

**METROPCS MASSACHUSETTS, LLC NOTICE OF INTENT TO MODIFY  
AN EXISTING TELECOMMUNICATIONS FACILITY AT  
310 PRESTIGE PARK ROAD, EAST HARTFORD, CONNECTICUT**

Pursuant to the Public Utility Environmental Standards Act, Connecticut General Statutes § 16-50g et. Seq. (“PUESA”), and Sections 16-50j-72(b) and 16-50j-73 of the Regulations of Connecticut State Agencies (“R.C.S.A”) adopted pursuant to the PUESA, Metro PCS, Inc., by and through its agent MetroPCS Massachusetts, LLC (“MetroPCS”) and as successor in interest to Pocket Communications hereby notifies the Connecticut Siting Council of its intent to modify an existing facility located at 310 Prestige Park Road, East Hartford, Connecticut. The telecommunications facility is owned by Fremont Prestige II, LLC and leased to MetroPCS.

**MetroPCS’ Proposed Wireless Modifications**

MetroPCS as successor in interest to Pocket Communications achieved an initial exempt modification approval from the Siting Council to install antennas and related ground equipment on August 10, 2009. The facility consists of a one hundred and fifty six (156’) foot high monopole telecommunications tower (the “Tower”) within a fenced compound. MetroPCS now intends to modify the facility as shown on the enclosed plans prepared by Advanced Engineering Group and annexed hereto as Exhibit 1. The modifications will consist of removing three (3) existing antennas and replacing them with six (6) new antennas at an AGL of 128’. Also, adding one (1) 1 5/8” hybridflex cable. A GPS will also be added to the ice bridge with one (1) ½” coax. On the ground MetroPCS will be pouring a 9’ x 10’ concrete pad inside existing lease area. MetroPCS also proposes to remove one (1) cabinet and add one (1) RBS cabinet, one (1) battery cabinet and one (1) PPC cabinet within existing lease area located within fenced area. A structural analysis has been completed for the site. Please see report attached in exhibit 3.

In accordance with R.C.S.A Section 16-50j-73, a copy of this submission is being sent to the Town of East Hartford. A copy of this submission is also being sent to Fremont Prestige II, LLC, the property owner on which the tower is located.

**MetroPCS’ Proposed Wireless Modifications Constitutes An “Exempt Modification”**

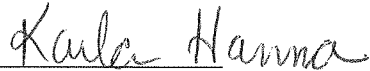
The proposed modification to the EHRF- Prestige Park, CT Facility constitutes an exempt modification of an existing facility provided for in R.C.S.A Section 16-50j-72(b)(2) and Council regulations promulgated pursuant thereto.

- 1) The proposed modifications will be to swap the existing MetroPCS antennas at the same AGL of 128’ and to swap one (1) cabinet on ground for three (3) new cabinets inside existing compound. This installation will not result in an increase in the height of the existing tower.
- 2) The proposed modifications will not require expansion of the site boundaries.
- 3) The proposed modifications will not increase noise levels at the facility by six decibels or more.

- 4) MetroPCS' proposed facility will not increase the cumulative radio frequency electromagnetic radiation power density at the Tower site's boundary to or above the standard adopted by the Connecticut Department of Environmental Protection as set forth in Section 22a-162 of the Connecticut General Statutes and MPE limits established by the Federal Communications Commission. A cumulative General Power Density table for MetroPCS' proposed modified facility is included as Exhibit 2.

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

Respectfully submitted,



**Karla Hanna (978) 852-7520**

On behalf of MetroPCS Massachusetts, LLC

c/o Tower Resource Management, Inc.  
16 Chestnut Street, Suite 220  
Foxboro, MA 02035

cc: **Town of East Hartford, CT**  
**Fremont Prestige II, LLC**

Exhibit 1

Site Plan

**PROJECT INFORMATION**

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY MODIFICATIONS  
 SITE ADDRESS: 310 PRESTIGE PARK ROAD  
 EAST HARTFORD, CT 06108  
 LATITUDE: 41.788311  
 LONGITUDE: -72.600528  
 JURISDICTION: NATIONAL, STATE & LOCAL CODES OR ORDINANCES  
 CURRENT USE: TELECOMMUNICATIONS FACILITY  
 PROPOSED USE: TELECOMMUNICATIONS FACILITY  
 DESIGN GUIDELINE: 5A

