

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.

Results

The existing 150 ft ITT Meyer Monopole with the existing and the proposed antennas is structurally acceptable per ANSI/TIA-222 Rev G standards. The maximum structure usage is: 99% Pole Shaft, 98% Anchor Bolts, and 79% (Approx. Base Plate).

Additional exit and/or entry ports may be required to accommodate the running of the proposed lines to the proposed antennas. These additional ports may not be installed without installation drawings providing the location, size and welding requirements of each port.

To ensure compliance with all conditions of this structural analysis, port installation drawings shall be provided by American Tower’s Engineering Department under a subsequent project.

Pole Reactions	Original Design Reactions	Current Analysis Reactions	% Of Design
Moment (ft-kips)	1,197.0	1,799.0	111.3*
Shear (kips)	13.1	17.7	100.0*

* 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 or calculations. However, upon reviewing the foundation and the soil documents, the existing foundation was found to be adequate to resist the new reactions. Therefore, 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 line distribution 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 are in an un-corroded condition and have not deteriorated; and we, therefore, assume 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 :	Clearwire Corporation	Exposure :	B
Location :	E H F R - Prestige Park, CT	Topo :	1
Shape :	12 Sides	Base Elev (ft):	0.00
Height :	150.00 (ft)	Taper:	0.156700(in/ft)

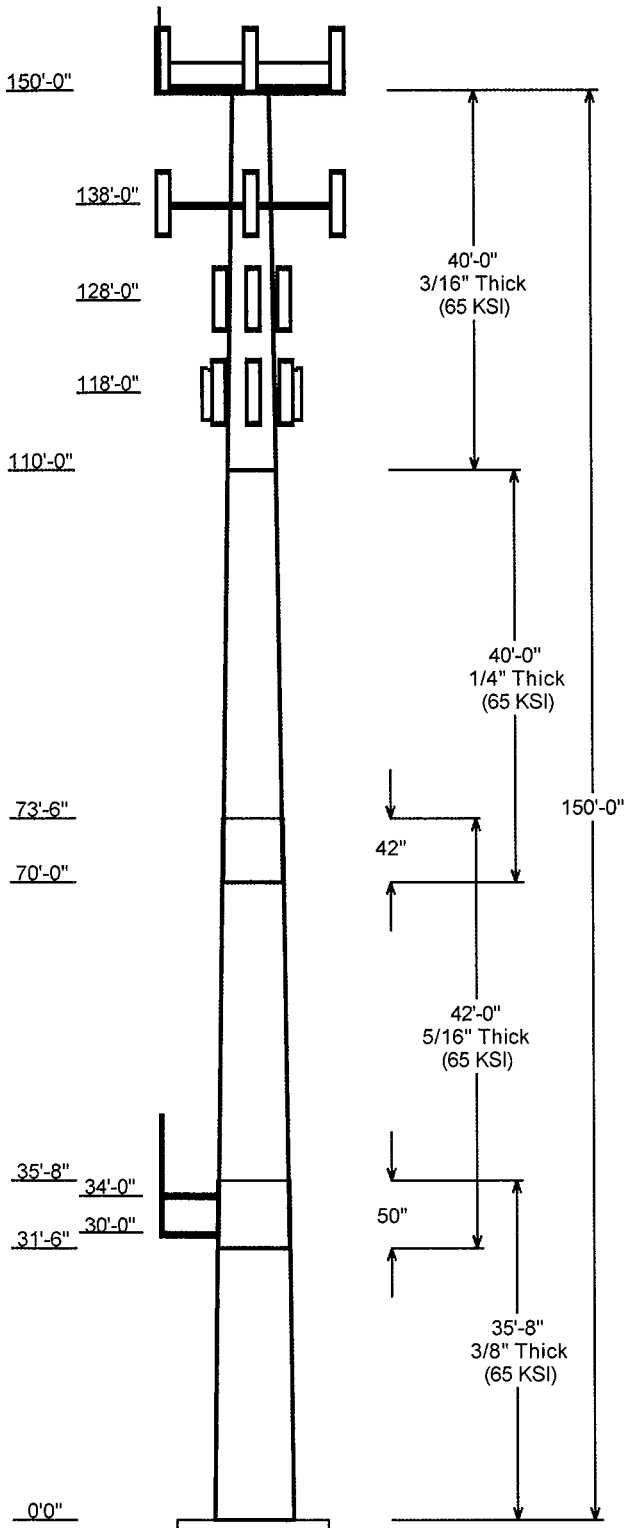
Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap Length (in)	Steel Taper (in/ft)	Grade (ksi)
		Across Top	Flats Bottom					
1	35.667	31.79	37.38	0.375		0.000	0.156700	65
2	42.000	26.48	33.06	0.313	Slip Joint	50.000	0.156700	65
3	40.000	21.26	27.53	0.250	Slip Joint	42.000	0.156700	65
4	40.000	15.00	21.26	0.188	Butt Joint	0.000	0.156700	65

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
150.000	150.000	3	Diplexer
150.000	150.000	6	RCU
150.000	150.000	12	ADC CG-800DD
150.000	151.750	9	CSS DUO4-8670
150.000	152.000	1	6' Omni
150.000	150.000	1	Platform w/rails-Calculated
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	1	Clearwire Mount
118.000	118.000	3	Argus LLPX310R
118.000	118.000	2	DragonWave Horizon Compact
118.000	118.000	2	DragonWave A-ANT-18G-2-C
118.000	118.000	3	NextNet BTS-2500
34.000	34.000	1	Stand-off
34.000	34.250	1	GPS
30.000	30.000	1	Stand-off
30.000	30.250	1	GPS

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
From	To		
0.000	30.000	1/2" Coax	Yes
0.000	34.000	1/2" Coax	Yes
0.000	118.0	1/2" Coax	No
0.000	118.0	5/16" Coax	No
0.000	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	7/8" Coax	No

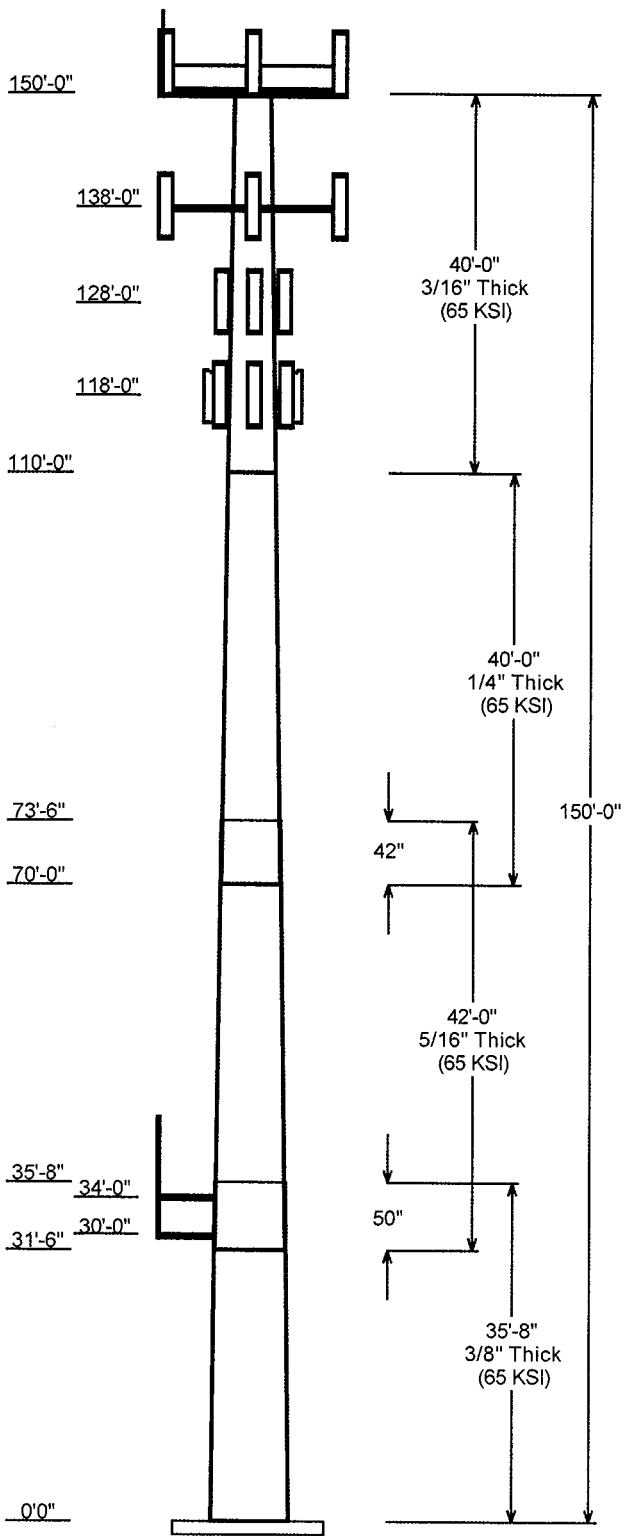
Load Cases	
1.2D + 1.6W	95.00 mph with No Ice
0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice
1.0D + 1.0W	60.00 mph Serviceability

Reactions			
Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W	1798.96	17.68	24.86
0.9D + 1.6W	1764.82	17.67	18.64

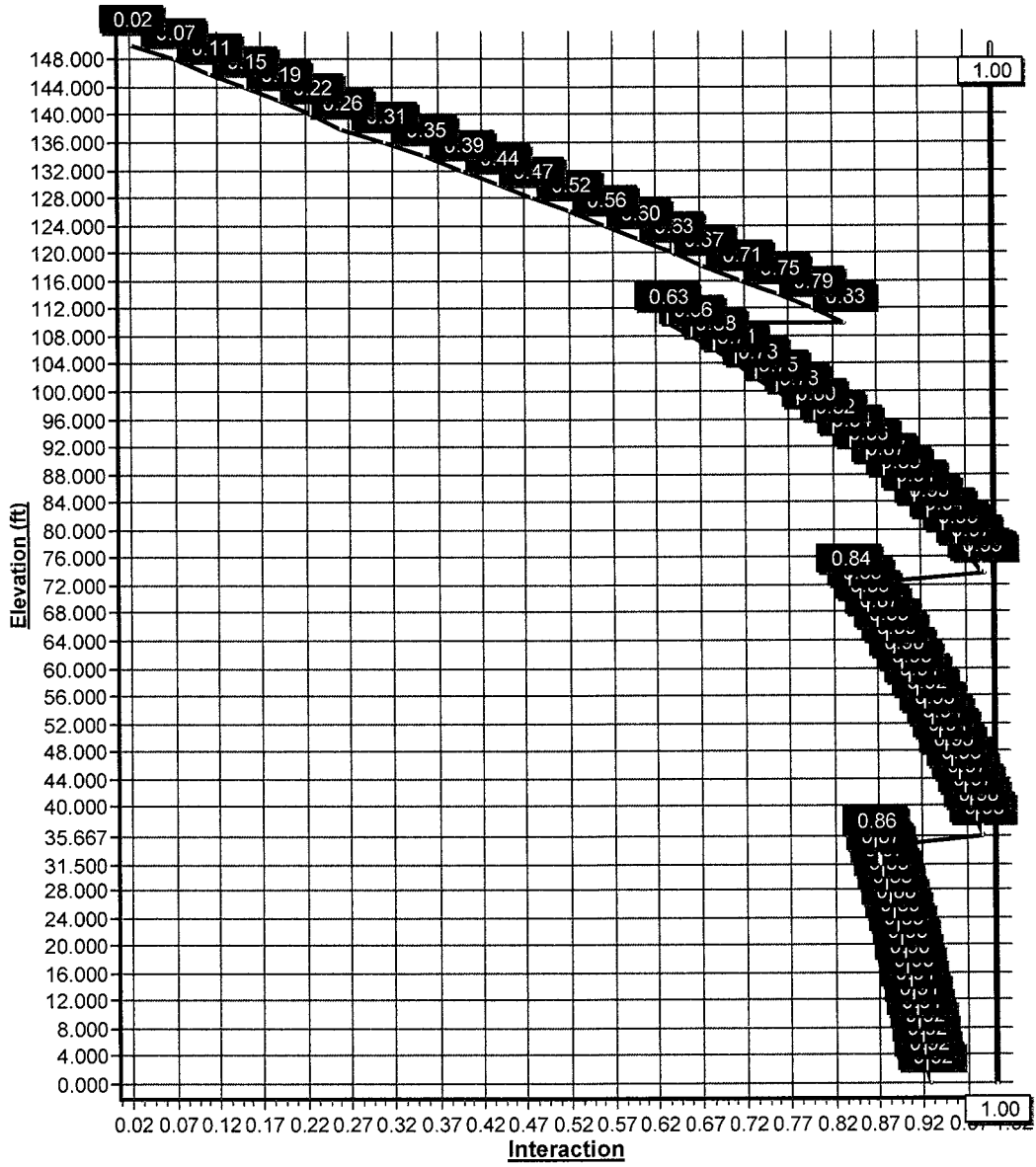


1.2D + 1.0Di + 1.0Wi	515.19	4.43	47.06
1.0D + 1.0W	444.64	4.41	20.73

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	118.00	27.194	2.331



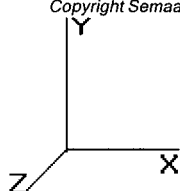
Load Case : 1.2D + 1.6W
Max Ratio 98.92% at 73.5ft



Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 1



Shaft Section Properties

Sect Num	Length (ft)	Thick (in)	Fv (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom						Top						
							Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)
1	35.667	0.3750	65		0.00	5,014	37.38	0.000	44.68	7810.1	24.57	99.68	31.79	35.66	37.93	4778.9	20.57	84.78	0.15670
2	42.000	0.3125	65	Slip Joint	50.00	4,237	33.06	31.50	32.96	4514.2	26.21	105.8	26.48	73.50	26.34	2303.3	20.57	84.76	0.15670
3	40.000	0.2500	65	Slip Joint	42.00	2,646	27.53	70.00	21.97	2087.4	27.37	110.1	21.26	110.0	16.92	954.0	20.65	85.07	0.15670
4	40.000	0.1875	65	Butt Joint	0.00	1,475	21.26	110.0	12.73	721.9	28.25	113.4	15.00	150.0	8.94	250.5	19.29	80.00	0.15670
Shaft Weight						13,372													

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)
150.0	Diplexer	3	5.00	0.700	0.50	9.65	1.351	0.50	0.000	0.000
150.0	RCU	6	1.00	0.160	0.50	1.93	0.309	0.50	0.000	0.000
150.0	ADC CG-800DD	12	13.90	1.250	0.50	26.84	2.413	0.50	0.000	0.000
150.0	CSS DUO4-8670	9	38.50	6.590	0.82	278.61	7.246	0.82	0.000	1.750
150.0	6' Omni	1	35.00	1.770	1.00	67.58	3.417	1.00	0.000	2.000
150.0	Platform w/rails-Calculated	1	1800.00	26.000	1.00	3475.41	50.200	1.00	0.000	0.000
138.0	Decibel DB980F65E-M	9	10.00	3.750	0.75	144.28	5.163	0.75	0.000	0.000
138.0	T-Arms	3	250.00	6.000	0.67	526.92	12.757	0.67	0.000	0.000
128.0	Flush Mounts	1	200.00	3.500	1.00	658.07	8.310	1.00	0.000	0.000
128.0	RFS APXV18-206517S-C	3	26.40	5.160	0.73	195.39	6.825	0.73	0.000	0.000
118.0	Clearwire Mount	1	40.00	8.500	1.00	83.62	17.769	1.00	0.000	0.000
118.0	Araus LLPX310R	3	28.60	4.830	0.75	179.27	5.486	0.75	0.000	0.000
118.0	DragonWave Horizon Compact	2	10.60	0.430	0.50	54.85	0.774	0.50	0.000	0.000
118.0	DragonWave A-ANT-18G-2-C	2	27.10	4.690	1.00	154.39	6.352	1.00	0.000	0.000
118.0	NextNet BTS-2500	3	35.00	2.120	0.80	116.09	2.559	0.80	0.000	0.000
34.00	Stand-off	1	50.00	2.000	1.00	90.12	3.605	1.00	0.000	0.000
34.00	GPS	1	1.50	0.600	1.00	2.70	1.081	1.00	0.000	0.250
30.00	Stand-off	1	50.00	2.000	1.00	89.62	3.585	1.00	0.000	0.000
30.00	GPS	1	1.50	0.600	1.00	2.69	1.075	1.00	0.000	0.250
Totals		63	3897.70			5901.79			Number of Loadings :	19

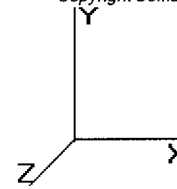
Linear Appurtenance Properties

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	(12) 7/8" Coax	0.00	N
0.00	138.00	(18) 1 5/8" Coax	0.00	N
0.00	128.00	(6) 1 5/8" Coax	1.98	Y
0.00	118.00	(2) 1/2" Coax	0.00	N
0.00	118.00	(6) 5/16" Coax	0.00	N
0.00	34.00	(1) 1/2" Coax	0.63	Y
0.00	30.00	(1) 1/2" Coax	0.63	Y

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



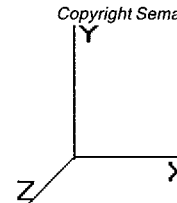
Segment Properties (Max Len : 2 ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in3)	Weight (lb)
0.00		0.3750	37.380	44.684	7,810.1	24.57	99.68	65.0	403.6	0.0
2.00		0.3750	37.067	44.305	7,613.3	24.34	98.84	65.0	396.8	302.8
4.00		0.3750	36.753	43.927	7,419.9	24.12	98.01	65.0	390.0	300.2
6.00		0.3750	36.440	43.548	7,229.8	23.89	97.17	65.0	383.3	297.7
8.00		0.3750	36.126	43.170	7,042.9	23.67	96.34	65.0	376.6	295.1
10.00		0.3750	35.813	42.791	6,859.3	23.45	95.50	65.0	370.0	292.5
12.00		0.3750	35.500	42.413	6,678.9	23.22	94.67	65.0	363.5	289.9
14.00		0.3750	35.186	42.035	6,501.7	23.00	93.83	65.0	357.0	287.4
16.00		0.3750	34.873	41.656	6,327.7	22.77	92.99	65.0	350.5	284.8
18.00		0.3750	34.559	41.278	6,156.8	22.55	92.16	65.0	344.2	282.2
20.00		0.3750	34.246	40.899	5,989.0	22.33	91.32	65.0	337.8	279.6
22.00		0.3750	33.933	40.521	5,824.3	22.10	90.49	65.0	331.6	277.1
24.00		0.3750	33.619	40.142	5,662.7	21.88	89.65	65.0	325.4	274.5
26.00		0.3750	33.306	39.764	5,504.0	21.65	88.82	65.0	319.3	271.9
28.00		0.3750	32.992	39.386	5,348.4	21.43	87.98	65.0	313.2	269.3
30.00		0.3750	32.679	39.007	5,195.7	21.21	87.14	65.0	307.1	266.8
31.50	Bot - Section 2	0.3750	32.444	38.723	5,083.1	21.04	86.52	65.0	302.7	198.4
32.00		0.3750	32.366	38.629	5,045.9	20.98	86.31	65.0	301.2	121.7
34.00		0.3750	32.052	38.250	4,899.1	20.76	85.47	65.0	295.3	484.3
35.67	Top - Section 1	0.3125	32.416	32.304	4,249.6	25.65	103.73	65.0	253.3	400.1
36.00		0.3125	32.364	32.252	4,228.9	25.61	103.56	65.0	252.4	36.6
38.00		0.3125	32.050	31.936	4,106.1	25.34	102.56	65.0	247.5	218.4
40.00		0.3125	31.737	31.621	3,985.6	25.07	101.56	65.0	242.6	216.3
42.00		0.3125	31.424	31.306	3,867.6	24.80	100.56	65.0	237.8	214.1
44.00		0.3125	31.110	30.990	3,751.9	24.53	99.55	65.0	233.0	212.0
46.00		0.3125	30.797	30.675	3,638.5	24.26	98.55	65.0	228.2	209.8
48.00		0.3125	30.483	30.359	3,527.4	23.99	97.55	65.0	223.5	207.7
50.00		0.3125	30.170	30.044	3,418.6	23.73	96.54	65.0	218.9	205.5
52.00		0.3125	29.857	29.729	3,312.1	23.46	95.54	65.0	214.3	203.4
54.00		0.3125	29.543	29.413	3,207.8	23.19	94.54	65.0	209.8	201.2
56.00		0.3125	29.230	29.098	3,105.7	22.92	93.54	65.0	205.3	199.1
58.00		0.3125	28.916	28.783	3,005.9	22.65	92.53	65.0	200.8	197.0
60.00		0.3125	28.603	28.467	2,908.1	22.38	91.53	65.0	196.4	194.8
62.00		0.3125	28.290	28.152	2,812.5	22.11	90.53	65.0	192.1	192.7
64.00		0.3125	27.976	27.837	2,719.1	21.84	89.52	65.0	187.8	190.5
66.00		0.3125	27.663	27.521	2,627.7	21.58	88.52	65.0	183.5	188.4
68.00		0.3125	27.349	27.206	2,538.4	21.31	87.52	65.0	179.3	186.2
70.00		0.3125	27.036	26.891	2,451.2	21.04	86.52	65.0	175.1	184.1
70.00	Bot - Section 3	0.3125	27.036	26.890	2,451.1	21.04	86.52	65.0	175.1	0.0
72.00		0.3125	26.723	26.575	2,365.9	20.77	85.51	65.0	171.0	330.5
73.50	Top - Section 2	0.2500	26.987	21.524	1,964.0	26.78	107.95	65.0	140.6	245.4
74.00		0.2500	26.909	21.461	1,946.8	26.70	107.64	65.0	139.8	36.5
76.00		0.2500	26.596	21.208	1,879.0	26.36	106.38	65.0	136.5	145.2
78.00		0.2500	26.282	20.956	1,812.7	26.03	105.13	65.0	133.2	143.5
80.00		0.2500	25.969	20.704	1,748.0	25.69	103.88	65.0	130.0	141.8
82.00		0.2500	25.656	20.452	1,684.9	25.35	102.62	65.0	126.9	140.0
84.00		0.2500	25.342	20.199	1,623.3	25.02	101.37	65.0	123.7	138.3
86.00		0.2500	25.029	19.947	1,563.2	24.68	100.12	65.0	120.7	136.6
88.00		0.2500	24.715	19.695	1,504.7	24.35	98.86	65.0	117.6	134.9
90.00		0.2500	24.402	19.442	1,447.6	24.01	97.61	65.0	114.6	133.2
92.00		0.2500	24.089	19.190	1,392.0	23.67	96.35	65.0	111.6	131.5
94.00		0.2500	23.775	18.938	1,337.8	23.34	95.10	65.0	108.7	129.7
96.00		0.2500	23.462	18.685	1,285.0	23.00	93.85	65.0	105.8	128.0
98.00		0.2500	23.148	18.433	1,233.7	22.67	92.59	65.0	103.0	126.3
100.00		0.2500	22.835	18.181	1,183.7	22.33	91.34	65.0	100.1	124.6
102.00		0.2500	22.522	17.929	1,135.1	21.99	90.09	65.0	97.4	122.9
104.00		0.2500	22.208	17.676	1,087.9	21.66	88.83	65.0	94.6	121.2
106.00		0.2500	21.895	17.424	1,041.9	21.32	87.58	65.0	91.9	119.4

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

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 Page: 3



Base Elev : 0.000 (ft)

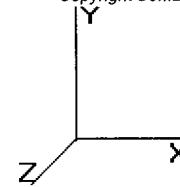
108.0		0.2500	21.581	17.172	997.3	20.99	86.33	65.0	89.3	117.7
110.0		0.2500	21.268	16.919	954.0	20.65	85.07	65.0	86.7	116.0
110.0	Top - Section 3	0.2500	21.268	16.919	954.0	20.65	85.07	65.0	86.7	0.0
110.0	Bot - Section 4	0.1875	21.268	12.727	721.9	28.25	113.43	65.0	65.6	
112.0		0.1875	20.955	12.538	690.2	27.80	111.76	65.0	63.6	86.0
114.0		0.1875	20.641	12.349	659.4	27.35	110.09	65.0	61.7	84.7
116.0		0.1875	20.328	12.160	629.6	26.91	108.41	65.0	59.8	83.4
118.0		0.1875	20.014	11.970	600.6	26.46	106.74	65.0	58.0	82.1
120.0		0.1875	19.701	11.781	572.6	26.01	105.07	65.0	56.1	80.8
122.0		0.1875	19.388	11.592	545.4	25.56	103.40	65.0	54.4	79.5
124.0		0.1875	19.074	11.403	519.2	25.11	101.73	65.0	52.6	78.2
126.0		0.1875	18.761	11.214	493.8	24.67	100.06	65.0	50.8	77.0
128.0		0.1875	18.447	11.024	469.2	24.22	98.39	65.0	49.1	75.7
130.0		0.1875	18.134	10.835	445.4	23.77	96.71	65.0	47.5	74.4
132.0		0.1875	17.821	10.646	422.5	23.32	95.04	65.0	45.8	73.1
134.0		0.1875	17.507	10.457	400.4	22.88	93.37	65.0	44.2	71.8
136.0		0.1875	17.194	10.268	379.0	22.43	91.70	65.0	42.6	70.5
138.0		0.1875	16.880	10.078	358.5	21.98	90.03	65.0	41.0	69.2
140.0		0.1875	16.567	9.889	338.6	21.53	88.36	65.0	39.5	67.9
142.0		0.1875	16.254	9.700	319.6	21.08	86.69	65.0	38.0	66.7
144.0		0.1875	15.940	9.511	301.2	20.64	85.01	65.0	36.5	65.4
146.0		0.1875	15.627	9.321	283.6	20.19	83.34	65.0	35.1	64.1
148.0		0.1875	15.313	9.132	266.7	19.74	81.67	65.0	33.6	62.8
150.0		0.1875	15.000	8.943	250.5	19.29	80.00	65.0	32.3	61.5

13,372.1

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W

95.00 mph with No Ice

35 Iterations

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

Wind Importance Factor : 1.00

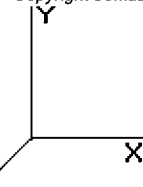
Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	15.364	16.90	256.32	1.000	0.00	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	15.364	16.90	254.17	1.000	0.00	2.00	6.423	6.42	173.7	0.0	363.4
4.00		1.00	0.70	15.364	16.90	252.02	1.000	0.00	2.00	6.369	6.37	172.2	0.0	360.3
6.00		1.00	0.70	15.364	16.90	249.87	1.000	0.00	2.00	6.315	6.31	170.8	0.0	357.2
8.00		1.00	0.70	15.364	16.90	247.72	1.000	0.00	2.00	6.261	6.26	169.3	0.0	354.1
10.00		1.00	0.70	15.364	16.90	245.57	1.000	0.00	2.00	6.206	6.21	167.8	0.0	351.0
12.00		1.00	0.70	15.364	16.90	243.42	1.000	0.00	2.00	6.152	6.15	166.4	0.0	347.9
14.00		1.00	0.70	15.364	16.90	241.27	1.000	0.00	2.00	6.098	6.10	164.9	0.0	344.8
16.00		1.00	0.70	15.364	16.90	239.13	1.000	0.00	2.00	6.044	6.04	163.4	0.0	341.7
18.00		1.00	0.70	15.364	16.90	236.98	1.000	0.00	2.00	5.990	5.99	162.0	0.0	338.6
20.00		1.00	0.70	15.364	16.90	234.83	1.000	0.00	2.00	5.936	5.94	160.5	0.0	335.6
22.00		1.00	0.70	15.364	16.90	232.68	1.000	0.00	2.00	5.882	5.88	159.1	0.0	332.5
24.00		1.00	0.70	15.364	16.90	230.53	1.000	0.00	2.00	5.828	5.83	157.6	0.0	329.4
26.00		1.00	0.70	15.364	16.90	228.38	1.000	0.00	2.00	5.774	5.77	156.1	0.0	326.3
28.00		1.00	0.70	15.364	16.90	226.23	1.000	0.00	2.00	5.720	5.72	154.7	0.0	323.2
30.00	Appertunance(s)	1.00	0.70	15.377	16.91	224.18	1.000	0.00	2.00	5.666	5.67	153.3	0.0	320.1
31.50	Bot - Section 2	1.00	0.71	15.593	17.15	224.12	1.000	0.00	1.50	4.215	4.21	115.7	0.0	238.1
32.00		1.00	0.71	15.663	17.23	224.08	1.000	0.00	0.50	1.424	1.42	39.3	0.0	146.1
34.00	Appertunance(s)	1.00	0.72	15.937	17.53	223.84	1.000	0.00	2.00	5.665	5.67	158.9	0.0	581.2
35.67	Top - Section 1	1.00	0.73	16.156	17.77	223.54	1.000	0.00	1.67	4.681	4.68	133.1	0.0	480.1
36.00		1.00	0.73	16.199	17.81	227.87	1.000	0.00	0.33	0.931	0.93	26.5	0.0	43.9
38.00		1.00	0.75	16.452	18.09	227.42	1.000	0.00	2.00	5.557	5.56	160.9	0.0	262.1
40.00		1.00	0.76	16.694	18.36	226.85	1.000	0.00	2.00	5.503	5.50	161.7	0.0	259.5
42.00		1.00	0.77	16.929	18.62	226.18	1.000	0.00	2.00	5.449	5.45	162.4	0.0	256.9
44.00		1.00	0.78	17.155	18.87	225.42	1.000	0.00	2.00	5.395	5.39	162.9	0.0	254.4
46.00		1.00	0.79	17.375	19.11	224.57	1.000	0.00	2.00	5.341	5.34	163.3	0.0	251.8
48.00		1.00	0.80	17.587	19.34	223.64	1.000	0.00	2.00	5.287	5.29	163.6	0.0	249.2
50.00		1.00	0.81	17.793	19.57	222.63	1.000	0.00	2.00	5.233	5.23	163.9	0.0	246.6
52.00		1.00	0.82	17.994	19.79	221.56	1.000	0.00	2.00	5.179	5.18	164.0	0.0	244.1
54.00		1.00	0.82	18.189	20.00	220.42	1.000	0.00	2.00	5.125	5.12	164.1	0.0	241.5
56.00		1.00	0.83	18.379	20.21	219.22	1.000	0.00	2.00	5.071	5.07	164.0	0.0	238.9
58.00		1.00	0.84	18.564	20.42	217.96	1.000	0.00	2.00	5.016	5.02	163.9	0.0	236.3
60.00		1.00	0.85	18.745	20.61	216.64	1.000	0.00	2.00	4.962	4.96	163.7	0.0	233.8
62.00		1.00	0.86	18.921	20.81	215.27	1.000	0.00	2.00	4.908	4.91	163.5	0.0	231.2
64.00		1.00	0.87	19.094	21.00	213.85	1.000	0.00	2.00	4.854	4.85	163.1	0.0	228.6
66.00		1.00	0.87	19.262	21.18	212.39	1.000	0.00	2.00	4.800	4.80	162.7	0.0	226.0
68.00		1.00	0.88	19.427	21.37	210.88	1.000	0.00	2.00	4.746	4.75	162.3	0.0	223.5
70.00		1.00	0.89	19.589	21.54	209.33	1.000	0.00	2.00	4.692	4.69	161.8	0.0	220.9
70.00	Bot - Section 3	1.00	0.89	19.589	21.54	209.33	1.000	0.00	0.00	0.001	0.00	0.0	0.0	0.0
72.00		1.00	0.90	19.747	21.72	207.74	1.000	0.00	2.00	4.723	4.72	164.2	0.0	396.6
73.50	Top - Section 2	1.00	0.90	19.864	21.85	206.52	1.000	0.00	1.50	3.508	3.51	122.7	0.0	294.5
74.00		1.00	0.90	19.902	21.89	210.01	1.000	0.00	0.50	1.162	1.16	40.7	0.0	43.9
76.00		1.00	0.91	20.055	22.06	208.36	1.000	0.00	2.00	4.616	4.62	162.9	0.0	174.2
78.00		1.00	0.92	20.204	22.22	206.67	1.000	0.00	2.00	4.562	4.56	162.2	0.0	172.2
80.00		1.00	0.92	20.351	22.38	204.94	1.000	0.00	2.00	4.508	4.51	161.5	0.0	170.1
82.00		1.00	0.93	20.495	22.54	203.18	1.000	0.00	2.00	4.454	4.45	160.7	0.0	168.1
84.00		1.00	0.94	20.636	22.70	201.39	1.000	0.00	2.00	4.400	4.40	159.8	0.0	166.0
86.00		1.00	0.94	20.776	22.85	199.57	1.000	0.00	2.00	4.346	4.35	158.9	0.0	163.9
88.00		1.00	0.95	20.913	23.00	197.72	1.000	0.00	2.00	4.292	4.29	158.0	0.0	161.9
90.00		1.00	0.95	21.047	23.15	195.84	1.000	0.00	2.00	4.238	4.24	157.0	0.0	159.8
92.00		1.00	0.96	21.180	23.29	193.93	1.000	0.00	2.00	4.183	4.18	155.9	0.0	157.7

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 5



Load Case: 1.2D + 1.6W	95.00 mph with No Ice	35 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

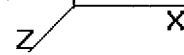
94.00		1.00	0.97	21.310	23.44	192.00	1.000	0.00	2.00	4.129	4.13	154.9	0.0	155.7
96.00		1.00	0.97	21.439	23.58	190.04	1.000	0.00	2.00	4.075	4.08	153.8	0.0	153.6
98.00		1.00	0.98	21.566	23.72	188.06	1.000	0.00	2.00	4.021	4.02	152.6	0.0	151.6
100.0		1.00	0.98	21.690	23.86	186.05	1.000	0.00	2.00	3.967	3.97	151.4	0.0	149.5
102.0		1.00	0.99	21.814	23.99	184.01	1.000	0.00	2.00	3.913	3.91	150.2	0.0	147.4
104.0		1.00	0.99	21.935	24.12	181.95	1.000	0.00	2.00	3.859	3.86	149.0	0.0	145.4
106.0		1.00	1.00	22.055	24.26	179.88	1.000	0.00	2.00	3.805	3.80	147.7	0.0	143.3
108.0		1.00	1.01	22.173	24.39	177.78	1.000	0.00	2.00	3.751	3.75	146.4	0.0	141.3
110.0		1.00	1.01	22.289	24.51	175.65	1.000	0.00	2.00	3.697	3.70	145.0	0.0	139.2
110.0	Top - Section 3	1.00	1.01	22.289	24.51	175.65	1.000	0.00	0.00	0.001	0.00	0.0	0.0	0.0
112.0		1.00	1.02	22.404	24.64	173.51	1.000	0.00	2.00	3.642	3.64	143.6	0.0	103.1
114.0		1.00	1.02	22.518	24.77	171.35	1.000	0.00	2.00	3.589	3.59	142.2	0.0	101.6
116.0		1.00	1.03	22.630	24.89	169.17	1.000	0.00	2.00	3.535	3.53	140.8	0.0	100.1
118.0	Appertunance(s)	1.00	1.03	22.741	25.01	166.97	1.000	0.00	2.00	3.480	3.48	139.3	0.0	98.5
120.0		1.00	1.04	22.850	25.13	164.75	1.000	0.00	2.00	3.426	3.43	137.8	0.0	97.0
122.0		1.00	1.04	22.959	25.25	162.51	1.000	0.00	2.00	3.372	3.37	136.3	0.0	95.4
124.0		1.00	1.05	23.065	25.37	160.25	1.000	0.00	2.00	3.318	3.32	134.7	0.0	93.9
126.0		1.00	1.05	23.171	25.48	157.98	1.003 *	0.00	2.00	3.264	3.27	133.6	0.0	92.4
128.0	Appertunance(s)	1.00	1.06	23.276	25.60	155.69	1.008 *	0.00	2.00	3.210	3.24	132.6	0.0	90.8
130.0		1.00	1.06	23.379	25.71	153.39	1.000	0.00	2.00	3.156	3.16	129.9	0.0	89.3
132.0		1.00	1.07	23.481	25.82	151.06	1.000	0.00	2.00	3.102	3.10	128.2	0.0	87.7
134.0		1.00	1.07	23.582	25.94	148.73	1.000	0.00	2.00	3.048	3.05	126.5	0.0	86.2
136.0		1.00	1.07	23.682	26.05	146.37	1.000	0.00	2.00	2.994	2.99	124.8	0.0	84.6
138.0	Appertunance(s)	1.00	1.08	23.781	26.15	144.01	1.000	0.00	2.00	2.940	2.94	123.0	0.0	83.1
140.0		1.00	1.08	23.879	26.26	141.62	1.000	0.00	2.00	2.886	2.89	121.3	0.0	81.5
142.0		1.00	1.09	23.976	26.37	139.23	1.000	0.00	2.00	2.832	2.83	119.5	0.0	80.0
144.0		1.00	1.09	24.072	26.47	136.81	1.000	0.00	2.00	2.777	2.78	117.7	0.0	78.4
146.0		1.00	1.10	24.167	26.58	134.39	1.000	0.00	2.00	2.723	2.72	115.8	0.0	76.9
148.0		1.00	1.10	24.261	26.68	131.95	1.000	0.00	2.00	2.669	2.67	114.0	0.0	75.4
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	129.50	1.000	0.00	2.00	2.615	2.62	112.1	0.0	73.8
								Totals:	150.00			11,385.9	0.0	16,046.5

* = Cf Adjusted By Linear Load Ra Effect

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
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 Struct Class : II
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 Topographic Category : 1
 Base Elev : 0.000 (ft)

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 Page: 7



Load Case: 1.2D + 1.6W

95.00 mph with No Ice

35 Iterations

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

Wind Importance Factor : 1.00

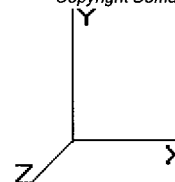
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
2.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.084	0.000	0.00	11.81
2.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.084	0.000	0.00	0.36
2.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.084	0.000	0.00	0.36
4.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.085	0.000	0.00	11.81
4.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.085	0.000	0.00	0.36
4.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.085	0.000	0.00	0.36
6.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.086	0.000	0.00	11.81
6.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.086	0.000	0.00	0.36
6.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.086	0.000	0.00	0.36
8.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.086	0.000	0.00	11.81
8.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.086	0.000	0.00	0.36
8.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.086	0.000	0.00	0.36
10.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.087	0.000	0.00	11.81
10.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.087	0.000	0.00	0.36
10.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.087	0.000	0.00	0.36
12.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.088	0.000	0.00	11.81
12.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.088	0.000	0.00	0.36
12.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.088	0.000	0.00	0.36
14.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.089	0.000	0.00	11.81
14.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.089	0.000	0.00	0.36
14.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.089	0.000	0.00	0.36
16.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.089	0.000	0.00	11.81
16.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.089	0.000	0.00	0.36
16.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.089	0.000	0.00	0.36
18.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.090	0.000	0.00	11.81
18.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.090	0.000	0.00	0.36
18.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.090	0.000	0.00	0.36
20.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.091	0.000	0.00	11.81
20.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.091	0.000	0.00	0.36
20.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.091	0.000	0.00	0.36
22.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.092	0.000	0.00	11.81
22.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.092	0.000	0.00	0.36
22.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.092	0.000	0.00	0.36
24.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.093	0.000	0.00	11.81
24.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.093	0.000	0.00	0.36
24.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.093	0.000	0.00	0.36
26.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.094	0.000	0.00	11.81
26.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.094	0.000	0.00	0.36
26.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.094	0.000	0.00	0.36
28.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.094	0.000	0.00	11.81
28.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.094	0.000	0.00	0.36
28.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.094	0.000	0.00	0.36
30.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.377	0.095	0.000	0.00	11.81
30.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.377	0.095	0.000	0.00	0.36
30.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.377	0.095	0.000	0.00	0.36
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	15.593	0.077	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	0.077	0.000	0.00	0.27
32.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	15.663	0.078	0.000	0.00	2.95
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.63	0.03	0.00	15.663	0.078	0.000	0.00	0.09
34.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.937	0.078	0.000	0.00	11.81
34.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.937	0.078	0.000	0.00	0.36

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W

95.00 mph with No Ice

35 Iterations

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

Wind Importance Factor : 1.00

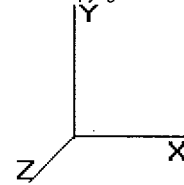
35.67	(6) 1 5/8" Coax	Yes	1.67	0.000	1.98	0.28	0.00	16.156	0.060	0.000	0.00	9.84	
36.00	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.05	0.00	16.199	0.059	0.000	0.00	1.97	
38.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	16.452	0.059	0.000	0.00	11.81	
40.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	16.694	0.060	0.000	0.00	11.81	
42.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	16.929	0.061	0.000	0.00	11.81	
44.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.155	0.061	0.000	0.00	11.81	
46.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.375	0.062	0.000	0.00	11.81	
48.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.587	0.062	0.000	0.00	11.81	
50.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.793	0.063	0.000	0.00	11.81	
52.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.994	0.064	0.000	0.00	11.81	
54.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.189	0.064	0.000	0.00	11.81	
56.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.379	0.065	0.000	0.00	11.81	
58.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.564	0.066	0.000	0.00	11.81	
60.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.745	0.067	0.000	0.00	11.81	
62.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.921	0.067	0.000	0.00	11.81	
64.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.094	0.068	0.000	0.00	11.81	
66.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.262	0.069	0.000	0.00	11.81	
68.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.427	0.070	0.000	0.00	11.81	
70.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.589	0.070	0.000	0.00	11.81	
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	1.98	0.00	0.00	19.589	0.071	0.000	0.00	0.00	
72.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.747	0.071	0.000	0.00	11.80	
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.864	0.072	0.000	0.00	8.86	
74.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	19.902	0.071	0.000	0.00	2.95	
76.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.055	0.071	0.000	0.00	11.81	
78.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.204	0.072	0.000	0.00	11.81	
80.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.351	0.073	0.000	0.00	11.81	
82.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.495	0.074	0.000	0.00	11.81	
84.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.636	0.075	0.000	0.00	11.81	
86.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.776	0.076	0.000	0.00	11.81	
88.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.913	0.077	0.000	0.00	11.81	
90.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.047	0.078	0.000	0.00	11.81	
92.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.180	0.079	0.000	0.00	11.81	
94.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.310	0.080	0.000	0.00	11.81	
96.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.439	0.081	0.000	0.00	11.81	
98.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.566	0.082	0.000	0.00	11.81	
100.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.690	0.083	0.000	0.00	11.81	
102.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.814	0.084	0.000	0.00	11.81	
104.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.935	0.086	0.000	0.00	11.81	
106.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.055	0.087	0.000	0.00	11.81	
108.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.173	0.088	0.000	0.00	11.81	
110.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.289	0.089	0.000	0.00	11.81	
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	1.98	0.00	0.00	22.289	0.090	0.000	0.00	0.00	
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.404	0.091	0.000	0.00	11.80	
114.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.518	0.092	0.000	0.00	11.81	
116.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.630	0.093	0.000	0.00	11.81	
118.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.741	0.095	0.000	0.00	11.81	
120.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.850	0.096	0.000	0.00	11.81	
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.959	0.098	0.000	0.00	11.81	
124.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	23.065	0.099	0.000	0.00	11.81	
126.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	23.171	0.101	1.003	0.00	11.81	
128.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	23.276	0.103	1.008	0.00	11.81	
											Totals:	0.00	767.14

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 8/31/2009 9:18:45 AM
 Page: 9



Load Case: 1.2D + 1.6W	95.00 mph with No Ice	35 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

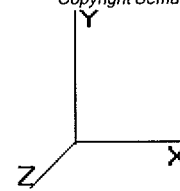
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
2.00	173.68	424.16	0.00	0.00
4.00	172.21	421.07	0.00	0.00
6.00	170.75	417.98	0.00	0.00
8.00	169.29	414.88	0.00	0.00
10.00	167.83	411.79	0.00	0.00
12.00	166.37	408.70	0.00	0.00
14.00	164.90	405.61	0.00	0.00
16.00	163.44	402.52	0.00	0.00
18.00	161.98	399.43	0.00	0.00
20.00	160.52	396.34	0.00	0.00
22.00	159.05	393.25	0.00	0.00
24.00	157.59	390.16	0.00	0.00
26.00	156.13	387.07	0.00	0.00
28.00	154.67	383.98	0.00	0.00
30.00	223.74	442.69	0.00	4.07
31.50	115.67	283.43	0.00	0.00
32.00	39.25	161.18	0.00	0.00
34.00	231.87	703.40	0.00	4.22
35.67	133.10	530.14	0.00	0.00
36.00	26.53	53.89	0.00	0.00
38.00	160.91	322.17	0.00	0.00
40.00	161.69	319.59	0.00	0.00
42.00	162.35	317.02	0.00	0.00
44.00	162.89	314.44	0.00	0.00
46.00	163.32	311.86	0.00	0.00
48.00	163.65	309.29	0.00	0.00
50.00	163.87	306.71	0.00	0.00
52.00	164.01	304.14	0.00	0.00
54.00	164.05	301.56	0.00	0.00
56.00	164.02	298.99	0.00	0.00
58.00	163.90	296.41	0.00	0.00
60.00	163.71	293.84	0.00	0.00
62.00	163.45	291.26	0.00	0.00
64.00	163.13	288.69	0.00	0.00
66.00	162.73	286.11	0.00	0.00
68.00	162.28	283.54	0.00	0.00
70.00	161.76	280.96	0.00	0.00
70.00	0.03	0.05	0.00	0.00
72.00	164.16	456.66	0.00	0.00
73.50	122.66	339.59	0.00	0.00
74.00	40.69	58.86	0.00	0.00
76.00	162.93	234.30	0.00	0.00
78.00	162.22	232.24	0.00	0.00
80.00	161.46	230.18	0.00	0.00
82.00	160.65	228.12	0.00	0.00
84.00	159.80	226.06	0.00	0.00
86.00	158.90	224.00	0.00	0.00
88.00	157.96	221.94	0.00	0.00
90.00	156.97	219.88	0.00	0.00

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 10



Load Case: 1.2D + 1.6W	95.00 mph with No Ice	35 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

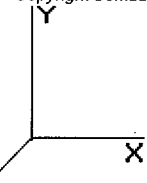
92.00	155.94	217.82	0.00	0.00
94.00	154.88	215.75	0.00	0.00
96.00	153.77	213.69	0.00	0.00
98.00	152.63	211.63	0.00	0.00
100.0	151.45	209.57	0.00	0.00
102.0	150.23	207.51	0.00	0.00
104.0	148.98	205.45	0.00	0.00
106.0	147.69	203.39	0.00	0.00
108.0	146.37	201.33	0.00	0.00
110.0	145.02	199.27	0.00	0.00
110.0	0.02	0.03	0.00	0.00
112.0	143.61	163.21	0.00	0.00
114.0	142.22	161.69	0.00	0.00
116.0	140.78	160.14	0.00	0.00
118.0	1,379.58	526.04	0.00	0.00
120.0	137.80	155.68	0.00	0.00
122.0	136.26	154.14	0.00	0.00
124.0	134.70	152.59	0.00	0.00
126.0	133.55	151.05	0.00	0.00
128.0	738.90	484.54	0.00	0.00
130.0	129.86	136.15	0.00	0.00
132.0	128.19	134.61	0.00	0.00
134.0	126.50	133.06	0.00	0.00
136.0	124.78	131.52	0.00	0.00
138.0	1,349.18	1,137.97	0.00	0.00
140.0	121.27	93.01	0.00	0.00
142.0	119.49	91.46	0.00	0.00
144.0	117.67	89.92	0.00	0.00
146.0	115.84	88.37	0.00	0.00
148.0	113.98	86.82	0.00	0.00
150.0	3,164.99	2,928.44	0.00	2,897.52
Totals:	17,654.86	24,875.97	0.00	2,905.80

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 8/31/2009 9:18:45 AM
 Page: 11



Load Case: 1.2D + 1.6W 95.00 mph with No Ice 35 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