**SITE NAME: ATC E. HARTFORD MONOPOLE**

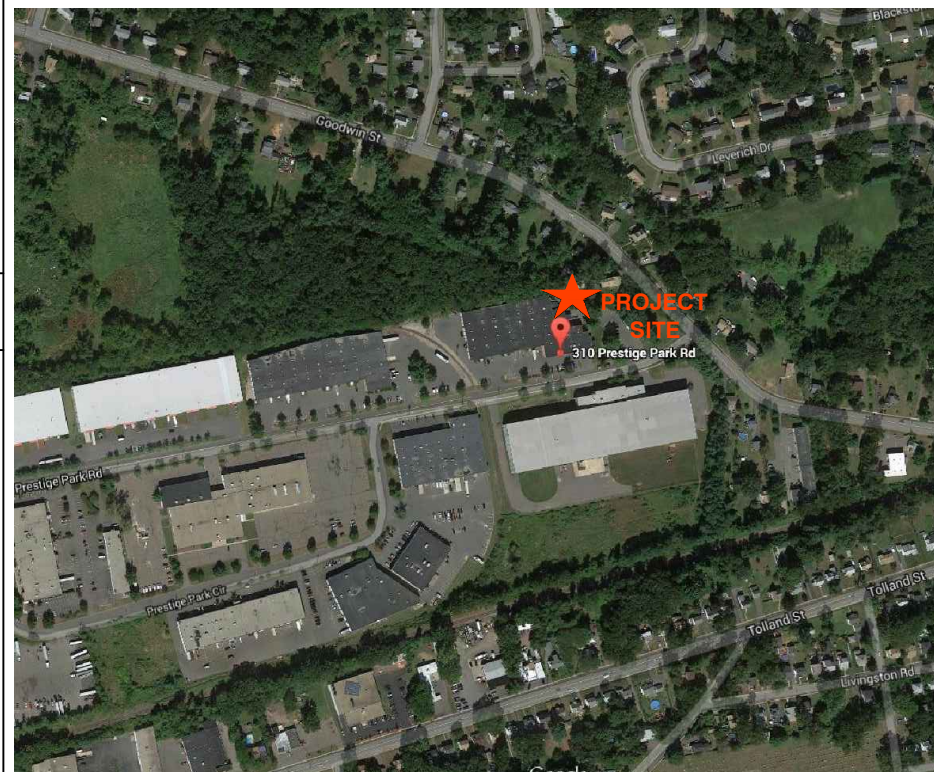
310 PRESTIGE PARK ROAD  
 EAST HARTFORD, CT 06108  
 HARTFORD COUNTY  
 SITE NUMBER: HFC1536A  
 (CTHA515)

**DRAWING INDEX**

**REV**

<b>T-1</b>	<b>TITLE SHEET</b>	<b>1</b>
<b>GN-1</b>	<b>GENERAL NOTES</b>	<b>1</b>
<b>A-1</b>	<b>COMPOUND &amp; EQUIPMENT PLAN</b>	<b>1</b>
<b>A-2</b>	<b>ELEVATION &amp; ANTENNA PLAN</b>	<b>1</b>
<b>A-3</b>	<b>DETAILS</b>	<b>1</b>
<b>G-1</b>	<b>GROUNDING, ONE-LINE DIAGRAM &amp; DETAILS</b>	<b>1</b>

**LOCUS MAP**

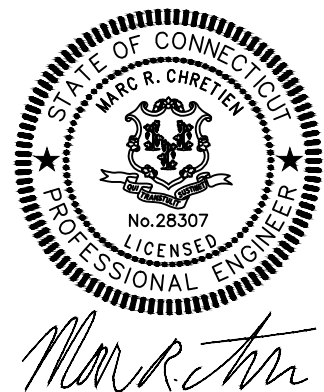


**GENERAL NOTES**

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

**SIGNATURES**

CONSTRUCTION	DATE	OPERATIONS	DATE
RF ENGINEERING	DATE	LAND OWNER	DATE
ZONING / SITE ACQ.	DATE		



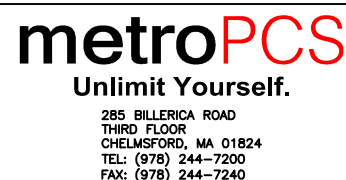
CALL



BEFORE YOU DIG

CALL TOLL FREE 811 OR 888-DIG-SAFE

**UNDERGROUND SERVICE ALERT**



**SITE NUMBER: HFC1536A**  
**SITE NAME: ATC E.HARTFORD MONOPOLE**  
 310 PRESTIGE PARK ROAD  
 EAST HARTFORD, CT 06108  
 HARTFORD COUNTY