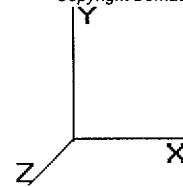
Calculated Forces

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	-24.86	-17.68	0.00	-1,798.96	0.00	1,798.96	2,613.99	1,306.99	3,984.35	1,967.72	0.00	0.00	0.924
2.00	-24.39	-17.56	0.00	-1,763.60	0.00	1,763.60	2,591.85	1,295.92	3,916.81	1,934.37	0.03	-0.13	0.921
4.00	-23.93	-17.44	0.00	-1,728.47	0.00	1,728.47	2,569.71	1,284.86	3,849.85	1,901.30	0.11	-0.26	0.919
6.00	-23.47	-17.33	0.00	-1,693.58	0.00	1,693.58	2,547.57	1,273.79	3,783.47	1,868.51	0.25	-0.39	0.916
8.00	-23.02	-17.21	0.00	-1,658.93	0.00	1,658.93	2,525.43	1,262.72	3,717.66	1,836.01	0.44	-0.52	0.913
10.00	-22.57	-17.09	0.00	-1,624.52	0.00	1,624.52	2,503.30	1,251.65	3,652.43	1,803.80	0.69	-0.66	0.910
12.00	-22.13	-16.97	0.00	-1,590.35	0.00	1,590.35	2,481.16	1,240.58	3,587.78	1,771.87	0.99	-0.79	0.907
14.00	-21.68	-16.85	0.00	-1,556.41	0.00	1,556.41	2,459.02	1,229.51	3,523.71	1,740.23	1.35	-0.92	0.903
16.00	-21.24	-16.73	0.00	-1,522.72	0.00	1,522.72	2,436.88	1,218.44	3,460.21	1,708.87	1.77	-1.06	0.900
18.00	-20.81	-16.61	0.00	-1,489.27	0.00	1,489.27	2,414.74	1,207.37	3,397.29	1,677.80	2.24	-1.19	0.896
20.00	-20.38	-16.49	0.00	-1,456.06	0.00	1,456.06	2,392.60	1,196.30	3,334.95	1,647.01	2.77	-1.33	0.893
22.00	-19.95	-16.36	0.00	-1,423.09	0.00	1,423.09	2,370.47	1,185.23	3,273.19	1,616.50	3.35	-1.47	0.889
24.00	-19.52	-16.24	0.00	-1,390.36	0.00	1,390.36	2,348.33	1,174.16	3,212.00	1,586.29	4.00	-1.60	0.885
26.00	-19.10	-16.12	0.00	-1,357.87	0.00	1,357.87	2,326.19	1,163.10	3,151.39	1,556.35	4.70	-1.74	0.881
28.00	-18.68	-16.00	0.00	-1,325.63	0.00	1,325.63	2,304.05	1,152.03	3,091.36	1,526.71	5.46	-1.88	0.877
30.00	-18.22	-15.88	0.00	-1,293.62	0.00	1,293.62	2,281.91	1,140.96	3,031.90	1,497.34	6.28	-2.02	0.872
31.50	-17.92	-15.70	0.00	-1,269.91	0.00	1,269.91	2,265.31	1,132.65	2,987.68	1,475.50	6.93	-2.13	0.869
32.00	-17.73	-15.68	0.00	-1,262.07	0.00	1,262.07	2,259.78	1,129.89	2,973.03	1,468.27	7.15	-2.16	0.868
34.00	-17.01	-15.46	0.00	-1,230.71	0.00	1,230.71	2,237.64	1,118.82	2,914.73	1,439.47	8.09	-2.30	0.863
35.67	-16.46	-15.32	0.00	-1,204.94	0.00	1,204.94	1,889.79	944.90	2,499.95	1,234.63	8.91	-2.42	0.985
36.00	-16.39	-15.32	0.00	-1,199.84	0.00	1,199.84	1,886.72	943.36	2,491.79	1,230.60	9.08	-2.44	0.984
38.00	-16.03	-15.19	0.00	-1,169.19	0.00	1,169.19	1,868.27	934.14	2,443.07	1,206.54	10.14	-2.60	0.978
40.00	-15.67	-15.06	0.00	-1,138.81	0.00	1,138.81	1,849.82	924.91	2,394.82	1,182.71	11.26	-2.76	0.972
42.00	-15.32	-14.92	0.00	-1,108.69	0.00	1,108.69	1,831.37	915.69	2,347.06	1,159.13	12.45	-2.92	0.965
44.00	-14.98	-14.79	0.00	-1,078.85	0.00	1,078.85	1,812.93	906.46	2,299.78	1,135.77	13.71	-3.08	0.958
46.00	-14.63	-14.65	0.00	-1,049.27	0.00	1,049.27	1,794.48	897.24	2,252.98	1,112.66	15.04	-3.25	0.951
48.00	-14.29	-14.51	0.00	-1,019.98	0.00	1,019.98	1,776.03	888.01	2,206.66	1,089.79	16.43	-3.41	0.944
50.00	-13.96	-14.36	0.00	-990.96	0.00	990.96	1,757.58	878.79	2,160.82	1,067.15	17.89	-3.57	0.937
52.00	-13.62	-14.22	0.00	-962.23	0.00	962.23	1,739.13	869.57	2,115.47	1,044.75	19.42	-3.73	0.929
54.00	-13.29	-14.07	0.00	-933.79	0.00	933.79	1,720.68	860.34	2,070.59	1,022.59	21.02	-3.89	0.921
56.00	-12.97	-13.93	0.00	-905.64	0.00	905.64	1,702.23	851.12	2,026.20	1,000.66	22.68	-4.06	0.913
58.00	-12.64	-13.78	0.00	-877.79	0.00	877.79	1,683.79	841.89	1,982.28	978.98	24.42	-4.22	0.904
60.00	-12.32	-13.63	0.00	-850.23	0.00	850.23	1,665.34	832.67	1,938.85	957.53	26.22	-4.38	0.896
62.00	-12.01	-13.48	0.00	-822.98	0.00	822.98	1,646.89	823.44	1,895.90	936.31	28.09	-4.55	0.887
64.00	-11.70	-13.32	0.00	-796.02	0.00	796.02	1,628.44	814.22	1,853.43	915.34	30.03	-4.71	0.877
66.00	-11.39	-13.17	0.00	-769.37	0.00	769.37	1,609.99	805.00	1,811.44	894.60	32.03	-4.88	0.867
68.00	-11.08	-13.02	0.00	-743.03	0.00	743.03	1,591.54	795.77	1,769.93	874.10	34.11	-5.04	0.857
70.00	-10.80	-12.85	0.00	-717.00	0.00	717.00	1,573.10	786.55	1,728.91	853.84	36.25	-5.20	0.847
70.00	-10.78	-12.86	0.00	-716.99	0.00	716.99	1,573.09	786.55	1,728.90	853.84	36.25	-5.20	0.847
72.00	-10.31	-12.68	0.00	-691.28	0.00	691.28	1,554.65	777.32	1,688.36	833.82	38.46	-5.37	0.836
73.50	-9.96	-12.54	0.00	-672.25	0.00	672.25	1,259.14	629.57	1,387.79	685.38	40.17	-5.49	0.989
74.00	-9.88	-12.52	0.00	-665.98	0.00	665.98	1,255.45	627.72	1,379.64	681.35	40.74	-5.53	0.986
76.00	-9.62	-12.36	0.00	-640.95	0.00	640.95	1,240.69	620.34	1,347.24	665.35	43.10	-5.72	0.971
78.00	-9.37	-12.21	0.00	-616.23	0.00	616.23	1,225.93	612.97	1,315.23	649.54	45.53	-5.91	0.957
80.00	-9.12	-12.05	0.00	-591.81	0.00	591.81	1,211.17	605.59	1,283.60	633.92	48.04	-6.10	0.941
82.00	-8.87	-11.90	0.00	-567.70	0.00	567.70	1,196.41	598.21	1,252.36	618.50	50.63	-6.29	0.926
84.00	-8.62	-11.74	0.00	-543.90	0.00	543.90	1,181.65	590.83	1,221.51	603.26	53.30	-6.48	0.909
86.00	-8.38	-11.59	0.00	-520.42	0.00	520.42	1,166.90	583.45	1,191.04	588.21	56.05	-6.66	0.892
88.00	-8.14	-11.43	0.00	-497.24	0.00	497.24	1,152.14	576.07	1,160.95	573.35	58.88	-6.85	0.875
90.00	-7.91	-11.27	0.00	-474.38	0.00	474.38	1,137.38	568.69	1,131.25	558.68	61.78	-7.03	0.856
92.00	-7.68	-11.12	0.00	-451.83	0.00	451.83	1,122.62	561.31	1,101.93	544.20	64.76	-7.22	0.837

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 8/31/2009 9:18:45 AM
 Page: 12



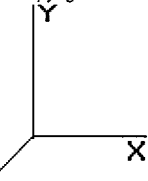
Load Case: 1.2D + 1.6W 95.00 mph with No Ice 35 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

94.00	-7.45	-10.96	0.00	-429.60	0.00	429.60	1,107.86	553.93	1,073.00	529.91	67.81	-7.40	0.818
96.00	-7.22	-10.80	0.00	-407.69	0.00	407.69	1,093.10	546.55	1,044.45	515.82	70.94	-7.57	0.797
98.00	-7.00	-10.64	0.00	-386.08	0.00	386.08	1,078.34	539.17	1,016.29	501.91	74.14	-7.75	0.776
100.00	-6.78	-10.48	0.00	-364.80	0.00	364.80	1,063.58	531.79	988.52	488.19	77.41	-7.92	0.754
102.00	-6.57	-10.33	0.00	-343.83	0.00	343.83	1,048.83	524.41	961.12	474.66	80.76	-8.09	0.731
104.00	-6.36	-10.17	0.00	-323.18	0.00	323.18	1,034.07	517.03	934.12	461.32	84.17	-8.26	0.707
106.00	-6.15	-10.01	0.00	-302.85	0.00	302.85	1,019.31	509.65	907.49	448.18	87.66	-8.42	0.682
108.00	-5.94	-9.85	0.00	-282.83	0.00	282.83	1,004.55	502.27	881.26	435.22	91.21	-8.58	0.656
110.00	-5.76	-9.69	0.00	-263.12	0.00	263.12	989.79	494.89	855.40	422.45	94.82	-8.74	0.629
110.00	-5.74	-9.69	0.00	-263.12	0.00	263.12	989.79	494.89	855.40	422.45	94.82	-8.74	0.629
110.00	-5.74	-9.69	0.00	-263.12	0.00	263.12	989.79	494.89	855.40	422.45	94.82	-8.74	0.831
112.00	-5.57	-9.54	0.00	-243.74	0.00	243.74	733.48	366.74	628.11	310.20	98.50	-8.89	0.794
114.00	-5.41	-9.40	0.00	-224.65	0.00	224.65	722.41	361.21	609.21	300.87	102.25	-9.08	0.755
116.00	-5.24	-9.25	0.00	-205.86	0.00	205.86	711.34	355.67	590.60	291.67	106.08	-9.27	0.714
118.00	-4.92	-7.82	0.00	-187.37	0.00	187.37	700.27	350.14	572.28	282.63	109.99	-9.45	0.670
120.00	-4.77	-7.67	0.00	-171.73	0.00	171.73	689.20	344.60	554.25	273.72	113.96	-9.62	0.635
122.00	-4.62	-7.52	0.00	-156.40	0.00	156.40	678.14	339.07	536.50	264.96	118.01	-9.78	0.598
124.00	-4.47	-7.37	0.00	-141.36	0.00	141.36	667.07	333.53	519.05	256.34	122.12	-9.94	0.559
126.00	-4.33	-7.23	0.00	-126.61	0.00	126.61	656.00	328.00	501.88	247.86	126.29	-10.08	0.518
128.00	-3.97	-6.42	0.00	-112.16	0.00	112.16	644.93	322.46	485.00	239.53	130.52	-10.22	0.475
130.00	-3.84	-6.28	0.00	-99.31	0.00	99.31	633.86	316.93	468.41	231.33	134.81	-10.35	0.436
132.00	-3.72	-6.14	0.00	-86.75	0.00	86.75	622.79	311.39	452.11	223.28	139.15	-10.47	0.395
134.00	-3.60	-5.99	0.00	-74.48	0.00	74.48	611.72	305.86	436.10	215.38	143.53	-10.58	0.352
136.00	-3.49	-5.85	0.00	-62.49	0.00	62.49	600.65	300.33	420.38	207.61	147.96	-10.67	0.307
138.00	-2.62	-4.32	0.00	-50.78	0.00	50.78	589.58	294.79	404.95	199.99	152.42	-10.76	0.259
140.00	-2.54	-4.19	0.00	-42.15	0.00	42.15	578.51	289.26	389.80	192.51	156.92	-10.83	0.224
142.00	-2.47	-4.05	0.00	-33.77	0.00	33.77	567.44	283.72	374.94	185.17	161.44	-10.90	0.187
144.00	-2.40	-3.92	0.00	-25.67	0.00	25.67	556.38	278.19	360.38	177.98	165.99	-10.95	0.149
146.00	-2.33	-3.79	0.00	-17.82	0.00	17.82	545.31	272.65	346.10	170.92	170.56	-10.99	0.109
148.00	-2.27	-3.67	0.00	-10.23	0.00	10.23	534.24	267.12	332.11	164.01	175.14	-11.02	0.067
150.00	0.00	-3.16	0.00	-2.90	0.00	2.90	523.17	261.58	318.40	157.25	179.73	-11.03	0.019

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 8/31/2009 9:18:45 AM
 Page: 13



Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 34 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 0.90
Wind Load Factor: 1.60

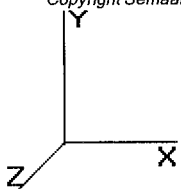
Shaft Segment Forces (Factored)

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	256.32	1.000	0.00	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	15.364	16.90	254.17	1.000	0.00	2.00	6.423	6.42	173.7	0.0	272.5
4.00		1.00	0.70	15.364	16.90	252.02	1.000	0.00	2.00	6.369	6.37	172.2	0.0	270.2
6.00		1.00	0.70	15.364	16.90	249.87	1.000	0.00	2.00	6.315	6.31	170.8	0.0	267.9
8.00		1.00	0.70	15.364	16.90	247.72	1.000	0.00	2.00	6.261	6.26	169.3	0.0	265.6
10.00		1.00	0.70	15.364	16.90	245.57	1.000	0.00	2.00	6.206	6.21	167.8	0.0	263.3
12.00		1.00	0.70	15.364	16.90	243.42	1.000	0.00	2.00	6.152	6.15	166.4	0.0	260.9
14.00		1.00	0.70	15.364	16.90	241.27	1.000	0.00	2.00	6.098	6.10	164.9	0.0	258.6
16.00		1.00	0.70	15.364	16.90	239.13	1.000	0.00	2.00	6.044	6.04	163.4	0.0	256.3
18.00		1.00	0.70	15.364	16.90	236.98	1.000	0.00	2.00	5.990	5.99	162.0	0.0	254.0
20.00		1.00	0.70	15.364	16.90	234.83	1.000	0.00	2.00	5.936	5.94	160.5	0.0	251.7
22.00		1.00	0.70	15.364	16.90	232.68	1.000	0.00	2.00	5.882	5.88	159.1	0.0	249.3
24.00		1.00	0.70	15.364	16.90	230.53	1.000	0.00	2.00	5.828	5.83	157.6	0.0	247.0
26.00		1.00	0.70	15.364	16.90	228.38	1.000	0.00	2.00	5.774	5.77	156.1	0.0	244.7
28.00		1.00	0.70	15.364	16.90	226.23	1.000	0.00	2.00	5.720	5.72	154.7	0.0	242.4
30.00	Appertunance(s)	1.00	0.70	15.377	16.91	224.18	1.000	0.00	2.00	5.666	5.67	153.3	0.0	240.1
31.50	Bot - Section 2	1.00	0.71	15.593	17.15	224.12	1.000	0.00	1.50	4.215	4.21	115.7	0.0	178.6
32.00		1.00	0.71	15.663	17.23	224.08	1.000	0.00	0.50	1.424	1.42	39.3	0.0	109.6
34.00	Appertunance(s)	1.00	0.72	15.937	17.53	223.84	1.000	0.00	2.00	5.665	5.67	158.9	0.0	435.9
35.67	Top - Section 1	1.00	0.73	16.156	17.77	223.54	1.000	0.00	1.67	4.681	4.68	133.1	0.0	360.1
36.00		1.00	0.73	16.199	17.81	227.87	1.000	0.00	0.33	0.931	0.93	26.5	0.0	32.9
38.00		1.00	0.75	16.452	18.09	227.42	1.000	0.00	2.00	5.557	5.56	160.9	0.0	196.6
40.00		1.00	0.76	16.694	18.36	226.85	1.000	0.00	2.00	5.503	5.50	161.7	0.0	194.6
42.00		1.00	0.77	16.929	18.62	226.18	1.000	0.00	2.00	5.449	5.45	162.4	0.0	192.7
44.00		1.00	0.78	17.155	18.87	225.42	1.000	0.00	2.00	5.395	5.39	162.9	0.0	190.8
46.00		1.00	0.79	17.375	19.11	224.57	1.000	0.00	2.00	5.341	5.34	163.3	0.0	188.8
48.00		1.00	0.80	17.587	19.34	223.64	1.000	0.00	2.00	5.287	5.29	163.6	0.0	186.9
50.00		1.00	0.81	17.793	19.57	222.63	1.000	0.00	2.00	5.233	5.23	163.9	0.0	185.0
52.00		1.00	0.82	17.994	19.79	221.56	1.000	0.00	2.00	5.179	5.18	164.0	0.0	183.1
54.00		1.00	0.82	18.189	20.00	220.42	1.000	0.00	2.00	5.125	5.12	164.1	0.0	181.1
56.00		1.00	0.83	18.379	20.21	219.22	1.000	0.00	2.00	5.071	5.07	164.0	0.0	179.2
58.00		1.00	0.84	18.564	20.42	217.96	1.000	0.00	2.00	5.016	5.02	163.9	0.0	177.3
60.00		1.00	0.85	18.745	20.61	216.64	1.000	0.00	2.00	4.962	4.96	163.7	0.0	175.3
62.00		1.00	0.86	18.921	20.81	215.27	1.000	0.00	2.00	4.908	4.91	163.5	0.0	173.4
64.00		1.00	0.87	19.094	21.00	213.85	1.000	0.00	2.00	4.854	4.85	163.1	0.0	171.5
66.00		1.00	0.87	19.262	21.18	212.39	1.000	0.00	2.00	4.800	4.80	162.7	0.0	169.5
68.00		1.00	0.88	19.427	21.37	210.88	1.000	0.00	2.00	4.746	4.75	162.3	0.0	167.6
70.00		1.00	0.89	19.589	21.54	209.33	1.000	0.00	2.00	4.692	4.69	161.8	0.0	165.7
70.00	Bot - Section 3	1.00	0.89	19.589	21.54	209.33	1.000	0.00	0.00	0.001	0.00	0.0	0.0	0.0
72.00		1.00	0.90	19.747	21.72	207.74	1.000	0.00	2.00	4.723	4.72	164.2	0.0	297.5
73.50	Top - Section 2	1.00	0.90	19.864	21.85	206.52	1.000	0.00	1.50	3.508	3.51	122.7	0.0	220.9
74.00		1.00	0.90	19.902	21.89	210.01	1.000	0.00	0.50	1.162	1.16	40.7	0.0	32.9
76.00		1.00	0.91	20.055	22.06	208.36	1.000	0.00	2.00	4.616	4.62	162.9	0.0	130.7
78.00		1.00	0.92	20.204	22.22	206.67	1.000	0.00	2.00	4.562	4.56	162.2	0.0	129.1
80.00		1.00	0.92	20.351	22.38	204.94	1.000	0.00	2.00	4.508	4.51	161.5	0.0	127.6
82.00		1.00	0.93	20.495	22.54	203.18	1.000	0.00	2.00	4.454	4.45	160.7	0.0	126.0
84.00		1.00	0.94	20.636	22.70	201.39	1.000	0.00	2.00	4.400	4.40	159.8	0.0	124.5
86.00		1.00	0.94	20.776	22.85	199.57	1.000	0.00	2.00	4.346	4.35	158.9	0.0	122.9
88.00		1.00	0.95	20.913	23.00	197.72	1.000	0.00	2.00	4.292	4.29	158.0	0.0	121.4
90.00		1.00	0.95	21.047	23.15	195.84	1.000	0.00	2.00	4.238	4.24	157.0	0.0	119.9
92.00		1.00	0.96	21.180	23.29	193.93	1.000	0.00	2.00	4.183	4.18	155.9	0.0	118.3

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 8/31/2009 9:18:46 AM
 Page: 14



Load Case: 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	34 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

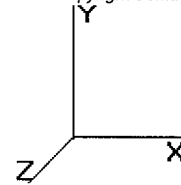
94.00	1.00	0.97	21.310	23.44	192.00	1.000	0.00	2.00	4.129	4.13	154.9	0.0	116.8	
96.00	1.00	0.97	21.439	23.58	190.04	1.000	0.00	2.00	4.075	4.08	153.8	0.0	115.2	
98.00	1.00	0.98	21.566	23.72	188.06	1.000	0.00	2.00	4.021	4.02	152.6	0.0	113.7	
100.0	1.00	0.98	21.690	23.86	186.05	1.000	0.00	2.00	3.967	3.97	151.4	0.0	112.1	
102.0	1.00	0.99	21.814	23.99	184.01	1.000	0.00	2.00	3.913	3.91	150.2	0.0	110.6	
104.0	1.00	0.99	21.935	24.12	181.95	1.000	0.00	2.00	3.859	3.86	149.0	0.0	109.0	
106.0	1.00	1.00	22.055	24.26	179.88	1.000	0.00	2.00	3.805	3.80	147.7	0.0	107.5	
108.0	1.00	1.01	22.173	24.39	177.78	1.000	0.00	2.00	3.751	3.75	146.4	0.0	105.9	
110.0	1.00	1.01	22.289	24.51	175.65	1.000	0.00	2.00	3.697	3.70	145.0	0.0	104.4	
110.0	Top - Section 3	1.00	1.01	22.289	24.51	175.65	1.000	0.00	0.00	0.001	0.00	0.0	0.0	
112.0		1.00	1.02	22.404	24.64	173.51	1.000	0.00	2.00	3.642	3.64	143.6	0.0	77.4
114.0		1.00	1.02	22.518	24.77	171.35	1.000	0.00	2.00	3.589	3.59	142.2	0.0	76.2
116.0		1.00	1.03	22.630	24.89	169.17	1.000	0.00	2.00	3.535	3.53	140.8	0.0	75.1
118.0	Appertunance(s)	1.00	1.03	22.741	25.01	166.97	1.000	0.00	2.00	3.480	3.48	139.3	0.0	73.9
120.0		1.00	1.04	22.850	25.13	164.75	1.000	0.00	2.00	3.426	3.43	137.8	0.0	72.7
122.0		1.00	1.04	22.959	25.25	162.51	1.000	0.00	2.00	3.372	3.37	136.3	0.0	71.6
124.0		1.00	1.05	23.065	25.37	160.25	1.000	0.00	2.00	3.318	3.32	134.7	0.0	70.4
126.0		1.00	1.05	23.171	25.48	157.98	1.000 *	0.00	2.00	3.264	3.26	133.1	0.0	69.3
128.0	Appertunance(s)	1.00	1.06	23.276	25.60	155.69	1.000 *	0.00	2.00	3.210	3.21	131.5	0.0	68.1
130.0		1.00	1.06	23.379	25.71	153.39	1.000	0.00	2.00	3.156	3.16	129.9	0.0	66.9
132.0		1.00	1.07	23.481	25.82	151.06	1.000	0.00	2.00	3.102	3.10	128.2	0.0	65.8
134.0		1.00	1.07	23.582	25.94	148.73	1.000	0.00	2.00	3.048	3.05	126.5	0.0	64.6
136.0		1.00	1.07	23.682	26.05	146.37	1.000	0.00	2.00	2.994	2.99	124.8	0.0	63.5
138.0	Appertunance(s)	1.00	1.08	23.781	26.15	144.01	1.000	0.00	2.00	2.940	2.94	123.0	0.0	62.3
140.0		1.00	1.08	23.879	26.26	141.62	1.000	0.00	2.00	2.886	2.89	121.3	0.0	61.2
142.0		1.00	1.09	23.976	26.37	139.23	1.000	0.00	2.00	2.832	2.83	119.5	0.0	60.0
144.0		1.00	1.09	24.072	26.47	136.81	1.000	0.00	2.00	2.777	2.78	117.7	0.0	58.8
146.0		1.00	1.10	24.167	26.58	134.39	1.000	0.00	2.00	2.723	2.72	115.8	0.0	57.7
148.0		1.00	1.10	24.261	26.68	131.95	1.000	0.00	2.00	2.669	2.67	114.0	0.0	56.5
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	129.50	1.000	0.00	2.00	2.615	2.62	112.1	0.0	55.4
							Totals:	150.00			11,384.3	0.0	12,034.9	

* = Cf Adjusted By Linear Load Ra Effect

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



Load Case: 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	34 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

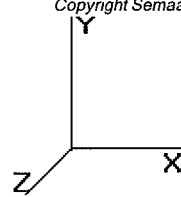
Discrete Appurtenance Segment Forces (Factored)

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)
30.00	Stand-off	1	15.377	16.915	1.00	1.00	2.00	0.000	0.000	54.13	0.00	0.00	45.00
30.00	GPS	1	15.414	16.955	1.00	1.00	0.60	0.000	0.250	16.28	0.00	4.07	1.35
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
34.00	GPS	1	15.970	17.567	1.00	1.00	0.60	0.000	0.250	16.86	0.00	4.22	1.35
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	Argus LLPX310R	3	22.741	25.015	0.60	0.80	8.69	0.000	0.000	347.97	0.00	0.00	77.22
118.0	DragonWave Horizon	2	22.741	25.015	0.40	0.80	0.34	0.000	0.000	13.77	0.00	0.00	19.08
118.0	DragonWave A-ANT-	2	22.741	25.015	1.00	1.00	9.38	0.000	0.000	375.42	0.00	0.00	48.78
118.0	NextNet BTS-2500	3	22.741	25.015	0.64	0.80	4.07	0.000	0.000	162.91	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	0.73	1.00	11.30	0.000	0.000	462.92	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	0.50	0.75	9.05	0.000	0.000	378.58	0.00	0.00	675.00
150.0	Diplexer	3	24.355	26.790	0.40	0.80	0.84	0.000	0.000	36.01	0.00	0.00	13.50
150.0	RCU	6	24.355	26.790	0.40	0.80	0.38	0.000	0.000	16.46	0.00	0.00	5.40
150.0	ADC CG-800DD	12	24.355	26.790	0.38	0.75	5.63	0.000	0.000	241.11	0.00	0.00	150.12
150.0	CSS DUO4-8670	9	24.435	26.879	0.62	0.75	36.48	0.000	1.750	1,568.69	0.00	2,745.20	311.85
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	Platform w/rails-Cal	1	24.355	26.790	1.00	1.00	26.00	0.000	0.000	1,114.47	0.00	0.00	1,620.00
										6,268.97			3,507.93

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
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 Taper : 0.156700 (in/ft)

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

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 8/31/2009 9:18:46 AM
 Page: 16



Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 34 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 0.90
Wind Load Factor : 1.60

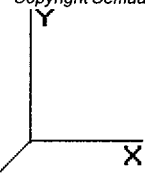
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	F X (lb)	Dead Load (lb)
2.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.084	0.000	0.00	8.85
2.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.084	0.000	0.00	0.27
2.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.084	0.000	0.00	0.27
4.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.085	0.000	0.00	8.85
4.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.085	0.000	0.00	0.27
4.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.085	0.000	0.00	0.27
6.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.086	0.000	0.00	8.85
6.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.086	0.000	0.00	0.27
6.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.086	0.000	0.00	0.27
8.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.086	0.000	0.00	8.85
8.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.086	0.000	0.00	0.27
8.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.086	0.000	0.00	0.27
10.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.087	0.000	0.00	8.85
10.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.087	0.000	0.00	0.27
10.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.087	0.000	0.00	0.27
12.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.088	0.000	0.00	8.85
12.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.088	0.000	0.00	0.27
12.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.088	0.000	0.00	0.27
14.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.089	0.000	0.00	8.85
14.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.089	0.000	0.00	0.27
14.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.089	0.000	0.00	0.27
16.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.089	0.000	0.00	8.85
16.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.089	0.000	0.00	0.27
16.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.089	0.000	0.00	0.27
18.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.090	0.000	0.00	8.85
18.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.090	0.000	0.00	0.27
18.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.090	0.000	0.00	0.27
20.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.091	0.000	0.00	8.85
20.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.091	0.000	0.00	0.27
20.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.091	0.000	0.00	0.27
22.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.092	0.000	0.00	8.85
22.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.092	0.000	0.00	0.27
22.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.092	0.000	0.00	0.27
24.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.093	0.000	0.00	8.85
24.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.093	0.000	0.00	0.27
24.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.093	0.000	0.00	0.27
26.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.094	0.000	0.00	8.85
26.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.094	0.000	0.00	0.27
26.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.094	0.000	0.00	0.27
28.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.364	0.094	0.000	0.00	8.85
28.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.094	0.000	0.00	0.27
28.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.364	0.094	0.000	0.00	0.27
30.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.377	0.095	0.000	0.00	8.85
30.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.377	0.095	0.000	0.00	0.27
30.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.377	0.095	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	0.077	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	0.077	0.000	0.00	0.20
32.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	15.663	0.078	0.000	0.00	2.21
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.63	0.03	0.00	15.663	0.078	0.000	0.00	0.07
34.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	15.937	0.078	0.000	0.00	8.85
34.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	15.937	0.078	0.000	0.00	0.27

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

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 8/31/2009 9:18:46 AM
 Page: 17



Base Elev : 0.000 (ft)

Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 34 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

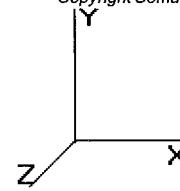
Wind Load Factor : 1.60

35.67	(6) 1 5/8" Coax	Yes	1.67	0.000	1.98	0.28	0.00	16.156	0.060	0.000	0.00	7.38
36.00	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.05	0.00	16.199	0.059	0.000	0.00	1.47
38.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	16.452	0.059	0.000	0.00	8.85
40.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	16.694	0.060	0.000	0.00	8.85
42.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	16.929	0.061	0.000	0.00	8.85
44.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.155	0.061	0.000	0.00	8.85
46.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.375	0.062	0.000	0.00	8.85
48.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.587	0.062	0.000	0.00	8.85
50.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.793	0.063	0.000	0.00	8.85
52.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	17.994	0.064	0.000	0.00	8.85
54.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.189	0.064	0.000	0.00	8.85
56.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.379	0.065	0.000	0.00	8.85
58.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.564	0.066	0.000	0.00	8.85
60.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.745	0.067	0.000	0.00	8.85
62.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	18.921	0.067	0.000	0.00	8.85
64.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.094	0.068	0.000	0.00	8.85
66.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.262	0.069	0.000	0.00	8.85
68.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.427	0.070	0.000	0.00	8.85
70.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.589	0.070	0.000	0.00	8.85
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	1.98	0.00	0.00	19.589	0.071	0.000	0.00	0.00
72.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	19.747	0.071	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	0.072	0.000	0.00	6.64
74.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	19.902	0.071	0.000	0.00	2.21
76.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.055	0.071	0.000	0.00	8.85
78.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.204	0.072	0.000	0.00	8.85
80.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.351	0.073	0.000	0.00	8.85
82.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.495	0.074	0.000	0.00	8.85
84.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.636	0.075	0.000	0.00	8.85
86.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.776	0.076	0.000	0.00	8.85
88.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	20.913	0.077	0.000	0.00	8.85
90.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.047	0.078	0.000	0.00	8.85
92.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.180	0.079	0.000	0.00	8.85
94.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.310	0.080	0.000	0.00	8.85
96.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.439	0.081	0.000	0.00	8.85
98.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.566	0.082	0.000	0.00	8.85
100.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.690	0.083	0.000	0.00	8.85
102.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.814	0.084	0.000	0.00	8.85
104.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	21.935	0.086	0.000	0.00	8.85
106.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.055	0.087	0.000	0.00	8.85
108.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.173	0.088	0.000	0.00	8.85
110.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.289	0.089	0.000	0.00	8.85
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	1.98	0.00	0.00	22.289	0.090	0.000	0.00	0.00
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.404	0.091	0.000	0.00	8.85
114.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.518	0.092	0.000	0.00	8.85
116.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.630	0.093	0.000	0.00	8.85
118.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.741	0.095	0.000	0.00	8.85
120.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.850	0.096	0.000	0.00	8.85
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	22.959	0.098	0.000	0.00	8.85
124.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	23.065	0.099	0.000	0.00	8.85
126.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	23.171	0.101	1.003	0.00	8.85
128.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	23.276	0.103	1.008	0.00	8.85
Totals:											0.00	575.35

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 34 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

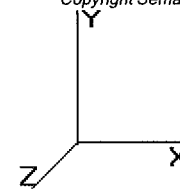
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
2.00	173.68	318.12	0.00	0.00
4.00	172.21	315.80	0.00	0.00
6.00	170.75	313.48	0.00	0.00
8.00	169.29	311.16	0.00	0.00
10.00	167.83	308.85	0.00	0.00
12.00	166.37	306.53	0.00	0.00
14.00	164.90	304.21	0.00	0.00
16.00	163.44	301.89	0.00	0.00
18.00	161.98	299.57	0.00	0.00
20.00	160.52	297.26	0.00	0.00
22.00	159.05	294.94	0.00	0.00
24.00	157.59	292.62	0.00	0.00
26.00	156.13	290.30	0.00	0.00
28.00	154.67	287.98	0.00	0.00
30.00	223.74	332.02	0.00	4.07
31.50	115.67	212.57	0.00	0.00
32.00	39.25	120.88	0.00	0.00
34.00	231.87	527.55	0.00	4.22
35.67	133.10	397.61	0.00	0.00
36.00	26.53	40.42	0.00	0.00
38.00	160.91	241.62	0.00	0.00
40.00	161.69	239.69	0.00	0.00
42.00	162.35	237.76	0.00	0.00
44.00	162.89	235.83	0.00	0.00
46.00	163.32	233.90	0.00	0.00
48.00	163.65	231.97	0.00	0.00
50.00	163.87	230.04	0.00	0.00
52.00	164.01	228.10	0.00	0.00
54.00	164.05	226.17	0.00	0.00
56.00	164.02	224.24	0.00	0.00
58.00	163.90	222.31	0.00	0.00
60.00	163.71	220.38	0.00	0.00
62.00	163.45	218.45	0.00	0.00
64.00	163.13	216.51	0.00	0.00
66.00	162.73	214.58	0.00	0.00
68.00	162.28	212.65	0.00	0.00
70.00	161.76	210.72	0.00	0.00
70.00	0.03	0.04	0.00	0.00
72.00	164.16	342.49	0.00	0.00
73.50	122.66	254.69	0.00	0.00
74.00	40.69	44.14	0.00	0.00
76.00	162.93	175.72	0.00	0.00
78.00	162.22	174.18	0.00	0.00
80.00	161.46	172.63	0.00	0.00
82.00	160.65	171.09	0.00	0.00
84.00	159.80	169.54	0.00	0.00
86.00	158.90	168.00	0.00	0.00
88.00	157.96	166.45	0.00	0.00
90.00	156.97	164.91	0.00	0.00

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
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 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



Load Case: 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	34 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

Calculated Forces

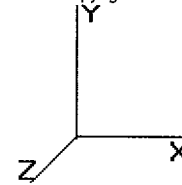
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-18.64	-17.67	0.00	-1,764.82	0.00	1,764.82	2,613.99	1,306.99	3,984.35	1,967.72	0.00	0.00	0.904
2.00	-18.28	-17.54	0.00	-1,729.48	0.00	1,729.48	2,591.85	1,295.92	3,916.81	1,934.37	0.03	-0.13	0.901
4.00	-17.93	-17.41	0.00	-1,694.40	0.00	1,694.40	2,569.71	1,284.86	3,849.85	1,901.30	0.11	-0.26	0.898
6.00	-17.57	-17.27	0.00	-1,659.59	0.00	1,659.59	2,547.57	1,273.79	3,783.47	1,868.51	0.24	-0.38	0.895
8.00	-17.23	-17.14	0.00	-1,625.05	0.00	1,625.05	2,525.43	1,262.72	3,717.66	1,836.01	0.43	-0.51	0.892
10.00	-16.88	-17.01	0.00	-1,590.77	0.00	1,590.77	2,503.30	1,251.65	3,652.43	1,803.80	0.67	-0.64	0.889
12.00	-16.54	-16.88	0.00	-1,556.75	0.00	1,556.75	2,481.16	1,240.58	3,587.78	1,771.87	0.97	-0.77	0.885
14.00	-16.20	-16.74	0.00	-1,523.00	0.00	1,523.00	2,459.02	1,229.51	3,523.71	1,740.23	1.32	-0.90	0.882
16.00	-15.86	-16.61	0.00	-1,489.52	0.00	1,489.52	2,436.88	1,218.44	3,460.21	1,708.87	1.73	-1.04	0.878
18.00	-15.52	-16.48	0.00	-1,456.29	0.00	1,456.29	2,414.74	1,207.37	3,397.29	1,677.80	2.19	-1.17	0.875
20.00	-15.19	-16.35	0.00	-1,423.33	0.00	1,423.33	2,392.60	1,196.30	3,334.95	1,647.01	2.71	-1.30	0.871
22.00	-14.86	-16.22	0.00	-1,390.64	0.00	1,390.64	2,370.47	1,185.23	3,273.19	1,616.50	3.29	-1.44	0.867
24.00	-14.54	-16.09	0.00	-1,358.21	0.00	1,358.21	2,348.33	1,174.16	3,212.00	1,586.29	3.92	-1.57	0.863
26.00	-14.21	-15.96	0.00	-1,326.03	0.00	1,326.03	2,326.19	1,163.10	3,151.39	1,556.35	4.60	-1.70	0.858
28.00	-13.89	-15.82	0.00	-1,294.12	0.00	1,294.12	2,304.05	1,152.03	3,091.36	1,526.71	5.35	-1.84	0.854
30.00	-13.54	-15.62	0.00	-1,262.47	0.00	1,262.47	2,281.91	1,140.96	3,031.90	1,497.34	6.15	-1.98	0.849
31.50	-13.31	-15.51	0.00	-1,239.04	0.00	1,239.04	2,265.31	1,132.65	2,987.68	1,475.50	6.78	-2.08	0.846
32.00	-13.17	-15.49	0.00	-1,231.29	0.00	1,231.29	2,259.78	1,129.89	2,973.03	1,468.27	7.00	-2.11	0.845
34.00	-12.62	-15.26	0.00	-1,200.31	0.00	1,200.31	2,237.64	1,118.82	2,914.73	1,439.47	7.92	-2.25	0.840
35.67	-12.21	-15.13	0.00	-1,174.87	0.00	1,174.87	1,889.79	944.90	2,499.95	1,234.63	8.72	-2.37	0.958
36.00	-12.14	-15.12	0.00	-1,169.83	0.00	1,169.83	1,886.72	943.36	2,491.79	1,230.60	8.89	-2.39	0.957
38.00	-11.87	-14.98	0.00	-1,139.59	0.00	1,139.59	1,868.27	934.14	2,443.07	1,206.54	9.92	-2.54	0.951
40.00	-11.60	-14.84	0.00	-1,109.63	0.00	1,109.63	1,849.82	924.91	2,394.82	1,182.71	11.02	-2.70	0.945
42.00	-11.33	-14.70	0.00	-1,079.95	0.00	1,079.95	1,831.37	915.69	2,347.06	1,159.13	12.19	-2.86	0.938
44.00	-11.06	-14.55	0.00	-1,050.56	0.00	1,050.56	1,812.93	906.46	2,299.78	1,135.77	13.42	-3.01	0.931
46.00	-10.79	-14.41	0.00	-1,021.45	0.00	1,021.45	1,794.48	897.24	2,252.98	1,112.66	14.71	-3.17	0.924
48.00	-10.53	-14.26	0.00	-992.64	0.00	992.64	1,776.03	888.01	2,206.66	1,089.79	16.07	-3.33	0.917
50.00	-10.27	-14.11	0.00	-964.12	0.00	964.12	1,757.58	878.79	2,160.82	1,067.15	17.50	-3.49	0.910
52.00	-10.02	-13.96	0.00	-935.90	0.00	935.90	1,739.13	869.57	2,115.47	1,044.75	18.99	-3.64	0.902
54.00	-9.77	-13.81	0.00	-907.98	0.00	907.98	1,720.68	860.34	2,070.59	1,022.59	20.55	-3.80	0.894
56.00	-9.51	-13.66	0.00	-880.37	0.00	880.37	1,702.23	851.12	2,026.20	1,000.66	22.18	-3.96	0.886
58.00	-9.27	-13.50	0.00	-853.05	0.00	853.05	1,683.79	841.89	1,982.28	978.98	23.87	-4.12	0.877
60.00	-9.02	-13.35	0.00	-826.05	0.00	826.05	1,665.34	832.67	1,938.85	957.53	25.63	-4.28	0.868
62.00	-8.78	-13.19	0.00	-799.35	0.00	799.35	1,646.89	823.44	1,895.90	936.31	27.45	-4.44	0.859
64.00	-8.54	-13.04	0.00	-772.96	0.00	772.96	1,628.44	814.22	1,853.43	915.34	29.34	-4.60	0.850
66.00	-8.30	-12.88	0.00	-746.89	0.00	746.89	1,609.99	805.00	1,811.44	894.60	31.30	-4.76	0.840
68.00	-8.07	-12.72	0.00	-721.13	0.00	721.13	1,591.54	795.77	1,769.93	874.10	33.33	-4.91	0.830
70.00	-7.86	-12.56	0.00	-695.68	0.00	695.68	1,573.10	786.55	1,728.91	853.84	35.42	-5.07	0.820
70.00	-7.84	-12.57	0.00	-695.68	0.00	695.68	1,573.09	786.55	1,728.90	853.84	35.42	-5.07	0.820
72.00	-7.48	-12.39	0.00	-670.55	0.00	670.55	1,554.65	777.32	1,688.36	833.82	37.57	-5.23	0.809
73.50	-7.23	-12.25	0.00	-651.96	0.00	651.96	1,259.14	629.57	1,387.79	685.38	39.23	-5.35	0.957
74.00	-7.16	-12.22	0.00	-645.84	0.00	645.84	1,255.45	627.72	1,379.64	681.35	39.79	-5.39	0.954
76.00	-6.96	-12.07	0.00	-621.39	0.00	621.39	1,240.69	620.34	1,347.24	665.35	42.09	-5.58	0.940
78.00	-6.77	-11.91	0.00	-597.25	0.00	597.25	1,225.93	612.97	1,315.23	649.54	44.46	-5.76	0.925
80.00	-6.57	-11.75	0.00	-573.43	0.00	573.43	1,211.17	605.59	1,283.60	633.92	46.91	-5.94	0.910
82.00	-6.38	-11.60	0.00	-549.92	0.00	549.92	1,196.41	598.21	1,252.36	618.50	49.43	-6.13	0.895
84.00	-6.20	-11.44	0.00	-526.73	0.00	526.73	1,181.65	590.83	1,221.51	603.26	52.03	-6.31	0.879
86.00	-6.01	-11.28	0.00	-503.85	0.00	503.85	1,166.90	583.45	1,191.04	588.21	54.71	-6.49	0.862
88.00	-5.83	-11.12	0.00	-481.29	0.00	481.29	1,152.14	576.07	1,160.95	573.35	57.46	-6.67	0.845
90.00	-5.65	-10.97	0.00	-459.05	0.00	459.05	1,137.38	568.69	1,131.25	558.68	60.29	-6.85	0.827
92.00	-5.47	-10.81	0.00	-437.11	0.00	437.11	1,122.62	561.31	1,101.93	544.20	63.19	-7.02	0.808

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 8/31/2009 9:18:47 AM
 Page: 21



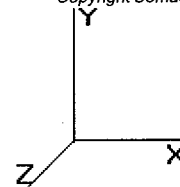
Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 34 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 0.90
Wind Load Factor : 1.60

94.00	-5.30	-10.65	0.00	-415.50	0.00	415.50	1,107.86	553.93	1,073.00	529.91	66.16	-7.20	0.789
96.00	-5.13	-10.49	0.00	-394.20	0.00	394.20	1,093.10	546.55	1,044.45	515.82	69.20	-7.37	0.769
98.00	-4.96	-10.34	0.00	-373.21	0.00	373.21	1,078.34	539.17	1,016.29	501.91	72.32	-7.54	0.749
100.00	-4.80	-10.18	0.00	-352.54	0.00	352.54	1,063.58	531.79	988.52	488.19	75.50	-7.71	0.727
102.00	-4.63	-10.02	0.00	-332.19	0.00	332.19	1,048.83	524.41	961.12	474.66	78.76	-7.87	0.705
104.00	-4.48	-9.87	0.00	-312.14	0.00	312.14	1,034.07	517.03	934.12	461.32	82.08	-8.03	0.681
106.00	-4.32	-9.71	0.00	-292.41	0.00	292.41	1,019.31	509.65	907.49	448.18	85.47	-8.19	0.657
108.00	-4.16	-9.55	0.00	-272.99	0.00	272.99	1,004.55	502.27	881.26	435.22	88.92	-8.35	0.632
110.00	-4.03	-9.39	0.00	-253.88	0.00	253.88	989.79	494.89	855.40	422.45	92.43	-8.50	0.605
110.00	-4.01	-9.40	0.00	-253.88	0.00	253.88	989.79	494.89	855.40	422.45	92.43	-8.50	0.605
110.00	-4.01	-9.40	0.00	-253.88	0.00	253.88	989.79	494.89	855.40	422.45	92.43	-8.50	0.800
112.00	-3.89	-9.25	0.00	-235.08	0.00	235.08	973.48	366.74	628.11	310.20	96.01	-8.64	0.764
114.00	-3.76	-9.10	0.00	-216.58	0.00	216.58	722.41	361.21	609.21	300.87	99.66	-8.83	0.726
116.00	-3.64	-8.96	0.00	-198.38	0.00	198.38	711.34	355.67	590.60	291.67	103.38	-9.01	0.686
118.00	-3.44	-7.54	0.00	-180.46	0.00	180.46	700.27	350.14	572.28	282.63	107.17	-9.18	0.644
120.00	-3.33	-7.40	0.00	-165.38	0.00	165.38	689.20	344.60	554.25	273.72	111.04	-9.34	0.609
122.00	-3.22	-7.25	0.00	-150.58	0.00	150.58	678.14	339.07	536.50	264.96	114.97	-9.50	0.574
124.00	-3.11	-7.11	0.00	-136.08	0.00	136.08	667.07	333.53	519.05	256.34	118.96	-9.65	0.536
126.00	-3.00	-6.97	0.00	-121.86	0.00	121.86	656.00	328.00	501.88	247.86	123.01	-9.79	0.497
128.00	-2.76	-6.18	0.00	-107.93	0.00	107.93	644.93	322.46	485.00	239.53	127.12	-9.92	0.455
130.00	-2.67	-6.04	0.00	-95.56	0.00	95.56	633.86	316.93	468.41	231.33	131.28	-10.05	0.418
132.00	-2.58	-5.90	0.00	-83.48	0.00	83.48	622.79	311.39	452.11	223.28	135.50	-10.16	0.378
134.00	-2.49	-5.77	0.00	-71.67	0.00	71.67	611.72	305.86	436.10	215.38	139.75	-10.26	0.337
136.00	-2.41	-5.63	0.00	-60.14	0.00	60.14	600.65	300.33	420.38	207.61	144.05	-10.36	0.294
138.00	-1.81	-4.15	0.00	-48.88	0.00	48.88	589.58	294.79	404.95	199.99	148.38	-10.44	0.248
140.00	-1.76	-4.02	0.00	-40.57	0.00	40.57	578.51	289.26	389.80	192.51	152.75	-10.51	0.214
142.00	-1.71	-3.89	0.00	-32.53	0.00	32.53	567.44	283.72	374.94	185.17	157.14	-10.57	0.179
144.00	-1.66	-3.77	0.00	-24.75	0.00	24.75	556.38	278.19	360.38	177.98	161.55	-10.62	0.142
146.00	-1.61	-3.64	0.00	-17.21	0.00	17.21	545.31	272.65	346.10	170.92	165.99	-10.66	0.104
148.00	-1.57	-3.52	0.00	-9.93	0.00	9.93	534.24	267.12	332.11	164.01	170.44	-10.69	0.064
150.00	0.00	-3.16	0.00	-2.90	0.00	2.90	523.17	261.58	318.40	157.25	174.89	-10.70	0.019

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 8/31/2009 9:18:47 AM
 Page: 22



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 34 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)