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	08/20/14	ISSUED FOR CONSTRUCTION	JTG	SNA	SNA
0	08/12/14	ISSUED FOR REVIEW	JTG	SNA	SNA
SCALE: AS SHOWN		DESIGNED BY: SNA	DRAWN BY: JTG		

**MetroPCS**

TITLE SHEET

JOB NUMBER	DRAWING NUMBER	REV
HFC1536A	T-1	1



## GENERAL NOTES

1. THE CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES BEARING ON THE PERFORMANCE OF THE WORK. THE WORK PERFORMED ON THE PROJECT AND THE MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.

2. THE ARCHITECT/ENGINEER HAVE MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR BIDDING THE JOB IS NEVERTHELESS CAUTIONED THAT MINOR OMISSIONS OR ERRORS IN THE DRAWINGS AND OR SPECIFICATIONS SHALL NOT EXCUSE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.

3. THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE LESEE/LICENEE REPRESENTATIVE OF ANY CONFLICTS, ERRORS, OR OMISSIONS PRIOR TO THE SUBMISSION OF CONTRACTOR'S PROPOSAL OR PERFORMANCE OF WORK. IN THE EVENT OF DISCREPANCIES THE CONTRACTOR SHALL PRICE THE MORE COSTLY OR EXTENSIVE WORK, UNLESS DIRECTED IN WRITING OTHERWISE.

4. THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORK/PROJECT AS DESCRIBED HEREIN.

5. THE CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO THE SUBMISSION OF BIDS OR PERFORMING WORK TO FAMILIARIZE HIMSELF WITH THE FIELD CONDITIONS AND TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

6. THE CONTRACTOR SHALL OBTAIN AUTHORIZATION TO PROCEED WITH CONSTRUCTION PRIOR TO STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED BY THE CONSTRUCTION DRAWINGS / CONTRACT DOCUMENTS.

7. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS ACCORDING TO THE MANUFACTURER'S / VENDOR'S SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.

8. THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPDATED WITH THE LATEST REVISIONS AND ADDENDUMS OR CLARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.

9. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS, ESTABLISHING AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS AS SHOWN HEREIN.

11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.

12. THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, EASEMENTS, PAVING, CURBING, ETC. DURING CONSTRUCTION. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE THAT MAY HAVE OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.

13. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAN AND HAZARD FREE DURING CONSTRUCTION AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. PREMISES SHALL BE LEFT IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST, OR SMUDGES OF ANY NATURE.

14. THE CONTRACTOR SHALL COMPLY WITH ALL OSHA REQUIREMENTS AS THEY APPLY TO THIS PROJECT.

15. THE CONTRACTOR SHALL NOTIFY THE LESEE/LICENEE REPRESENTATIVE WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE WORK THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED BY THE LESEE/LICENEE REPRESENTATIVE.

16. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.

17. ALL UNDERGROUND UTILITY INFORMATION WAS DETERMINED FROM SURFACE INVESTIGATIONS AND EXISTING PLANS OF RECORD. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND UTILITIES IN THE FIELD PRIOR TO ANY SITE WORK. CALL THE FOLLOWING FOR ALL PRE-CONSTRUCTION NOTIFICATION 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY: DIG SAFE SYSTEM (MA, ME, NH, RI, VT): 1-888-344-7233 CALL BEFORE YOU DIG (CT): 1-800-922-4455

18. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY CONSTRUCTION CONTROL SURVEYS AND MAINTAINING ALL LINES AND GRADES REQUIRED TO CONSTRUCT ALL IMPROVEMENTS SHOWN HEREIN.

19. ALL DIMENSIONS SHOWN THUS ± ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS WHICH EFFECT THE CONTRACTORS WORK. CONTRACTOR TO VERIFY ALL DIMENSIONS WITH PROJECT OWNER PRIOR TO CONSTRUCTION.

20. NORTH ARROW SHOWN ON PLANS REFERS TO APPROXIMATE TRUE NORTH. PRIOR TO THE START OF CONSTRUCTION, ORDERING OR FABRICATING OF ANTENNA MOUNTS, CONTRACTOR SHALL CONSULT WITH PROJECT OWNER'S RF ENGINEER AND FIELD VERIFY ALL ANTENNA SECTOR LOCATIONS AND ANTENNA AZIMUTHS.