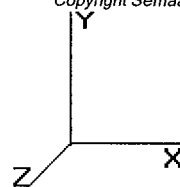
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.00	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	4.256	4.682	0.000	1.200	1.51	2.00	6.926	8.31	38.9	150.9	514.3
4.00		1.00	0.70	4.256	4.682	0.000	1.200	1.62	2.00	6.908	8.29	38.8	160.9	521.2
6.00		1.00	0.70	4.256	4.682	0.000	1.200	1.68	2.00	6.877	8.25	38.6	166.5	523.7
8.00		1.00	0.70	4.256	4.682	0.000	1.200	1.73	2.00	6.839	8.21	38.4	170.1	524.2
10.00		1.00	0.70	4.256	4.682	0.000	1.200	1.77	2.00	6.798	8.16	38.2	172.7	523.7
12.00		1.00	0.70	4.256	4.682	0.000	1.200	1.80	2.00	6.755	8.11	37.9	174.6	522.5
14.00		1.00	0.70	4.256	4.682	0.000	1.200	1.83	2.00	6.710	8.05	37.7	175.9	520.7
16.00		1.00	0.70	4.256	4.682	0.000	1.200	1.86	2.00	6.664	8.00	37.4	176.9	518.6
18.00		1.00	0.70	4.256	4.682	0.000	1.200	1.88	2.00	6.618	7.94	37.2	177.5	516.2
20.00		1.00	0.70	4.256	4.682	0.000	1.200	1.90	2.00	6.570	7.88	36.9	178.0	513.5
22.00		1.00	0.70	4.256	4.682	0.000	1.200	1.92	2.00	6.522	7.83	36.6	178.2	510.7
24.00		1.00	0.70	4.256	4.682	0.000	1.200	1.93	2.00	6.474	7.77	36.4	178.3	507.6
26.00		1.00	0.70	4.256	4.682	0.000	1.200	1.95	2.00	6.425	7.71	36.1	178.2	504.5
28.00		1.00	0.70	4.256	4.682	0.000	1.200	1.96	2.00	6.376	7.65	35.8	178.0	501.2
30.00	Appertunance(s)	1.00	0.70	4.260	4.686	0.000	1.200	1.98	2.00	6.326	7.59	35.6	177.7	497.8
31.50	Bot - Section 2	1.00	0.71	4.319	4.751	0.000	1.200	1.99	1.50	4.712	5.65	26.9	133.1	371.2
32.00		1.00	0.71	4.339	4.773	0.000	1.200	1.99	0.50	1.590	1.91	9.1	45.1	191.2
34.00	Appertunance(s)	1.00	0.72	4.415	4.856	0.000	1.200	2.00	2.00	6.334	7.60	36.9	180.0	761.2
35.67	Top - Section 1	1.00	0.73	4.475	4.923	0.000	1.200	2.01	1.67	5.241	6.29	31.0	149.7	629.8
36.00		1.00	0.73	4.487	4.936	0.000	1.200	2.01	0.33	1.042	1.25	6.2	29.9	73.8
38.00		1.00	0.75	4.557	5.013	0.000	1.200	2.02	2.00	6.233	7.48	37.5	178.9	441.0
40.00		1.00	0.76	4.625	5.087	0.000	1.200	2.03	2.00	6.183	7.42	37.7	178.2	437.7
42.00		1.00	0.77	4.689	5.158	0.000	1.200	2.04	2.00	6.132	7.36	38.0	177.4	434.4
44.00		1.00	0.78	4.752	5.227	0.000	1.200	2.05	2.00	6.081	7.30	38.1	176.6	431.0
46.00		1.00	0.79	4.813	5.294	0.000	1.200	2.06	2.00	6.030	7.24	38.3	175.8	427.6
48.00		1.00	0.80	4.872	5.359	0.000	1.200	2.07	2.00	5.979	7.17	38.4	174.9	424.1
50.00		1.00	0.81	4.929	5.422	0.000	1.200	2.08	2.00	5.928	7.11	38.6	174.0	420.6
52.00		1.00	0.82	4.984	5.483	0.000	1.200	2.09	2.00	5.876	7.05	38.7	173.0	417.1
54.00		1.00	0.82	5.039	5.542	0.000	1.200	2.10	2.00	5.825	6.99	38.7	172.0	413.5
56.00		1.00	0.83	5.091	5.600	0.000	1.200	2.10	2.00	5.773	6.93	38.8	170.9	409.9
58.00		1.00	0.84	5.142	5.657	0.000	1.200	2.11	2.00	5.722	6.87	38.8	169.9	406.2
60.00		1.00	0.85	5.193	5.712	0.000	1.200	2.12	2.00	5.670	6.80	38.9	168.8	402.5
62.00		1.00	0.86	5.241	5.766	0.000	1.200	2.13	2.00	5.618	6.74	38.9	167.6	398.8
64.00		1.00	0.87	5.289	5.818	0.000	1.200	2.13	2.00	5.567	6.68	38.9	166.4	395.1
66.00		1.00	0.87	5.336	5.869	0.000	1.200	2.14	2.00	5.515	6.62	38.8	165.3	391.3
68.00		1.00	0.88	5.382	5.920	0.000	1.200	2.15	2.00	5.463	6.56	38.8	164.0	387.5
70.00		1.00	0.89	5.426	5.969	0.000	1.200	2.15	2.00	5.411	6.49	38.8	162.8	383.7
70.00	Bot - Section 3	1.00	0.89	5.426	5.969	0.000	1.200	2.15	0.00	0.001	0.00	0.0	0.0	0.1
72.00		1.00	0.90	5.470	6.017	0.000	1.200	2.16	2.00	5.444	6.53	39.3	164.3	560.9
73.50	Top - Section 2	1.00	0.90	5.502	6.053	0.000	1.200	2.16	1.50	4.050	4.86	29.4	122.6	417.1
74.00		1.00	0.90	5.513	6.064	0.000	1.200	2.16	0.50	1.342	1.61	9.8	40.7	84.6
76.00		1.00	0.91	5.555	6.111	0.000	1.200	2.17	2.00	5.341	6.41	39.2	161.8	336.0
78.00		1.00	0.92	5.597	6.156	0.000	1.200	2.18	2.00	5.289	6.35	39.1	160.4	332.6
80.00		1.00	0.92	5.637	6.201	0.000	1.200	2.18	2.00	5.236	6.28	39.0	159.1	329.2
82.00		1.00	0.93	5.677	6.245	0.000	1.200	2.19	2.00	5.184	6.22	38.8	157.7	325.8
84.00		1.00	0.94	5.716	6.288	0.000	1.200	2.19	2.00	5.132	6.16	38.7	156.4	322.4
86.00		1.00	0.94	5.755	6.331	0.000	1.200	2.20	2.00	5.079	6.10	38.6	155.0	318.9
88.00		1.00	0.95	5.793	6.372	0.000	1.200	2.20	2.00	5.027	6.03	38.4	153.6	315.4
90.00		1.00	0.95	5.830	6.413	0.000	1.200	2.21	2.00	4.975	5.97	38.3	152.1	311.9
92.00		1.00	0.96	5.867	6.454	0.000	1.200	2.21	2.00	4.922	5.91	38.1	150.7	308.4

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 Page: 23



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	34 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		

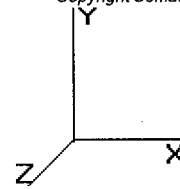
94.00		1.00	0.97	5.903	6.493	0.000	1.200	2.22	2.00	4.870	5.84	37.9	149.2	304.9
96.00		1.00	0.97	5.939	6.533	0.000	1.200	2.22	2.00	4.817	5.78	37.8	147.8	301.4
98.00		1.00	0.98	5.974	6.571	0.000	1.200	2.23	2.00	4.765	5.72	37.6	146.3	297.9
100.0		1.00	0.98	6.008	6.609	0.000	1.200	2.23	2.00	4.712	5.65	37.4	144.8	294.3
102.0		1.00	0.99	6.043	6.647	0.000	1.200	2.23	2.00	4.659	5.59	37.2	143.3	290.7
104.0		1.00	0.99	6.076	6.684	0.000	1.200	2.24	2.00	4.607	5.53	36.9	141.8	287.2
106.0		1.00	1.00	6.109	6.720	0.000	1.200	2.24	2.00	4.554	5.46	36.7	140.2	283.6
108.0		1.00	1.01	6.142	6.756	0.000	1.200	2.25	2.00	4.501	5.40	36.5	138.7	280.0
110.0		1.00	1.01	6.174	6.792	0.000	1.200	2.25	2.00	4.449	5.34	36.3	137.1	276.3
110.0	Top - Section 3	1.00	1.01	6.174	6.792	0.000	1.200	2.25	0.00	0.001	0.00	0.0	0.0	0.0
112.0		1.00	1.02	6.206	6.827	0.000	1.200	2.26	2.00	4.395	5.27	36.0	135.6	238.7
114.0		1.00	1.02	6.238	6.861	0.000	1.200	2.26	2.00	4.343	5.21	35.8	134.0	235.6
116.0		1.00	1.03	6.269	6.896	0.000	1.200	2.26	2.00	4.290	5.15	35.5	132.4	232.5
118.0	Appertunance(s)	1.00	1.03	6.299	6.929	0.000	1.200	2.27	2.00	4.238	5.09	35.2	130.8	229.3
120.0		1.00	1.04	6.330	6.963	0.000	1.200	2.27	2.00	4.185	5.02	35.0	129.2	226.2
122.0		1.00	1.04	6.360	6.996	0.000	1.200	2.27	2.00	4.132	4.96	34.7	127.6	223.0
124.0		1.00	1.05	6.389	7.028	0.000	1.200	2.28	2.00	4.079	4.90	34.4	126.0	219.9
126.0		1.00	1.05	6.419	7.060	0.000	1.200 *	2.28	2.00	4.026	4.83	34.1	124.3	216.7
128.0	Appertunance(s)	1.00	1.06	6.448	7.092	0.000	1.200 *	2.29	2.00	3.974	4.77	33.8	122.7	213.5
130.0		1.00	1.06	6.476	7.124	0.000	1.200	2.29	2.00	3.921	4.70	33.5	121.0	210.3
132.0		1.00	1.07	6.504	7.155	0.000	1.200	2.29	2.00	3.868	4.64	33.2	119.4	207.1
134.0		1.00	1.07	6.532	7.186	0.000	1.200	2.30	2.00	3.815	4.58	32.9	117.7	203.9
136.0		1.00	1.07	6.560	7.216	0.000	1.200	2.30	2.00	3.762	4.51	32.6	116.0	200.6
138.0	Appertunance(s)	1.00	1.08	6.588	7.246	0.000	1.200	2.30	2.00	3.709	4.45	32.3	114.3	197.4
140.0		1.00	1.08	6.615	7.276	0.000	1.200	2.31	2.00	3.656	4.39	31.9	112.6	194.2
142.0		1.00	1.09	6.642	7.306	0.000	1.200	2.31	2.00	3.603	4.32	31.6	110.9	190.9
144.0		1.00	1.09	6.668	7.335	0.000	1.200	2.31	2.00	3.550	4.26	31.2	109.2	187.7
146.0		1.00	1.10	6.695	7.364	0.000	1.200	2.32	2.00	3.497	4.20	30.9	107.5	184.4
148.0		1.00	1.10	6.721	7.393	0.000	1.200	2.32	2.00	3.444	4.13	30.6	105.8	181.1
150.0	Appertunance(s)	1.00	1.11	6.746	7.421	0.000	1.200	2.32	2.00	3.391	4.07	30.2	104.1	177.9
* = Cf Adjusted By Linear Load Ra Effect								Totals:	150.00			2,751.7	11,473.4	27,520.0

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 8/31/2009 9:18:47 AM
 Page: 24



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	34 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		

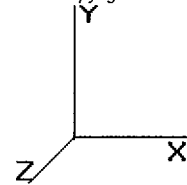
Discrete Appurtenance Segment Forces (Factored)

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)
30.00	Stand-off	1	4.260	4.686	1.00	1.00	3.58	0.000	0.000	16.80	0.00	0.00	74.62
30.00	GPS	1	4.270	4.697	1.00	1.00	1.08	0.000	0.250	5.05	0.00	1.26	0.99
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
34.00	GPS	1	4.424	4.866	1.00	1.00	1.08	0.000	0.250	5.26	0.00	1.32	1.00
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	Argus LLPX310R	3	6.299	6.929	0.60	0.80	9.87	0.000	0.000	68.43	0.00	0.00	554.96
118.0	DragonWave Horizon	2	6.299	6.929	0.40	0.80	0.62	0.000	0.000	4.29	0.00	0.00	113.94
118.0	DragonWave A-ANT-	2	6.299	6.929	1.00	1.00	12.70	0.000	0.000	88.03	0.00	0.00	263.62
118.0	NextNet BTS-2500	3	6.299	6.929	0.64	0.80	4.91	0.000	0.000	34.04	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	0.73	1.00	14.95	0.000	0.000	106.01	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	0.50	0.75	19.23	0.000	0.000	139.35	0.00	0.00	1,538.75
150.0	Diplexer	3	6.746	7.421	0.40	0.80	1.62	0.000	0.000	12.04	0.00	0.00	25.96
150.0	RCU	6	6.746	7.421	0.40	0.80	0.74	0.000	0.000	5.50	0.00	0.00	6.78
150.0	ADC CG-800DD	12	6.746	7.421	0.38	0.75	10.86	0.000	0.000	80.60	0.00	0.00	265.42
150.0	CSS DUO4-8670	9	6.769	7.446	0.62	0.75	40.11	0.000	1.750	298.62	0.00	522.59	2,576.82
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	Platform w/rails-Cal	1	6.746	7.421	1.00	1.00	50.20	0.000	0.000	372.54	0.00	0.00	3,135.41
										1,663.62			11,658.40

Pole : 302473
 Location : E HFR - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 25



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 34 Iterations

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

Linear Appurtenance Segment Forces (Factored)

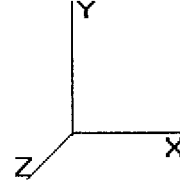
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
2.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.83	0.00	4.256	0.084	0.000	0.00	49.24
2.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.61	0.00	4.256	0.084	0.000	0.00	7.49
2.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.61	0.00	4.256	0.084	0.000	0.00	7.49
4.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.87	0.00	4.256	0.085	0.000	0.00	52.07
4.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.64	0.00	4.256	0.085	0.000	0.00	8.42
4.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.64	0.00	4.256	0.085	0.000	0.00	8.42
6.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.89	0.00	4.256	0.086	0.000	0.00	53.85
6.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.67	0.00	4.256	0.086	0.000	0.00	9.03
6.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.67	0.00	4.256	0.086	0.000	0.00	9.03
8.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.91	0.00	4.256	0.086	0.000	0.00	55.17
8.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.68	0.00	4.256	0.086	0.000	0.00	9.49
8.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.68	0.00	4.256	0.086	0.000	0.00	9.49
10.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.92	0.00	4.256	0.087	0.000	0.00	56.23
10.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.70	0.00	4.256	0.087	0.000	0.00	9.86
10.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.70	0.00	4.256	0.087	0.000	0.00	9.86
12.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.93	0.00	4.256	0.088	0.000	0.00	57.12
12.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.71	0.00	4.256	0.088	0.000	0.00	10.18
12.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.71	0.00	4.256	0.088	0.000	0.00	10.18
14.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.94	0.00	4.256	0.089	0.000	0.00	57.89
14.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.72	0.00	4.256	0.089	0.000	0.00	10.46
14.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.72	0.00	4.256	0.089	0.000	0.00	10.46
16.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.95	0.00	4.256	0.089	0.000	0.00	58.57
16.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.73	0.00	4.256	0.089	0.000	0.00	10.71
16.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.73	0.00	4.256	0.089	0.000	0.00	10.71
18.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.96	0.00	4.256	0.090	0.000	0.00	59.18
18.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.73	0.00	4.256	0.090	0.000	0.00	10.93
18.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.73	0.00	4.256	0.090	0.000	0.00	10.93
20.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.96	0.00	4.256	0.091	0.000	0.00	59.73
20.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.74	0.00	4.256	0.091	0.000	0.00	11.13
20.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.74	0.00	4.256	0.091	0.000	0.00	11.13
22.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.97	0.00	4.256	0.092	0.000	0.00	60.24
22.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.75	0.00	4.256	0.092	0.000	0.00	11.32
22.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.75	0.00	4.256	0.092	0.000	0.00	11.32
24.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.98	0.00	4.256	0.093	0.000	0.00	60.71
24.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.75	0.00	4.256	0.093	0.000	0.00	11.50
24.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.75	0.00	4.256	0.093	0.000	0.00	11.50
26.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.98	0.00	4.256	0.094	0.000	0.00	61.14
26.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.76	0.00	4.256	0.094	0.000	0.00	11.66
26.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.76	0.00	4.256	0.094	0.000	0.00	11.66
28.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.99	0.00	4.256	0.094	0.000	0.00	61.55
28.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.76	0.00	4.256	0.094	0.000	0.00	11.81
28.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.76	0.00	4.256	0.094	0.000	0.00	11.81
30.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.99	0.00	4.260	0.095	0.000	0.00	61.93
30.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.77	0.00	4.260	0.095	0.000	0.00	11.96
30.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.77	0.00	4.260	0.095	0.000	0.00	11.96
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.75	0.00	4.319	0.077	0.000	0.00	46.66
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.63	0.58	0.00	4.319	0.077	0.000	0.00	9.05
32.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.25	0.00	4.339	0.078	0.000	0.00	15.56
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.63	0.19	0.00	4.339	0.078	0.000	0.00	3.02
34.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.00	0.00	4.415	0.078	0.000	0.00	62.64
34.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.77	0.00	4.415	0.078	0.000	0.00	12.22

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 Page: 26



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 34 Iterations

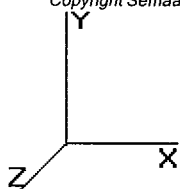
Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20 Ice Importance Factor : 1.00
 Wind Load Factor : 1.00

35.67	(6) 1 5/8" Coax	Yes	1.67	0.000	1.98	0.84	0.00	4.475	0.060	0.000	0.00	52.43
36.00	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.17	0.00	4.487	0.059	0.000	0.00	10.48
38.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.01	0.00	4.557	0.059	0.000	0.00	63.27
40.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.01	0.00	4.625	0.060	0.000	0.00	63.57
42.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.01	0.00	4.689	0.061	0.000	0.00	63.85
44.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.02	0.00	4.752	0.061	0.000	0.00	64.12
46.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.02	0.00	4.813	0.062	0.000	0.00	64.39
48.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.02	0.00	4.872	0.062	0.000	0.00	64.64
50.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.02	0.00	4.929	0.063	0.000	0.00	64.88
52.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.03	0.00	4.984	0.064	0.000	0.00	65.12
54.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.03	0.00	5.039	0.064	0.000	0.00	65.34
56.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.03	0.00	5.091	0.065	0.000	0.00	65.56
58.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.04	0.00	5.142	0.066	0.000	0.00	65.78
60.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.04	0.00	5.193	0.067	0.000	0.00	65.98
62.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.04	0.00	5.241	0.067	0.000	0.00	66.19
64.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.04	0.00	5.289	0.068	0.000	0.00	66.38
66.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.04	0.00	5.336	0.069	0.000	0.00	66.57
68.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.05	0.00	5.382	0.070	0.000	0.00	66.76
70.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.05	0.00	5.426	0.070	0.000	0.00	66.94
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	1.98	0.00	0.00	5.426	0.071	0.000	0.00	0.01
72.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.05	0.00	5.470	0.071	0.000	0.00	67.10
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	5.502	0.072	0.000	0.00	50.45
74.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.26	0.00	5.513	0.071	0.000	0.00	16.81
76.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.05	0.00	5.555	0.071	0.000	0.00	67.46
78.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.06	0.00	5.597	0.072	0.000	0.00	67.62
80.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.06	0.00	5.637	0.073	0.000	0.00	67.78
82.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.06	0.00	5.677	0.074	0.000	0.00	67.94
84.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.06	0.00	5.716	0.075	0.000	0.00	68.09
86.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.06	0.00	5.755	0.076	0.000	0.00	68.25
88.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.07	0.00	5.793	0.077	0.000	0.00	68.39
90.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.07	0.00	5.830	0.078	0.000	0.00	68.54
92.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.07	0.00	5.867	0.079	0.000	0.00	68.68
94.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.07	0.00	5.903	0.080	0.000	0.00	68.82
96.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.07	0.00	5.939	0.081	0.000	0.00	68.96
98.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.07	0.00	5.974	0.082	0.000	0.00	69.09
100.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.07	0.00	6.008	0.083	0.000	0.00	69.23
102.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.08	0.00	6.043	0.084	0.000	0.00	69.36
104.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.08	0.00	6.076	0.086	0.000	0.00	69.48
106.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.08	0.00	6.109	0.087	0.000	0.00	69.61
108.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.08	0.00	6.142	0.088	0.000	0.00	69.73
110.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.08	0.00	6.174	0.089	0.000	0.00	69.86
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	1.98	0.00	0.00	6.174	0.090	0.000	0.00	0.01
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.08	0.00	6.206	0.091	0.000	0.00	69.96
114.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.08	0.00	6.238	0.092	0.000	0.00	70.09
116.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.269	0.093	0.000	0.00	70.21
118.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.299	0.095	0.000	0.00	70.33
120.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.330	0.096	0.000	0.00	70.44
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.360	0.098	0.000	0.00	70.55
124.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.389	0.099	0.000	0.00	70.66
126.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.419	0.101	1.003	0.00	70.77
128.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	1.09	0.00	6.448	0.103	1.008	0.00	70.88
Totals:											0.00	4,503.07

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 8/31/2009 9:18:48 AM
 Page: 27



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 34 Iterations

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

Dead Load Factor : 1.20 Ice Importance Factor : 1.00

Wind Load Factor : 1.00

Applied Segment Forces Summary

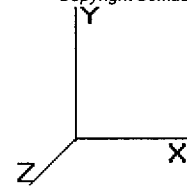
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
2.00	38.91	626.78	0.00	0.00
4.00	38.81	638.35	0.00	0.00
6.00	38.63	643.82	0.00	0.00
8.00	38.42	646.64	0.00	0.00
10.00	38.19	647.93	0.00	0.00
12.00	37.95	648.22	0.00	0.00
14.00	37.70	647.80	0.00	0.00
16.00	37.44	646.85	0.00	0.00
18.00	37.18	645.48	0.00	0.00
20.00	36.91	643.78	0.00	0.00
22.00	36.64	641.81	0.00	0.00
24.00	36.37	639.60	0.00	0.00
26.00	36.09	637.19	0.00	0.00
28.00	35.82	634.62	0.00	0.00
30.00	57.42	707.50	0.00	1.26
31.50	26.87	463.08	0.00	0.00
32.00	9.11	221.82	0.00	0.00
34.00	59.68	960.45	0.00	1.32
35.67	30.96	722.42	0.00	0.00
36.00	6.18	92.29	0.00	0.00
38.00	37.50	552.50	0.00	0.00
40.00	37.74	549.53	0.00	0.00
42.00	37.96	546.50	0.00	0.00
44.00	38.15	543.40	0.00	0.00
46.00	38.31	540.24	0.00	0.00
48.00	38.45	537.03	0.00	0.00
50.00	38.57	533.76	0.00	0.00
52.00	38.66	530.45	0.00	0.00
54.00	38.74	527.09	0.00	0.00
56.00	38.80	523.69	0.00	0.00
58.00	38.84	520.24	0.00	0.00
60.00	38.86	516.77	0.00	0.00
62.00	38.87	513.25	0.00	0.00
64.00	38.86	509.71	0.00	0.00
66.00	38.84	506.13	0.00	0.00
68.00	38.81	502.52	0.00	0.00
70.00	38.76	498.88	0.00	0.00
70.00	0.01	0.08	0.00	0.00
72.00	39.31	676.26	0.00	0.00
73.50	29.42	503.73	0.00	0.00
74.00	9.77	113.45	0.00	0.00
76.00	39.16	451.70	0.00	0.00
78.00	39.07	448.48	0.00	0.00
80.00	38.96	445.24	0.00	0.00
82.00	38.85	441.99	0.00	0.00
84.00	38.72	438.70	0.00	0.00
86.00	38.59	435.40	0.00	0.00
88.00	38.44	432.08	0.00	0.00
90.00	38.28	428.74	0.00	0.00

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 8/31/2009 9:18:48 AM
 Page: 28



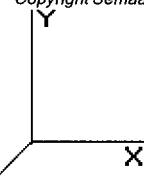
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	34 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

92.00	38.12	425.39	0.00	0.00
94.00	37.94	422.01	0.00	0.00
96.00	37.76	418.62	0.00	0.00
98.00	37.57	415.22	0.00	0.00
100.0	37.37	411.79	0.00	0.00
102.0	37.16	408.36	0.00	0.00
104.0	36.95	404.90	0.00	0.00
106.0	36.73	401.44	0.00	0.00
108.0	36.50	397.96	0.00	0.00
110.0	36.26	394.46	0.00	0.00
110.0	0.01	0.07	0.00	0.00
112.0	36.01	356.92	0.00	0.00
114.0	35.76	353.98	0.00	0.00
116.0	35.50	350.96	0.00	0.00
118.0	353.16	1,731.34	0.00	0.00
120.0	34.97	343.52	0.00	0.00
122.0	34.69	340.47	0.00	0.00
124.0	34.40	337.41	0.00	0.00
126.0	34.11	334.34	0.00	0.00
128.0	198.76	1,531.32	0.00	0.00
130.0	33.52	257.18	0.00	0.00
132.0	33.21	253.98	0.00	0.00
134.0	32.89	250.76	0.00	0.00
136.0	32.58	247.54	0.00	0.00
138.0	373.64	3,099.54	0.00	0.00
140.0	31.92	205.65	0.00	0.00
142.0	31.59	202.40	0.00	0.00
144.0	31.25	199.15	0.00	0.00
146.0	30.90	195.88	0.00	0.00
148.0	30.55	192.62	0.00	0.00
150.0	824.95	6,257.31	0.00	573.50
Totals:	4,415.28	47,066.48	0.00	576.08

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

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 8/31/2009 9:18:48 AM
 Page: 29



Base Elev : 0.000 (ft)

Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.00 in Radial Ice 34 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

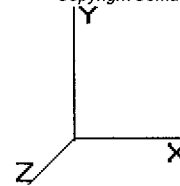
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-47.06	-4.43	0.00	-515.19	0.00	515.19	2,613.99	1,306.99	3,984.35	1,967.72	0.00	0.00	0.280
2.00	-46.44	-4.42	0.00	-506.33	0.00	506.33	2,591.85	1,295.92	3,916.81	1,934.37	0.01	-0.04	0.280
4.00	-45.79	-4.41	0.00	-497.49	0.00	497.49	2,569.71	1,284.86	3,849.85	1,901.30	0.03	-0.07	0.279
6.00	-45.15	-4.40	0.00	-488.67	0.00	488.67	2,547.57	1,273.79	3,783.47	1,868.51	0.07	-0.11	0.279
8.00	-44.50	-4.39	0.00	-479.87	0.00	479.87	2,525.43	1,262.72	3,717.66	1,836.01	0.13	-0.15	0.279
10.00	-43.85	-4.38	0.00	-471.08	0.00	471.08	2,503.30	1,251.65	3,652.43	1,803.80	0.20	-0.19	0.279
12.00	-43.20	-4.37	0.00	-462.32	0.00	462.32	2,481.16	1,240.58	3,587.78	1,771.87	0.29	-0.23	0.278
14.00	-42.55	-4.36	0.00	-453.59	0.00	453.59	2,459.02	1,229.51	3,523.71	1,740.23	0.39	-0.27	0.278
16.00	-41.90	-4.35	0.00	-444.87	0.00	444.87	2,436.88	1,218.44	3,460.21	1,708.87	0.51	-0.31	0.278
18.00	-41.25	-4.33	0.00	-436.18	0.00	436.18	2,414.74	1,207.37	3,397.29	1,677.80	0.65	-0.35	0.277
20.00	-40.60	-4.32	0.00	-427.51	0.00	427.51	2,392.60	1,196.30	3,334.95	1,647.01	0.80	-0.39	0.277
22.00	-39.96	-4.31	0.00	-418.87	0.00	418.87	2,370.47	1,185.23	3,273.19	1,616.50	0.97	-0.43	0.276
24.00	-39.31	-4.29	0.00	-410.25	0.00	410.25	2,348.33	1,174.16	3,212.00	1,586.29	1.16	-0.47	0.275
26.00	-38.67	-4.28	0.00	-401.66	0.00	401.66	2,326.19	1,163.10	3,151.39	1,556.35	1.36	-0.51	0.275
28.00	-38.04	-4.27	0.00	-393.10	0.00	393.10	2,304.05	1,152.03	3,091.36	1,526.71	1.58	-0.55	0.274
30.00	-37.33	-4.23	0.00	-384.57	0.00	384.57	2,281.91	1,140.96	3,031.90	1,497.34	1.82	-0.59	0.273
31.50	-36.86	-4.21	0.00	-378.23	0.00	378.23	2,265.31	1,132.65	2,987.68	1,475.50	2.01	-0.62	0.273
32.00	-36.64	-4.21	0.00	-376.12	0.00	376.12	2,259.78	1,129.89	2,973.03	1,468.27	2.08	-0.63	0.272
34.00	-35.68	-4.17	0.00	-367.70	0.00	367.70	2,237.64	1,118.82	2,914.73	1,439.47	2.35	-0.67	0.271
35.67	-34.95	-4.14	0.00	-360.75	0.00	360.75	1,889.79	944.90	2,499.95	1,234.63	2.59	-0.71	0.311
36.00	-34.86	-4.15	0.00	-359.37	0.00	359.37	1,886.72	943.36	2,491.79	1,230.60	2.64	-0.72	0.311
38.00	-34.30	-4.13	0.00	-351.08	0.00	351.08	1,868.27	934.14	2,443.07	1,206.54	2.95	-0.76	0.309
40.00	-33.75	-4.12	0.00	-342.81	0.00	342.81	1,849.82	924.91	2,394.82	1,182.71	3.28	-0.81	0.308
42.00	-33.20	-4.10	0.00	-334.58	0.00	334.58	1,831.37	915.69	2,347.06	1,159.13	3.63	-0.86	0.307
44.00	-32.66	-4.08	0.00	-326.38	0.00	326.38	1,812.93	906.46	2,299.78	1,135.77	4.00	-0.91	0.305
46.00	-32.11	-4.06	0.00	-318.22	0.00	318.22	1,794.48	897.24	2,252.98	1,112.66	4.39	-0.96	0.304
48.00	-31.57	-4.04	0.00	-310.10	0.00	310.10	1,776.03	888.01	2,206.66	1,089.79	4.80	-1.01	0.302
50.00	-31.04	-4.02	0.00	-302.02	0.00	302.02	1,757.58	878.79	2,160.82	1,067.15	5.24	-1.06	0.301
52.00	-30.50	-4.00	0.00	-293.99	0.00	293.99	1,739.13	869.57	2,115.47	1,044.75	5.69	-1.11	0.299
54.00	-29.97	-3.97	0.00	-286.00	0.00	286.00	1,720.68	860.34	2,070.59	1,022.59	6.16	-1.16	0.297
56.00	-29.45	-3.95	0.00	-278.05	0.00	278.05	1,702.23	851.12	2,026.20	1,000.66	6.66	-1.21	0.295
58.00	-28.92	-3.92	0.00	-270.15	0.00	270.15	1,683.79	841.89	1,982.28	978.98	7.17	-1.26	0.293
60.00	-28.41	-3.90	0.00	-262.30	0.00	262.30	1,665.34	832.67	1,938.85	957.53	7.71	-1.31	0.291
62.00	-27.89	-3.87	0.00	-254.51	0.00	254.51	1,646.89	823.44	1,895.90	936.31	8.27	-1.36	0.289
64.00	-27.38	-3.85	0.00	-246.76	0.00	246.76	1,628.44	814.22	1,853.43	915.34	8.85	-1.41	0.286
66.00	-26.87	-3.82	0.00	-239.07	0.00	239.07	1,609.99	805.00	1,811.44	894.60	9.45	-1.46	0.284
68.00	-26.37	-3.79	0.00	-231.43	0.00	231.43	1,591.54	795.77	1,769.93	874.10	10.07	-1.51	0.281
70.00	-25.87	-3.75	0.00	-223.85	0.00	223.85	1,573.10	786.55	1,728.91	853.84	10.71	-1.56	0.279
70.00	-25.86	-3.76	0.00	-223.85	0.00	223.85	1,573.09	786.55	1,728.90	853.84	10.71	-1.56	0.279
72.00	-25.19	-3.72	0.00	-216.33	0.00	216.33	1,554.65	777.32	1,688.36	833.82	11.38	-1.61	0.276
73.50	-24.68	-3.69	0.00	-210.74	0.00	210.74	1,259.14	629.57	1,387.79	685.38	11.89	-1.65	0.327
74.00	-24.57	-3.69	0.00	-208.90	0.00	208.90	1,255.45	627.72	1,379.64	681.35	12.06	-1.66	0.326
76.00	-24.11	-3.67	0.00	-201.51	0.00	201.51	1,240.69	620.34	1,347.24	665.35	12.77	-1.72	0.322
78.00	-23.66	-3.64	0.00	-194.18	0.00	194.18	1,225.93	612.97	1,315.23	649.54	13.51	-1.78	0.318
80.00	-23.21	-3.61	0.00	-186.91	0.00	186.91	1,211.17	605.59	1,283.60	633.92	14.27	-1.84	0.314
82.00	-22.77	-3.58	0.00	-179.69	0.00	179.69	1,196.41	598.21	1,252.36	618.50	15.05	-1.90	0.310
84.00	-22.33	-3.55	0.00	-172.53	0.00	172.53	1,181.65	590.83	1,221.51	603.26	15.86	-1.96	0.305
86.00	-21.89	-3.52	0.00	-165.44	0.00	165.44	1,166.90	583.45	1,191.04	588.21	16.69	-2.02	0.300
88.00	-21.46	-3.49	0.00	-158.40	0.00	158.40	1,152.14	576.07	1,160.95	573.35	17.55	-2.08	0.295
90.00	-21.03	-3.45	0.00	-151.43	0.00	151.43	1,137.38	568.69	1,131.25	558.68	18.44	-2.14	0.290
92.00	-20.60	-3.42	0.00	-144.52	0.00	144.52	1,122.62	561.31	1,101.93	544.20	19.34	-2.20	0.284

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 Page: 30



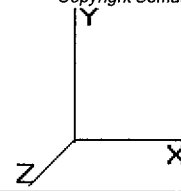
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	34 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

94.00	-20.18	-3.39	0.00	-137.68	0.00	137.68	1,107.86	553.93	1,073.00	529.91	20.28	-2.25	0.278
96.00	-19.76	-3.35	0.00	-130.91	0.00	130.91	1,093.10	546.55	1,044.45	515.82	21.23	-2.31	0.272
98.00	-19.34	-3.32	0.00	-124.21	0.00	124.21	1,078.34	539.17	1,016.29	501.91	22.21	-2.37	0.265
100.00	-18.93	-3.28	0.00	-117.58	0.00	117.58	1,063.58	531.79	988.52	488.19	23.22	-2.42	0.259
102.00	-18.52	-3.24	0.00	-111.02	0.00	111.02	1,048.83	524.41	961.12	474.66	24.24	-2.48	0.252
104.00	-18.11	-3.20	0.00	-104.53	0.00	104.53	1,034.07	517.03	934.12	461.32	25.29	-2.53	0.244
106.00	-17.71	-3.17	0.00	-98.12	0.00	98.12	1,019.31	509.65	907.49	448.18	26.37	-2.59	0.236
108.00	-17.31	-3.13	0.00	-91.79	0.00	91.79	1,004.55	502.27	881.26	435.22	27.46	-2.64	0.228
110.00	-16.92	-3.08	0.00	-85.54	0.00	85.54	989.79	494.89	855.40	422.45	28.57	-2.69	0.220
110.00	-16.91	-3.09	0.00	-85.54	0.00	85.54	989.79	494.89	855.40	422.45	28.57	-2.69	0.220
110.00	-16.91	-3.09	0.00	-85.54	0.00	85.54	989.79	494.89	855.40	422.45	28.57	-2.69	0.220
112.00	-16.56	-3.05	0.00	-79.36	0.00	79.36	733.48	366.74	628.11	310.20	29.71	-2.74	0.278
114.00	-16.20	-3.02	0.00	-73.26	0.00	73.26	722.41	361.21	609.21	300.87	30.87	-2.80	0.266
116.00	-15.85	-2.98	0.00	-67.23	0.00	67.23	711.34	355.67	590.60	291.67	32.06	-2.86	0.253
118.00	-14.14	-2.55	0.00	-61.27	0.00	61.27	700.27	350.14	572.28	282.63	33.27	-2.92	0.237
120.00	-13.79	-2.51	0.00	-56.16	0.00	56.16	689.20	344.60	554.25	273.72	34.50	-2.97	0.225
122.00	-13.45	-2.47	0.00	-51.14	0.00	51.14	678.14	339.07	536.50	264.96	35.76	-3.03	0.213
124.00	-13.12	-2.43	0.00	-46.19	0.00	46.19	667.07	333.53	519.05	256.34	37.04	-3.08	0.200
126.00	-12.78	-2.39	0.00	-41.32	0.00	41.32	656.00	328.00	501.88	247.86	38.34	-3.13	0.186
128.00	-11.26	-2.12	0.00	-36.54	0.00	36.54	644.93	322.46	485.00	239.53	39.65	-3.17	0.170
130.00	-11.01	-2.08	0.00	-32.31	0.00	32.31	633.86	316.93	468.41	231.33	40.99	-3.21	0.157
132.00	-10.75	-2.04	0.00	-28.15	0.00	28.15	622.79	311.39	452.11	223.28	42.34	-3.25	0.143
134.00	-10.50	-2.00	0.00	-24.08	0.00	24.08	611.72	305.86	436.10	215.38	43.71	-3.29	0.129
136.00	-10.26	-1.95	0.00	-20.09	0.00	20.09	600.65	300.33	420.38	207.61	45.10	-3.32	0.114
138.00	-7.18	-1.40	0.00	-16.18	0.00	16.18	589.58	294.79	404.95	199.99	46.49	-3.35	0.093
140.00	-6.98	-1.36	0.00	-13.38	0.00	13.38	578.51	289.26	389.80	192.51	47.90	-3.37	0.082
142.00	-6.78	-1.32	0.00	-10.65	0.00	10.65	567.44	283.72	374.94	185.17	49.31	-3.39	0.069
144.00	-6.58	-1.28	0.00	-8.01	0.00	8.01	556.38	278.19	360.38	177.98	50.74	-3.41	0.057
146.00	-6.39	-1.24	0.00	-5.45	0.00	5.45	545.31	272.65	346.10	170.92	52.16	-3.42	0.044
148.00	-6.20	-1.20	0.00	-2.97	0.00	2.97	534.24	267.12	332.11	164.01	53.60	-3.43	0.030
150.00	0.00	-0.82	0.00	-0.57	0.00	0.57	523.17	261.58	318.40	157.25	55.03	-3.43	0.004

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



Load Case: 1.0D + 1.0W	60.00 mph Serviceability	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

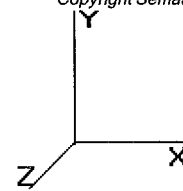
Shaft Segment Forces (Factored)

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	161.88	1.000	0.00	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.70	6.129	6.742	160.53	1.000	0.00	2.00	6.423	6.42	43.3	0.0	302.8
4.00		1.00	0.70	6.129	6.742	159.17	1.000	0.00	2.00	6.369	6.37	42.9	0.0	300.2
6.00		1.00	0.70	6.129	6.742	157.81	1.000	0.00	2.00	6.315	6.31	42.6	0.0	297.7
8.00		1.00	0.70	6.129	6.742	156.45	1.000	0.00	2.00	6.261	6.26	42.2	0.0	295.1
10.00		1.00	0.70	6.129	6.742	155.10	1.000	0.00	2.00	6.206	6.21	41.8	0.0	292.5
12.00		1.00	0.70	6.129	6.742	153.74	1.000	0.00	2.00	6.152	6.15	41.5	0.0	289.9
14.00		1.00	0.70	6.129	6.742	152.38	1.000	0.00	2.00	6.098	6.10	41.1	0.0	287.4
16.00		1.00	0.70	6.129	6.742	151.03	1.000	0.00	2.00	6.044	6.04	40.7	0.0	284.8
18.00		1.00	0.70	6.129	6.742	149.67	1.000	0.00	2.00	5.990	5.99	40.4	0.0	282.2
20.00		1.00	0.70	6.129	6.742	148.31	1.000	0.00	2.00	5.936	5.94	40.0	0.0	279.6
22.00		1.00	0.70	6.129	6.742	146.95	1.000	0.00	2.00	5.882	5.88	39.7	0.0	277.1
24.00		1.00	0.70	6.129	6.742	145.60	1.000	0.00	2.00	5.828	5.83	39.3	0.0	274.5
26.00		1.00	0.70	6.129	6.742	144.24	1.000	0.00	2.00	5.774	5.77	38.9	0.0	271.9
28.00		1.00	0.70	6.129	6.742	142.88	1.000	0.00	2.00	5.720	5.72	38.6	0.0	269.3
30.00	Appertunance(s)	1.00	0.70	6.134	6.747	141.58	1.000	0.00	2.00	5.666	5.67	38.2	0.0	266.8
31.50	Bot - Section 2	1.00	0.71	6.220	6.842	141.55	1.000	0.00	1.50	4.215	4.21	28.8	0.0	198.4
32.00		1.00	0.71	6.248	6.873	141.52	1.000	0.00	0.50	1.424	1.42	9.8	0.0	121.7
34.00	Appertunance(s)	1.00	0.72	6.357	6.993	141.37	1.000	0.00	2.00	5.665	5.67	39.6	0.0	484.3
35.67	Top - Section 1	1.00	0.73	6.445	7.089	141.18	1.000	0.00	1.67	4.681	4.68	33.2	0.0	400.1
36.00		1.00	0.73	6.462	7.108	143.92	1.000	0.00	0.33	0.931	0.93	6.6	0.0	36.6
38.00		1.00	0.75	6.562	7.219	143.63	1.000	0.00	2.00	5.557	5.56	40.1	0.0	218.4
40.00		1.00	0.76	6.659	7.325	143.27	1.000	0.00	2.00	5.503	5.50	40.3	0.0	216.3
42.00		1.00	0.77	6.753	7.428	142.85	1.000	0.00	2.00	5.449	5.45	40.5	0.0	214.1
44.00		1.00	0.78	6.843	7.527	142.37	1.000	0.00	2.00	5.395	5.39	40.6	0.0	212.0
46.00		1.00	0.79	6.931	7.624	141.83	1.000	0.00	2.00	5.341	5.34	40.7	0.0	209.8
48.00		1.00	0.80	7.015	7.717	141.24	1.000	0.00	2.00	5.287	5.29	40.8	0.0	207.7
50.00		1.00	0.81	7.098	7.807	140.61	1.000	0.00	2.00	5.233	5.23	40.9	0.0	205.5
52.00		1.00	0.82	7.178	7.895	139.93	1.000	0.00	2.00	5.179	5.18	40.9	0.0	203.4
54.00		1.00	0.82	7.255	7.981	139.21	1.000	0.00	2.00	5.125	5.12	40.9	0.0	201.2
56.00		1.00	0.83	7.331	8.064	138.45	1.000	0.00	2.00	5.071	5.07	40.9	0.0	199.1
58.00		1.00	0.84	7.405	8.146	137.65	1.000	0.00	2.00	5.016	5.02	40.9	0.0	197.0
60.00		1.00	0.85	7.477	8.225	136.82	1.000	0.00	2.00	4.962	4.96	40.8	0.0	194.8
62.00		1.00	0.86	7.548	8.302	135.96	1.000	0.00	2.00	4.908	4.91	40.8	0.0	192.7
64.00		1.00	0.87	7.616	8.378	135.06	1.000	0.00	2.00	4.854	4.85	40.7	0.0	190.5
66.00		1.00	0.87	7.684	8.452	134.14	1.000	0.00	2.00	4.800	4.80	40.6	0.0	188.4
68.00		1.00	0.88	7.749	8.524	133.19	1.000	0.00	2.00	4.746	4.75	40.5	0.0	186.2
70.00		1.00	0.89	7.814	8.595	132.21	1.000	0.00	2.00	4.692	4.69	40.3	0.0	184.1
70.00	Bot - Section 3	1.00	0.89	7.814	8.595	132.21	1.000	0.00	0.00	0.001	0.00	0.0	0.0	0.0
72.00		1.00	0.90	7.877	8.665	131.20	1.000	0.00	2.00	4.723	4.72	40.9	0.0	330.5
73.50	Top - Section 2	1.00	0.90	7.924	8.716	130.43	1.000	0.00	1.50	3.508	3.51	30.6	0.0	245.4
74.00		1.00	0.90	7.939	8.733	132.64	1.000	0.00	0.50	1.162	1.16	10.1	0.0	36.5
76.00		1.00	0.91	8.000	8.800	131.59	1.000	0.00	2.00	4.616	4.62	40.6	0.0	145.2
78.00		1.00	0.92	8.059	8.865	130.52	1.000	0.00	2.00	4.562	4.56	40.4	0.0	143.5
80.00		1.00	0.92	8.118	8.930	129.43	1.000	0.00	2.00	4.508	4.51	40.3	0.0	141.8
82.00		1.00	0.93	8.175	8.993	128.32	1.000	0.00	2.00	4.454	4.45	40.1	0.0	140.0
84.00		1.00	0.94	8.232	9.055	127.19	1.000	0.00	2.00	4.400	4.40	39.8	0.0	138.3
86.00		1.00	0.94	8.287	9.116	126.04	1.000	0.00	2.00	4.346	4.35	39.6	0.0	136.6
88.00		1.00	0.95	8.342	9.176	124.88	1.000	0.00	2.00	4.292	4.29	39.4	0.0	134.9
90.00		1.00	0.95	8.396	9.235	123.69	1.000	0.00	2.00	4.238	4.24	39.1	0.0	133.2
92.00		1.00	0.96	8.448	9.293	122.48	1.000	0.00	2.00	4.183	4.18	38.9	0.0	131.5

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 32



Load Case: 1.0D + 1.0W	60.00 mph Serviceability	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

94.00		1.00	0.97	8.501	9.351	121.26	1.000	0.00	2.00	4.129	4.13	38.6	0.0	129.7
96.00		1.00	0.97	8.552	9.407	120.02	1.000	0.00	2.00	4.075	4.08	38.3	0.0	128.0
98.00		1.00	0.98	8.602	9.463	118.77	1.000	0.00	2.00	4.021	4.02	38.1	0.0	126.3
100.0		1.00	0.98	8.652	9.517	117.50	1.000	0.00	2.00	3.967	3.97	37.8	0.0	124.6
102.0		1.00	0.99	8.701	9.571	116.22	1.000	0.00	2.00	3.913	3.91	37.5	0.0	122.9
104.0		1.00	0.99	8.750	9.625	114.92	1.000	0.00	2.00	3.859	3.86	37.1	0.0	121.2
106.0		1.00	1.00	8.797	9.677	113.60	1.000	0.00	2.00	3.805	3.80	36.8	0.0	119.4
108.0		1.00	1.01	8.845	9.729	112.28	1.000	0.00	2.00	3.751	3.75	36.5	0.0	117.7
110.0		1.00	1.01	8.891	9.780	110.94	1.000	0.00	2.00	3.697	3.70	36.2	0.0	116.0
110.0	Top - Section 3	1.00	1.01	8.891	9.780	110.94	1.000	0.00	0.00	0.001	0.00	0.0	0.0	0.0
112.0		1.00	1.02	8.937	9.831	109.58	1.000	0.00	2.00	3.642	3.64	35.8	0.0	86.0
114.0		1.00	1.02	8.982	9.880	108.22	1.000	0.00	2.00	3.589	3.59	35.5	0.0	84.7
116.0		1.00	1.03	9.027	9.930	106.84	1.000	0.00	2.00	3.535	3.53	35.1	0.0	83.4
118.0	Appertunance(s)	1.00	1.03	9.071	9.978	105.45	1.000	0.00	2.00	3.480	3.48	34.7	0.0	82.1
120.0		1.00	1.04	9.115	10.02	104.05	1.000	0.00	2.00	3.426	3.43	34.4	0.0	80.8
122.0		1.00	1.04	9.158	10.07	102.64	1.000	0.00	2.00	3.372	3.37	34.0	0.0	79.5
124.0		1.00	1.05	9.201	10.12	101.21	1.000	0.00	2.00	3.318	3.32	33.6	0.0	78.2
126.0		1.00	1.05	9.243	10.16	99.780	1.000 *	0.00	2.00	3.264	3.26	33.2	0.0	77.0
128.0	Appertunance(s)	1.00	1.06	9.284	10.21	98.335	1.000 *	0.00	2.00	3.210	3.21	32.8	0.0	75.7
130.0		1.00	1.06	9.326	10.25	96.878	1.000	0.00	2.00	3.156	3.16	32.4	0.0	74.4
132.0		1.00	1.07	9.366	10.30	95.412	1.000	0.00	2.00	3.102	3.10	32.0	0.0	73.1
134.0		1.00	1.07	9.407	10.34	93.936	1.000	0.00	2.00	3.048	3.05	31.5	0.0	71.8
136.0		1.00	1.07	9.447	10.39	92.449	1.000	0.00	2.00	2.994	2.99	31.1	0.0	70.5
138.0	Appertunance(s)	1.00	1.08	9.486	10.43	90.954	1.000	0.00	2.00	2.940	2.94	30.7	0.0	69.2
140.0		1.00	1.08	9.525	10.47	89.449	1.000	0.00	2.00	2.886	2.89	30.2	0.0	67.9
142.0		1.00	1.09	9.564	10.52	87.935	1.000	0.00	2.00	2.832	2.83	29.8	0.0	66.7
144.0		1.00	1.09	9.602	10.56	86.412	1.000	0.00	2.00	2.777	2.78	29.3	0.0	65.4
146.0		1.00	1.10	9.640	10.60	84.880	1.000	0.00	2.00	2.723	2.72	28.9	0.0	64.1
148.0		1.00	1.10	9.678	10.64	83.339	1.000	0.00	2.00	2.669	2.67	28.4	0.0	62.8
150.0	Appertunance(s)	1.00	1.11	9.715	10.68	81.790	1.000	0.00	2.00	2.615	2.62	27.9	0.0	61.5
* = Cf Adjusted By Linear Load Ra Effect								Totals:	150.00			2,838.2	0.0	13,372.1

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

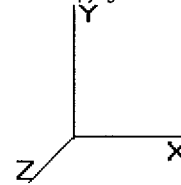
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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Page: 33



Load Case: 1.0D + 1.0W	60.00 mph Serviceability	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

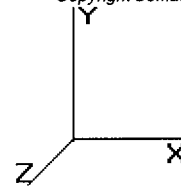
Discrete Appurtenance Segment Forces (Factored)

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)
30.00	Stand-off	1	6.134	6.747	1.00	1.00	2.00	0.000	0.000	13.49	0.00	0.00	50.00
30.00	GPS	1	6.148	6.763	1.00	1.00	0.60	0.000	0.250	4.06	0.00	1.01	1.50
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
34.00	GPS	1	6.370	7.008	1.00	1.00	0.60	0.000	0.250	4.20	0.00	1.05	1.50
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	Argus LLPX310R	3	9.071	9.978	0.60	0.80	8.69	0.000	0.000	86.75	0.00	0.00	85.80
118.0	DragonWave Horizon	2	9.071	9.978	0.40	0.80	0.34	0.000	0.000	3.43	0.00	0.00	21.20
118.0	DragonWave A-ANT-	2	9.071	9.978	1.00	1.00	9.38	0.000	0.000	93.60	0.00	0.00	54.20
118.0	NextNet BTS-2500	3	9.071	9.978	0.64	0.80	4.07	0.000	0.000	40.62	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	0.73	1.00	11.30	0.000	0.000	115.41	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	0.50	0.75	9.05	0.000	0.000	94.38	0.00	0.00	750.00
150.0	Diplexer	3	9.715	10.686	0.40	0.80	0.84	0.000	0.000	8.98	0.00	0.00	15.00
150.0	RCU	6	9.715	10.686	0.40	0.80	0.38	0.000	0.000	4.10	0.00	0.00	6.00
150.0	ADC CG-800DD	12	9.715	10.686	0.38	0.75	5.63	0.000	0.000	60.11	0.00	0.00	166.80
150.0	CSS DUO4-8670	9	9.747	10.722	0.62	0.75	36.48	0.000	1.750	391.09	0.00	684.40	346.50
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	Platform w/rails-Cal	1	9.715	10.686	1.00	1.00	26.00	0.000	0.000	277.84	0.00	0.00	1,800.00
										1,562.90			3,897.70

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



Load Case: 1.0D + 1.0W

60.00 mph Serviceability

33 Iterations

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

Wind Importance Factor : 1.00

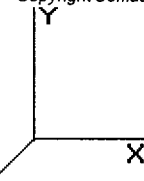
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	F X (lb)	Dead Load (lb)
2.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.084	0.000	0.00	9.84
2.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.084	0.000	0.00	0.30
2.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.084	0.000	0.00	0.30
4.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.085	0.000	0.00	9.84
4.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.085	0.000	0.00	0.30
4.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.085	0.000	0.00	0.30
6.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.086	0.000	0.00	9.84
6.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.086	0.000	0.00	0.30
6.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.086	0.000	0.00	0.30
8.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.086	0.000	0.00	9.84
8.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.086	0.000	0.00	0.30
8.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.086	0.000	0.00	0.30
10.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.087	0.000	0.00	9.84
10.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.087	0.000	0.00	0.30
10.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.087	0.000	0.00	0.30
12.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.088	0.000	0.00	9.84
12.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.088	0.000	0.00	0.30
12.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.088	0.000	0.00	0.30
14.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.089	0.000	0.00	9.84
14.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.089	0.000	0.00	0.30
14.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.089	0.000	0.00	0.30
16.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.089	0.000	0.00	9.84
16.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.089	0.000	0.00	0.30
16.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.089	0.000	0.00	0.30
18.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.090	0.000	0.00	9.84
18.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.090	0.000	0.00	0.30
18.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.090	0.000	0.00	0.30
20.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.091	0.000	0.00	9.84
20.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.091	0.000	0.00	0.30
20.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.091	0.000	0.00	0.30
22.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.092	0.000	0.00	9.84
22.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.092	0.000	0.00	0.30
22.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.092	0.000	0.00	0.30
24.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.093	0.000	0.00	9.84
24.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.093	0.000	0.00	0.30
24.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.093	0.000	0.00	0.30
26.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.094	0.000	0.00	9.84
26.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.094	0.000	0.00	0.30
26.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.094	0.000	0.00	0.30
28.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.129	0.094	0.000	0.00	9.84
28.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.094	0.000	0.00	0.30
28.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.129	0.094	0.000	0.00	0.30
30.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.134	0.095	0.000	0.00	9.84
30.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.134	0.095	0.000	0.00	0.30
30.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.134	0.095	0.000	0.00	0.30
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.220	0.077	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	0.077	0.000	0.00	0.23
32.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	6.248	0.078	0.000	0.00	2.46
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.63	0.03	0.00	6.248	0.078	0.000	0.00	0.07
34.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.357	0.078	0.000	0.00	9.84
34.00	(1) 1/2" Coax	Yes	2.00	0.000	0.63	0.10	0.00	6.357	0.078	0.000	0.00	0.30

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 8/31/2009 9:18:49 AM
 Page: 35



Load Case: 1.0D + 1.0W 60.00 mph Serviceability 33 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.00

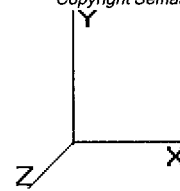
Wind Load Factor : 1.00

35.67	(6) 1 5/8" Coax	Yes	1.67	0.000	1.98	0.28	0.00	6.445	0.060	0.000	0.00	8.20
36.00	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.05	0.00	6.462	0.059	0.000	0.00	1.64
38.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.562	0.059	0.000	0.00	9.84
40.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.659	0.060	0.000	0.00	9.84
42.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.753	0.061	0.000	0.00	9.84
44.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.843	0.061	0.000	0.00	9.84
46.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	6.931	0.062	0.000	0.00	9.84
48.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.015	0.062	0.000	0.00	9.84
50.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.098	0.063	0.000	0.00	9.84
52.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.178	0.064	0.000	0.00	9.84
54.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.255	0.064	0.000	0.00	9.84
56.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.331	0.065	0.000	0.00	9.84
58.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.405	0.066	0.000	0.00	9.84
60.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.477	0.067	0.000	0.00	9.84
62.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.548	0.067	0.000	0.00	9.84
64.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.616	0.068	0.000	0.00	9.84
66.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.684	0.069	0.000	0.00	9.84
68.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.749	0.070	0.000	0.00	9.84
70.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.814	0.070	0.000	0.00	9.84
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	1.98	0.00	0.00	7.814	0.071	0.000	0.00	0.00
72.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	7.877	0.071	0.000	0.00	9.84
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.924	0.072	0.000	0.00	7.38
74.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	7.939	0.071	0.000	0.00	2.46
76.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.000	0.071	0.000	0.00	9.84
78.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.059	0.072	0.000	0.00	9.84
80.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.118	0.073	0.000	0.00	9.84
82.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.175	0.074	0.000	0.00	9.84
84.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.232	0.075	0.000	0.00	9.84
86.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.287	0.076	0.000	0.00	9.84
88.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.342	0.077	0.000	0.00	9.84
90.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.396	0.078	0.000	0.00	9.84
92.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.448	0.079	0.000	0.00	9.84
94.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.501	0.080	0.000	0.00	9.84
96.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.552	0.081	0.000	0.00	9.84
98.00	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.602	0.082	0.000	0.00	9.84
100.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.652	0.083	0.000	0.00	9.84
102.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.701	0.084	0.000	0.00	9.84
104.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.750	0.086	0.000	0.00	9.84
106.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.797	0.087	0.000	0.00	9.84
108.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.845	0.088	0.000	0.00	9.84
110.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.891	0.089	0.000	0.00	9.84
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	1.98	0.00	0.00	8.891	0.090	0.000	0.00	0.00
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.937	0.091	0.000	0.00	9.84
114.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	8.982	0.092	0.000	0.00	9.84
116.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.027	0.093	0.000	0.00	9.84
118.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.071	0.095	0.000	0.00	9.84
120.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.115	0.096	0.000	0.00	9.84
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.158	0.098	0.000	0.00	9.84
124.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.201	0.099	0.000	0.00	9.84
126.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.243	0.101	1.003	0.00	9.84
128.0	(6) 1 5/8" Coax	Yes	2.00	0.000	1.98	0.33	0.00	9.284	0.103	1.008	0.00	9.84
Totals:											0.00	639.28

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 8/31/2009 9:18:49 AM
 Page: 36



Load Case: 1.0D + 1.0W	60.00 mph Serviceability	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Applied Segment Forces Summary

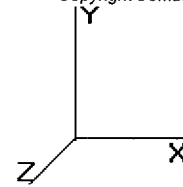
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
2.00	43.30	353.46	0.00	0.00
4.00	42.93	350.89	0.00	0.00
6.00	42.57	348.31	0.00	0.00
8.00	42.21	345.74	0.00	0.00
10.00	41.84	343.16	0.00	0.00
12.00	41.48	340.59	0.00	0.00
14.00	41.11	338.01	0.00	0.00
16.00	40.75	335.44	0.00	0.00
18.00	40.38	332.86	0.00	0.00
20.00	40.02	330.28	0.00	0.00
22.00	39.65	327.71	0.00	0.00
24.00	39.29	325.13	0.00	0.00
26.00	38.92	322.56	0.00	0.00
28.00	38.56	319.98	0.00	0.00
30.00	55.78	368.91	0.00	1.01
31.50	28.84	236.19	0.00	0.00
32.00	9.79	134.31	0.00	0.00
34.00	57.81	586.17	0.00	1.05
35.67	33.18	441.79	0.00	0.00
36.00	6.61	44.91	0.00	0.00
38.00	40.12	268.47	0.00	0.00
40.00	40.31	266.33	0.00	0.00
42.00	40.48	264.18	0.00	0.00
44.00	40.61	262.03	0.00	0.00
46.00	40.72	259.89	0.00	0.00
48.00	40.80	257.74	0.00	0.00
50.00	40.85	255.59	0.00	0.00
52.00	40.89	253.45	0.00	0.00
54.00	40.90	251.30	0.00	0.00
56.00	40.89	249.16	0.00	0.00
58.00	40.86	247.01	0.00	0.00
60.00	40.82	244.86	0.00	0.00
62.00	40.75	242.72	0.00	0.00
64.00	40.67	240.57	0.00	0.00
66.00	40.57	238.43	0.00	0.00
68.00	40.46	236.28	0.00	0.00
70.00	40.33	234.13	0.00	0.00
70.00	0.01	0.04	0.00	0.00
72.00	40.93	380.55	0.00	0.00
73.50	30.58	282.99	0.00	0.00
74.00	10.14	49.05	0.00	0.00
76.00	40.62	195.25	0.00	0.00
78.00	40.44	193.53	0.00	0.00
80.00	40.25	191.81	0.00	0.00
82.00	40.05	190.10	0.00	0.00
84.00	39.84	188.38	0.00	0.00
86.00	39.61	186.66	0.00	0.00
88.00	39.38	184.95	0.00	0.00
90.00	39.13	183.23	0.00	0.00

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 8/31/2009 9:18:49 AM
 Page: 37



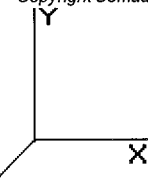
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

92.00	38.88	181.51	0.00	0.00
94.00	38.61	179.80	0.00	0.00
96.00	38.34	178.08	0.00	0.00
98.00	38.05	176.36	0.00	0.00
100.0	37.76	174.64	0.00	0.00
102.0	37.45	172.93	0.00	0.00
104.0	37.14	171.21	0.00	0.00
106.0	36.82	169.49	0.00	0.00
108.0	36.49	167.78	0.00	0.00
110.0	36.15	166.06	0.00	0.00
110.0	0.01	0.03	0.00	0.00
112.0	35.80	136.00	0.00	0.00
114.0	35.46	134.74	0.00	0.00
116.0	35.10	133.45	0.00	0.00
118.0	343.94	438.36	0.00	0.00
120.0	34.35	129.74	0.00	0.00
122.0	33.97	128.45	0.00	0.00
124.0	33.58	127.16	0.00	0.00
126.0	33.19	125.87	0.00	0.00
128.0	183.94	403.79	0.00	0.00
130.0	32.37	113.46	0.00	0.00
132.0	31.96	112.17	0.00	0.00
134.0	31.54	110.88	0.00	0.00
136.0	31.11	109.60	0.00	0.00
138.0	336.36	948.31	0.00	0.00
140.0	30.23	77.50	0.00	0.00
142.0	29.79	76.22	0.00	0.00
144.0	29.34	74.93	0.00	0.00
146.0	28.88	73.64	0.00	0.00
148.0	28.42	72.35	0.00	0.00
150.0	789.05	2,440.37	0.00	722.37
Totals:	4,401.10	20,729.97	0.00	724.44

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 38



Load Case: 1.0D + 1.0W 60.00 mph Serviceability 33 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.00
Wind Load Factor: 1.00

Calculated Forces

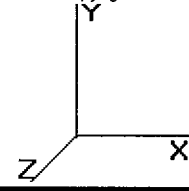
Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-20.73	-4.41	0.00	-444.64	0.00	444.64	2,613.99	1,306.99	3,984.35	1,967.72	0.00	0.00	0.234
2.00	-20.37	-4.37	0.00	-435.83	0.00	435.83	2,591.85	1,295.92	3,916.81	1,934.37	0.01	-0.03	0.233
4.00	-20.02	-4.34	0.00	-427.09	0.00	427.09	2,569.71	1,284.86	3,849.85	1,901.30	0.03	-0.06	0.232
6.00	-19.67	-4.31	0.00	-418.40	0.00	418.40	2,547.57	1,273.79	3,783.47	1,868.51	0.06	-0.10	0.232
8.00	-19.32	-4.28	0.00	-409.78	0.00	409.78	2,525.43	1,262.72	3,717.66	1,836.01	0.11	-0.13	0.231
10.00	-18.98	-4.25	0.00	-401.23	0.00	401.23	2,503.30	1,251.65	3,652.43	1,803.80	0.17	-0.16	0.230
12.00	-18.63	-4.21	0.00	-392.73	0.00	392.73	2,481.16	1,240.58	3,587.78	1,771.87	0.24	-0.20	0.229
14.00	-18.29	-4.18	0.00	-384.31	0.00	384.31	2,459.02	1,229.51	3,523.71	1,740.23	0.33	-0.23	0.228
16.00	-17.95	-4.15	0.00	-375.94	0.00	375.94	2,436.88	1,218.44	3,460.21	1,708.87	0.44	-0.26	0.227
18.00	-17.62	-4.12	0.00	-367.64	0.00	367.64	2,414.74	1,207.37	3,397.29	1,677.80	0.55	-0.29	0.226
20.00	-17.29	-4.09	0.00	-359.40	0.00	359.40	2,392.60	1,196.30	3,334.95	1,647.01	0.68	-0.33	0.225
22.00	-16.96	-4.06	0.00	-351.23	0.00	351.23	2,370.47	1,185.23	3,273.19	1,616.50	0.83	-0.36	0.224
24.00	-16.63	-4.02	0.00	-343.11	0.00	343.11	2,348.33	1,174.16	3,212.00	1,586.29	0.99	-0.40	0.223
26.00	-16.31	-3.99	0.00	-335.07	0.00	335.07	2,326.19	1,163.10	3,151.39	1,556.35	1.16	-0.43	0.222
28.00	-15.98	-3.96	0.00	-327.08	0.00	327.08	2,304.05	1,152.03	3,091.36	1,526.71	1.35	-0.46	0.221
30.00	-15.61	-3.91	0.00	-319.16	0.00	319.16	2,281.91	1,140.96	3,031.90	1,497.34	1.55	-0.50	0.220
31.50	-15.38	-3.88	0.00	-313.29	0.00	313.29	2,265.31	1,132.65	2,987.68	1,475.50	1.71	-0.52	0.219
32.00	-15.24	-3.88	0.00	-311.35	0.00	311.35	2,259.78	1,129.89	2,973.03	1,468.27	1.77	-0.53	0.219
34.00	-14.65	-3.82	0.00	-303.59	0.00	303.59	2,237.64	1,118.82	2,914.73	1,439.47	2.00	-0.57	0.217
35.67	-14.21	-3.79	0.00	-297.21	0.00	297.21	1,889.79	944.90	2,499.95	1,234.63	2.20	-0.60	0.248
36.00	-14.16	-3.79	0.00	-295.95	0.00	295.95	1,886.72	943.36	2,491.79	1,230.60	2.24	-0.60	0.248
38.00	-13.89	-3.76	0.00	-288.37	0.00	288.37	1,868.27	934.14	2,443.07	1,206.54	2.50	-0.64	0.246
40.00	-13.62	-3.72	0.00	-280.86	0.00	280.86	1,849.82	924.91	2,394.82	1,182.71	2.78	-0.68	0.245
42.00	-13.36	-3.69	0.00	-273.42	0.00	273.42	1,831.37	915.69	2,347.06	1,159.13	3.08	-0.72	0.243
44.00	-13.09	-3.65	0.00	-266.05	0.00	266.05	1,812.93	906.46	2,299.78	1,135.77	3.39	-0.76	0.241
46.00	-12.83	-3.62	0.00	-258.74	0.00	258.74	1,794.48	897.24	2,252.98	1,112.66	3.71	-0.80	0.240
48.00	-12.57	-3.58	0.00	-251.51	0.00	251.51	1,776.03	888.01	2,206.66	1,089.79	4.06	-0.84	0.238
50.00	-12.32	-3.55	0.00	-244.35	0.00	244.35	1,757.58	878.79	2,160.82	1,067.15	4.42	-0.88	0.236
52.00	-12.06	-3.51	0.00	-237.26	0.00	237.26	1,739.13	869.57	2,115.47	1,044.75	4.80	-0.92	0.234
54.00	-11.81	-3.47	0.00	-230.24	0.00	230.24	1,720.68	860.34	2,070.59	1,022.59	5.19	-0.96	0.232
56.00	-11.56	-3.43	0.00	-223.30	0.00	223.30	1,702.23	851.12	2,026.20	1,000.66	5.60	-1.00	0.230
58.00	-11.31	-3.40	0.00	-216.43	0.00	216.43	1,683.79	841.89	1,982.28	978.98	6.03	-1.04	0.228
60.00	-11.06	-3.36	0.00	-209.63	0.00	209.63	1,665.34	832.67	1,938.85	957.53	6.47	-1.08	0.226
62.00	-10.82	-3.32	0.00	-202.91	0.00	202.91	1,646.89	823.44	1,895.90	936.31	6.94	-1.12	0.223
64.00	-10.57	-3.28	0.00	-196.27	0.00	196.27	1,628.44	814.22	1,853.43	915.34	7.42	-1.16	0.221
66.00	-10.33	-3.25	0.00	-189.70	0.00	189.70	1,609.99	805.00	1,811.44	894.60	7.91	-1.20	0.218
68.00	-10.10	-3.21	0.00	-183.21	0.00	183.21	1,591.54	795.77	1,769.93	874.10	8.42	-1.24	0.216
70.00	-9.86	-3.17	0.00	-176.79	0.00	176.79	1,573.10	786.55	1,728.91	853.84	8.95	-1.28	0.213
70.00	-9.86	-3.17	0.00	-176.79	0.00	176.79	1,573.09	786.55	1,728.90	853.84	8.95	-1.28	0.213
72.00	-9.48	-3.13	0.00	-170.45	0.00	170.45	1,554.65	777.32	1,688.36	833.82	9.50	-1.32	0.211
73.50	-9.20	-3.09	0.00	-165.76	0.00	165.76	1,259.14	629.57	1,387.79	685.38	9.92	-1.35	0.249
74.00	-9.15	-3.08	0.00	-164.22	0.00	164.22	1,255.45	627.72	1,379.64	681.35	10.06	-1.36	0.248
76.00	-8.95	-3.05	0.00	-158.05	0.00	158.05	1,240.69	620.34	1,347.24	665.35	10.64	-1.41	0.245
78.00	-8.76	-3.01	0.00	-151.96	0.00	151.96	1,225.93	612.97	1,315.23	649.54	11.25	-1.46	0.241
80.00	-8.56	-2.97	0.00	-145.94	0.00	145.94	1,211.17	605.59	1,283.60	633.92	11.87	-1.51	0.237
82.00	-8.37	-2.93	0.00	-140.00	0.00	140.00	1,196.41	598.21	1,252.36	618.50	12.51	-1.55	0.233
84.00	-8.18	-2.89	0.00	-134.13	0.00	134.13	1,181.65	590.83	1,221.51	603.26	13.17	-1.60	0.229
86.00	-7.99	-2.86	0.00	-128.35	0.00	128.35	1,166.90	583.45	1,191.04	588.21	13.85	-1.64	0.225
88.00	-7.81	-2.82	0.00	-122.63	0.00	122.63	1,152.14	576.07	1,160.95	573.35	14.55	-1.69	0.221
90.00	-7.62	-2.78	0.00	-117.00	0.00	117.00	1,137.38	568.69	1,131.25	558.68	15.26	-1.74	0.216
92.00	-7.44	-2.74	0.00	-111.44	0.00	111.44	1,122.62	561.31	1,101.93	544.20	16.00	-1.78	0.211

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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 Page: 39



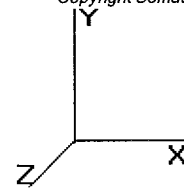
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	33 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

94.00	-7.26	-2.70	0.00	-105.97	0.00	105.97	1,107.86	553.93	1,073.00	529.91	16.75	-1.82	0.207
96.00	-7.08	-2.66	0.00	-100.56	0.00	100.56	1,093.10	546.55	1,044.45	515.82	17.53	-1.87	0.201
98.00	-6.90	-2.62	0.00	-95.24	0.00	95.24	1,078.34	539.17	1,016.29	501.91	18.32	-1.91	0.196
100.00	-6.73	-2.59	0.00	-89.99	0.00	89.99	1,063.58	531.79	988.52	488.19	19.13	-1.95	0.191
102.00	-6.56	-2.55	0.00	-84.82	0.00	84.82	1,048.83	524.41	961.12	474.66	19.96	-2.00	0.185
104.00	-6.38	-2.51	0.00	-79.73	0.00	79.73	1,034.07	517.03	934.12	461.32	20.80	-2.04	0.179
106.00	-6.21	-2.47	0.00	-74.71	0.00	74.71	1,019.31	509.65	907.49	448.18	21.66	-2.08	0.173
108.00	-6.05	-2.43	0.00	-69.77	0.00	69.77	1,004.55	502.27	881.26	435.22	22.54	-2.12	0.166
110.00	-5.88	-2.39	0.00	-64.91	0.00	64.91	989.79	494.89	855.40	422.45	23.44	-2.16	0.160
110.00	-5.88	-2.39	0.00	-64.91	0.00	64.91	989.79	494.89	855.40	422.45	23.44	-2.16	0.160
110.00	-5.88	-2.39	0.00	-64.91	0.00	64.91	989.79	494.89	855.40	422.45	23.44	-2.16	0.211
112.00	-5.74	-2.36	0.00	-60.13	0.00	60.13	733.48	366.74	628.11	310.20	24.35	-2.19	0.202
114.00	-5.61	-2.32	0.00	-55.42	0.00	55.42	722.41	361.21	609.21	300.87	25.28	-2.24	0.192
116.00	-5.48	-2.28	0.00	-50.78	0.00	50.78	711.34	355.67	590.60	291.67	26.23	-2.29	0.182
118.00	-5.05	-1.93	0.00	-46.21	0.00	46.21	700.27	350.14	572.28	282.63	27.19	-2.33	0.171
120.00	-4.92	-1.89	0.00	-42.36	0.00	42.36	689.20	344.60	554.25	273.72	28.18	-2.37	0.162
122.00	-4.79	-1.85	0.00	-38.58	0.00	38.58	678.14	339.07	536.50	264.96	29.18	-2.41	0.153
124.00	-4.67	-1.82	0.00	-34.87	0.00	34.87	667.07	333.53	519.05	256.34	30.20	-2.45	0.143
126.00	-4.54	-1.78	0.00	-31.23	0.00	31.23	656.00	328.00	501.88	247.86	31.23	-2.49	0.133
128.00	-4.14	-1.58	0.00	-27.67	0.00	27.67	644.93	322.46	485.00	239.53	32.28	-2.52	0.122
130.00	-4.03	-1.55	0.00	-24.50	0.00	24.50	633.86	316.93	468.41	231.33	33.35	-2.55	0.112
132.00	-3.92	-1.51	0.00	-21.40	0.00	21.40	622.79	311.39	452.11	223.28	34.42	-2.58	0.102
134.00	-3.81	-1.48	0.00	-18.38	0.00	18.38	611.72	305.86	436.10	215.38	35.51	-2.61	0.092
136.00	-3.70	-1.44	0.00	-15.42	0.00	15.42	600.65	300.33	420.38	207.61	36.61	-2.63	0.080
138.00	-2.77	-1.07	0.00	-12.53	0.00	12.53	589.58	294.79	404.95	199.99	37.71	-2.65	0.067
140.00	-2.69	-1.03	0.00	-10.40	0.00	10.40	578.51	289.26	389.80	192.51	38.83	-2.67	0.059
142.00	-2.62	-1.00	0.00	-8.34	0.00	8.34	567.44	283.72	374.94	185.17	39.95	-2.69	0.050
144.00	-2.54	-0.97	0.00	-6.34	0.00	6.34	556.38	278.19	360.38	177.98	41.08	-2.70	0.040
146.00	-2.47	-0.94	0.00	-4.40	0.00	4.40	545.31	272.65	346.10	170.92	42.21	-2.71	0.030
148.00	-2.40	-0.90	0.00	-2.53	0.00	2.53	534.24	267.12	332.11	164.01	43.35	-2.72	0.020
150.00	0.00	-0.79	0.00	-0.72	0.00	0.72	523.17	261.58	318.40	157.25	44.49	-2.72	0.005

Pole : 302473
 Location : E H F R - Prestige Park, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

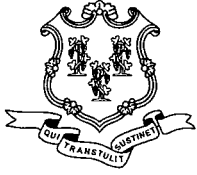
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



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	17.68	0.00	24.86	0.00	0.00	1798.96	73.50	0.99
0.9D + 1.6W	17.67	0.00	18.64	0.00	0.00	1764.82	35.67	0.96
1.2D + 1.0Di + 1.0Wi	4.43	0.00	47.06	0.00	0.00	515.19	73.50	0.33
1.0D + 1.0W	4.41	0.00	20.73	0.00	0.00	444.64	73.50	0.25



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@ct.gov

www.ct.gov/csc

September 23, 2009

The Honorable Melody A. Currey
Mayor
Town of East Hartford
Town Hall
740 Main Street
East Hartford, CT 06108-3114

RE: **EM-CLEARWIRE-043-090923** – Clearwire Corporation notice of intent to modify an existing telecommunications facility located at 2 Prestige Park Road, East Hartford, Connecticut.


Dear Mayor Currey:

The Connecticut Siting Council (Council) received this request to modify an existing telecommunications facility, pursuant to Regulations of Connecticut State Agencies Section 16-50j-72.

If you have any questions or comments regarding this proposal, please call me or inform the Council by October 7, 2009.

Thank you for your cooperation and consideration.

Very truly yours,


S. Derek Phelps
Executive Director

SDP/jbw

Enclosure: Notice of Intent

c: Michael J. Dayton, Town Planner, Town of East Hartford



EM-CLEARWIRE-043-090923

September 22, 2009

VIA FEDERAL EXPRESS

ORIGINAL

RECEIVED
SEP 23 2009

S. Derek Phelps, Executive Director
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

CONNECTICUT
SITING COUNCIL

Re: Clearwire Corporation - Notice to Make an Exempt Modification to an Existing Facility
at 2 Prestige Park Road, East Hartford

Dear Mr. Phelps:

Pursuant to Conn. Agencies Regs. Sections 16-50j-73 and 16-50j-72(b), Clearwire Corporation ("Clearwire") hereby gives notice to the Connecticut Siting Council ("Council") and the City of East Hartford, Connecticut of Clearwire's intent to make an exempt modification to an existing monopole tower ("tower") located at 2 Prestige Park Road, East Hartford. Specifically, Clearwire plans to add antennas, microwave dishes and related equipment to the tower site. Under the Council's regulations, (Conn. Agencies Regs. Section 16-50j-72(b)), Clearwire's plans do not constitute a modification subject to the Council's review because Clearwire will not change the height of the tower, will not extend the boundaries of the compound, will not increase the noise levels at the site and will not increase the total radio frequency electromagnetic radiation power density at the site to levels above applicable standards.

Clearwire is currently developing a 4G wireless broadband network to provide high-speed wireless data and VoIP service within the State of Connecticut. Clearwire's 4G service leverages the WiMAX technology to enable enhanced wireless data communications.

The tower is an approximately 150' monopole tower located at 2 Prestige Park Road, East Hartford, Connecticut (Latitude 41°15'08" N, Longitude 72°58'30" W). The tower is owned by American Tower Corp. Several other wireless carriers are located on the tower. Clearwire will add three panel antennas, two microwave dishes and two related radio units for backhaul. Drawings with the tower elevation and compound specifications are attached.

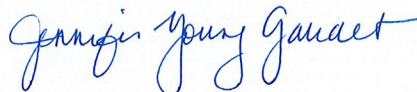
Clearwire will install three panel antennas and three TMAs, one each per sector, and mount two microwave dishes and two related radio units at a center line of 118'. Eight coaxial cables will be added to the structure. To confirm that the tower can support these changes, American Tower performed a structural analysis of the tower with the proposed changes (attached). According to that analysis, the structure is sufficient to support the proposed loading.

Within the existing lease area, Clearwire will install one equipment cabinet on a platform within its lease area at the site. No extension of the lease area will be required. Excluding brief, construction related noise during the addition of this equipment, the proposed changes to the tower will not increase noise levels at the site.

The addition of new antennas and microwave dishes will not adversely impact the health and safety of the surrounding community or the people working on the tower. The total radio frequency exposure measured around the base of the tower will be well below the National Council on Radiation Protection and Measurements (NCRP) standard adopted by the Federal Communications Commission (FCC). The worst case power density analysis for the WiMAX antennas and dishes, measured at the base of the tower, indicates that the WiMAX antennas and dishes will emit 0.064% of the NCRP's standard for maximum permissible exposure. The cumulative power density analysis indicates that all the antennas on the structure will emit 20.954% of the NCRP's standard for maximum permissible exposure. Therefore, the power density levels will be well below the FCC mandated radio frequency exposure limits in all locations around the base of the tower. The power density analysis is attached.

In conclusion, Clearwire's proposed plan to add three antennas, two microwave dishes and associated radio units, as well as the associated ground equipment does not constitute a modification subject to the Council's jurisdiction because Clearwire will not increase the height of the tower, will not extend the boundaries of the compound at the site, will not increase the noise levels at the site and the radio frequency electromagnetic radiation power density will stay within all applicable standards.

Respectfully submitted,



Jennifer Young Gaudet
for Clearwire Corporation

cc: Mayor Melody Currey
Fremont Prestige Park LLC (underlying property owner)

Attachments

clearwire
Mobile & Broadband

CLEARWIRE NY METRO MARKET
 CHARLES REGALUTO
 345 WEST PASSAIC STREET
 ROCHELLE PARK, NJ 07762
 (860) 394-7021

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AMERICAN TOWER[®]
STRUCTURAL
ENGINEERING
 8505 FREEPORT PARKWAY
 SUITE 135
 IRVING, TX 75063
 (972) 999-8900 Tel.
 (972) 999-8940 Fax
NYSE: AMT

SITE NUMBER:
302473

SITE NAME:
**E H F R -
 PRESTIGE
 PARK, CT**

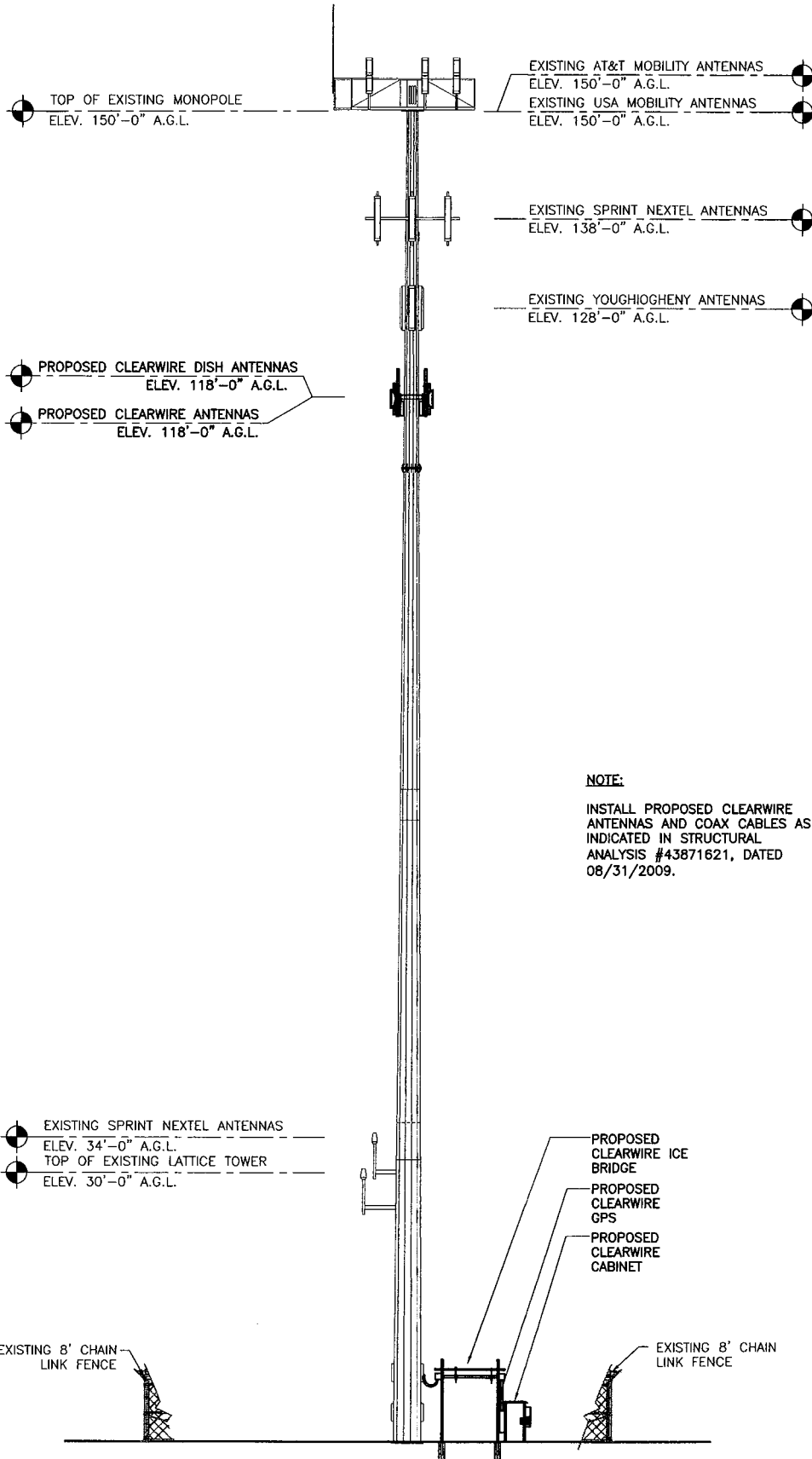
SITE ADDRESS:
**2 PRESTIGE PARK ROAD
 EAST HARTFORD, CT 06108**

STAMP HERE:

DRAWN BY:	PP
CHECKED BY:	SAE
DATE DRAWN:	9-04-09
JOB NO:	438716K2
SHEET TITLE:	

TOWER
 ELEVATION

SHEET NUMBER:	REV. #
A-2	0



NOTE:
 INSTALL PROPOSED CLEARWIRE ANTENNAS AND COAX CABLES AS INDICATED IN STRUCTURAL ANALYSIS #43871621, DATED 08/31/2009.

1 TOWER ELEVATION
 NOT TO SCALE

clearwire
 AN AIRTELIS COMPANY
 CLEARWIRE BY AIRTELIS MARKET
 CHAIRMAN REGULATORY
 100 MILITARY PARKWAY SUITE 101
 WESTFIELD, MA 01097
 (401) 362-7001

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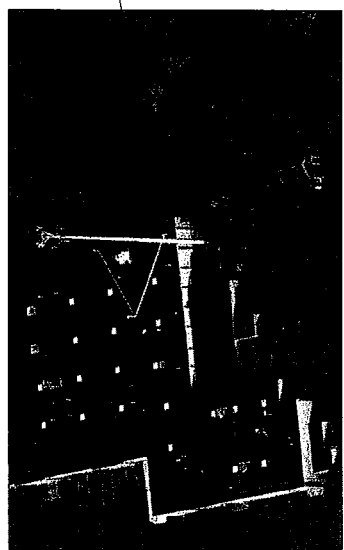
AMERICAN TOWER
STRUCTURAL ENGINEERING
 8005 PRESTIGE PARKWAY
 IRVING, TX 75063
 (972) 988-8840 FAX
 WWW.ATE.COM

SITE NUMBER:
302473
 SITE NAME:
**E H F R -
 PRESTIGE
 PARK, CT**
 SITE ADDRESS:
**2 PRESTIGE PARK ROAD
 EAST HARTFORD, CT 06108**

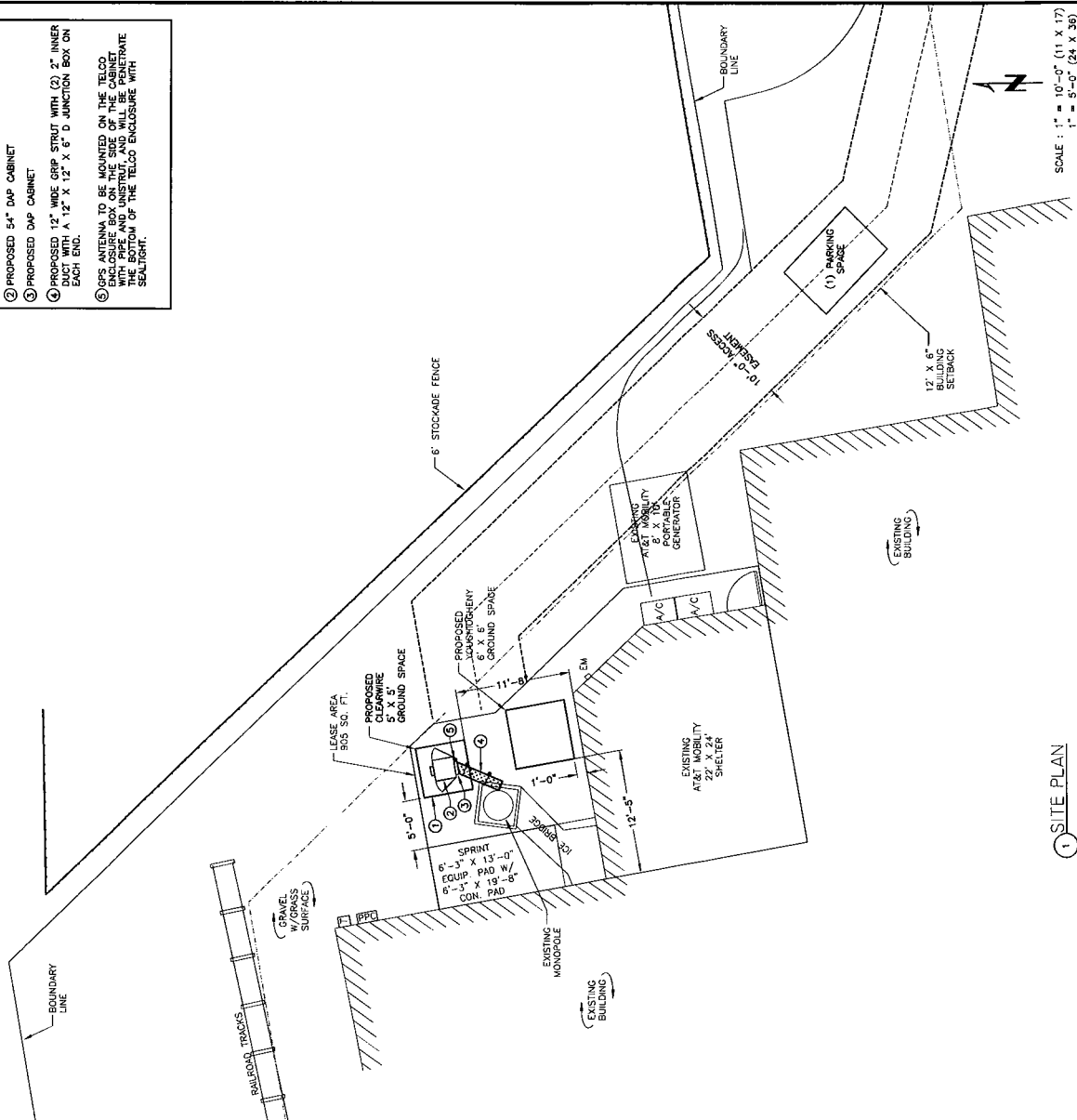
OWNER	PTP
DESIGNED BY	SEC
DATE DRAWN	8-04-08
JOB NO.	037822
PROJECT TITLE	

SITE PLAN
 SHEET NUMBER:
A-1
 OF
0

- CIVIL LEGEND:**
- ① PROPOSED CLEARWIRE GROUND SPACE
 - ② PROPOSED 54" DAP CABINET
 - ③ PROPOSED DAP CABINET
 - ④ PROPOSED 12" WIDE GRP STRUT WITH (2) 2" INNER EACH WITH A 12" X 12" X 6" D JUNCTION BOX ON EACH END.
 - ⑤ GPS ANTENNA TO BE MOUNTED ON THE TELCO ENCLOSURE BOX ON THE SIDE OF THE CABINET WITH THE ANTENNA POINTING UP AND 18" FROM THE BOTTOM OF THE TELCO ENCLOSURE WITH SEALTIGHT.



OBLIQUE VIEW



SCALE: 1" = 10'-0" (11 X 17)
 1" = 5'-0" (24 X 36)

1 SITE PLAN

GENERAL NOTES:

HEIGHT: EXCLUDING THE TOWER, NO EXISTING OR PROPOSED STRUCTURE OR EQUIPMENT WILL EXCEED THE HEIGHT LIMITATIONS OF THE DISTRICT.

LIGHTING: THE PROPOSED INSTALLATION AND EXISTING FACILITY REQUIREMENTS EXCEED ALL FIM AND FCC REGULATORY REQUIREMENTS.

GRADE: EXISTING GRADE WILL BE MAINTAINED FOR PROPOSED CONSTRUCTION. PARKING SPACE IS REQUIRED, ONE EXISTING REQUIRED BY THE FCC.

SEWERAGE: EXTERIOR SIGNS ARE NOT PROPOSED EXCEPT AS IN AN INSIGNIFICANT INCREASE IN STORM WATER RUNOFF. CONSEQUENTLY, NO WATER QUALITY CONTROL DEVICES ARE REQUIRED.

UTILITIES: SANITARY SEWER SERVICE AND POTABLE WATER ARE NOT APPLICABLE FOR THE USE, IF APPLICABLE, EXCAVATIONS SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATING.

DRIVEWAY: A DRIVEWAY PERMIT IS NOT REQUIRED FOR THIS PROJECT. THE PROJECT WILL NOT REQUIRE RIGHT-OF-WAY OR EASEMENTS. THERE WILL BE NO SIGNAGE, BUSH, VAPORS OR ODOR WILL RESULT FROM THIS PROJECT.



AMERICAN TOWER®
CORPORATION

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 : Clearwire Corporation
Carrier Site Name : N/A
Carrier Site Number : N/A CT-HFD0040
County : Hartford
Eng. Number : 43871621
Date : August 31, 2009
Usage : 99% Pole Shaft, 98% Anchor Bolts,
79% (Approx. Base Plate)

Submitted by:
Cesar Rojas
Design Engineer

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



9/8/09

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 150 ft ITT Meyer 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 (Drawing # Type "B").

Analysis

The existing tower was analyzed using Semaan Engineering Solutions, Inc., Software. The analysis assumes that the tower is in good, undamaged, and non-corroded condition. A 5% overstress is allowed in the existing structural members to account for program variances.

Basic Wind Speed: 95.0 mph (3-Second Gust)
 Radial Ice: 50.0 mph (3-Second Gust) w/ 1" ice
 Standard/Code: ANSI/TIA-222-G / 2003 IBC / 2005 & 2008 CT Supplement

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	3	Diplexer	Platform w/rails	(12) 7/8 (I)	AT&T Mobility
	6	RCU			
	12	ADC CG-800DD			
	9	CSS DUO4-8670			
150.0	1	6' Omni		(1) 1 5/8 (I)	USA Mobility
138.0	9	Decibel DB980F65E-M	T-Arms	(18) 1 5/8 (I)	Sprint Nextel
128.0	3	RFS APXV18-206517S-C	Flush Mounts	(6) 1 5/8 (O)	Youghioghny
34.0	1	GPS	Stand-off	(1) 1/2 (O)	Sprint Nextel
30.0	1	GPS	Stand-off	(1) 1/2 (O)	AT&T Mobility

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax (I/O)	Carrier
118.0	3	Argus LLPX310R	Clearwire Mount	(2) 1/2 (I) (6) 5/16 (I)	Clearwire
	2	DragonWave Horizon Compact			
	2	DragonWave A-ANT-18G-2-C			
	3	NextNet BTS-2500			

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.

Results

The existing 150 ft ITT Meyer Monopole with the existing and the proposed antennas is structurally acceptable per ANSI/TIA-222 Rev G standards. The maximum structure usage is: 99% Pole Shaft, 98% Anchor Bolts, and 79% (Approx. Base Plate).

Additional exit and/or entry ports may be required to accommodate the running of the proposed lines to the proposed antennas. These additional ports may not be installed without installation drawings providing the location, size and welding requirements of each port.

To ensure compliance with all conditions of this structural analysis, port installation drawings shall be provided by American Tower’s Engineering Department under a subsequent project.

Pole Reactions	Original Design Reactions	Current Analysis Reactions	% Of Design
Moment (ft-kips)	1,197.0	1,799.0	111.3*
Shear (kips)	13.1	17.7	100.0*

* 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 or calculations. However, upon reviewing the foundation and the soil documents, the existing foundation was found to be adequate to resist the new reactions. Therefore, 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 line distribution 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 are in an un-corroded condition and have not deteriorated; and we, therefore, assume 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.



To: HPC
From: Praveen Meesarapu – Radio Frequency Engineer
Cc: Cameron Syme
Subject: Power Density Report for CT-HFD0040
Date: September 18, 2009

1. Introduction:

This report is the result of Electromagnetic Field Intensities (EMF – Power Densities) study for the Clearwire broadband antenna installation on a Self Support Tower at 2 Prestige Park, East Hartford, 06108. This study incorporates the most conservative consideration for determining the practical combined worst case power density levels that would be theoretically encountered from locations surrounding the transmitting location:

2: Discussion:

The following assumptions were used in the calculations:

- 1) The emissions from Clearwire transmitters are in the (2496 – 2960) Frequency Band
- 2) The emissions from the Clearwire Microwave dishes are in the 11 GHz Frequency Band
- 3) The model number for Clearwire Antenna is Argus LLPX310R
- 4) The model number for the Microwave dish is Andrew VHLP2-11 with 24" Diameter.
- 5) The Clearwire Panel antenna centerline is 118 feet.
- 6) The Clearwire Microwave dish centerline is 118 feet.
- 7) The Maximum Transmit power from any Clearwire panel antenna is 251 Watts Effective Isotropic Radiated Power (EiRP) assuming 2 channels per sector.
- 8) The Maximum Transmit power from any Clearwire Microwave Dish is 346 Watts Effective Isotropic Radiated Power (EiRP) assuming 1 channel per dish.
- 9) All antennas are simultaneously transmitting and receiving 24 hours per day.
- 10) The average ground level of the studied area does not change significantly with respect to the transmitting location.

Equations given in "FCC OET Bulletin 65, Edition 97-01" were used with the above information to perform the calculations.

3: Conclusion:

Based on the above worst case assumptions, the power density calculation from the Clearwire antenna installation on a Self Support Tower at 2 Prestige Park, East Hartford is 0.000005 mW/cm². This value represents 0.064% of the Maximum Permissible Exposure (MPE) standard of 1 milliwatt per square centimeter (mW/cm²) set forth in the FCC/ANSI/IEEE C95-1-1991. Furthermore, the proposed antenna location for Clearwire will not interfere with existing public safety communications, AM or FM radio broadcasts, TV, Police Communications, HAM Radio communications or any other signals in the area.

The combined Power Density from all other carriers is 20.890 %. The combined Power Density for this site is 20.954 % of the M.P.E. standard.