21. THE CONTRACTOR AND OR HIS SUB CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS WHICH MAY BE REQUIRED FOR THE WORK BY THE ARCHITECT/ENGINEER, THE STATE, COUNTY OR LOCAL GOVERNMENT AUTHORITY.

22. ANTENNA INSTALLATION SHALL BE CONDUCTED BY FIELD CREWS EXPERIENCED IN THE ASSEMBLY AND ERECTION OF RADIO ANTENNAS, TRANSMISSION LINES AND SUPPORT STRUCTURES.

23. COAXIAL CABLE CONNECTORS AND TRANSMITTER EQUIPMENT SHALL BE PROVIDED BY THE PROJECT OWNER AND IS NOT INCLUDED IN THESE CONSTRUCTION DOCUMENTS. A SCHEDULE OF PROJECT OWNER SUPPLIED MATERIALS IS ATTACHED TO THE BID DOCUMENTS (SEE EXHIBIT 3). ALL OTHER HARDWARE TO BE PROVIDED BY THE CONTRACTOR. CONNECTION HARDWARE SHALL BE STAINLESS STEEL.

24. WHEN "PAINT TO MATCH" IS SPECIFIED FOR ANTENNA CONCEALMENT, PAINT PRODUCT FOR ANTENNA RADOME SHALL BE SHERWIN WILLIAMS COROTHANE II. SURFACE PREPARATION AND APPLICATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND PROJECT OWNER'S GUIDELINE'S.

25. COORDINATION, LAYOUT, AND FURNISHING OF CONDUIT, CABLE AND ALL APPURTENANCES REQUIRED FOR PROPER INSTALLATION OF ELECTRICAL AND TELECOMMUNICATION SERVICE SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

26. ALL UTILITY WORK SHALL BE IN ACCORDANCE WITH LOCAL UTILITY COMPANY REQUIREMENTS AND SPECIFICATIONS.

27. ALL (E)ACTIVE SEWER, WATER, GAS, ELECTRIC, AND OTHER UTILITIES WHERE ENCOUNTERED IN THE WORK, SHALL BE PROTECTED AT ALL TIMES, AND WHERE REQUIRED FOR THE PROPER EXECUTION OF THE WORK, SHALL BE RELOCATED AS DIRECTED BY ENGINEERS. EXTREME CAUTION SHOULD BE USED BY THE CONTRACTOR WHEN EXCAVATING OR PIER DRILLING AROUND OR NEAR UTILITIES. CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW.

28. ALL (E)INACTIVE SEWER, WATER, GAS, ELECTRIC AND OTHER UTILITIES, WHICH INTERFERE WITH THE EXECUTION OF THE WORK, SHALL BE REMOVED AND/OR CAPPED, PLUGGED OR OTHERWISE DISCONTINUED AT POINTS WHICH WILL NOT INTERFERE WITH THE EXECUTION OF THE WORK, SUBJECT TO THE APPROVAL OF UTILITY COMPANY ENGINEERING. THE AREAS OF THE PROPERTY DISTURBED BY THE WORK AND NOT COVERED BY THE EQUIPMENT, DRIVEWAY OR

29. GRAVEL, SHALL BE GRADED TO A UNIFORM SLOPE, FERTILIZED, SEEDED AND COVERED WITH MULCH UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN SOIL EROSION AND SEDIMENTATION CONTROLS AT ALL TIMES

30. DURING CONSTRUCTION. PER FCC MANDATE, ENHANCED EMERGENCY (E911) SERVICE IS REQUIRED TO MEET NATIONWIDE STANDARDS

31. FOR WIRELESS COMMUNICATIONS SYSTEMS. PROJECT OWNER'S IMPLEMENTATION REQUIRES DEPLOYMENT OF EQUIPMENT AND ANTENNAS GENERALLY DEPICTED ON THIS PLAN, ATTACHED TO OR MOUNTED IN CLOSE PROXIMITY TO THE BTS RADIO CABINETS. PROJECT OWNER RESERVES THE RIGHT TO MAKE REASONABLE MODIFICATIONS TO E911 EQUIPMENT AND LOCATION AS TECHNOLOGY EVOLVES TO MEET REQUIRED SPECIFICATIONS.

32. APPLICABLE BUILDING CODES: SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN

BUILDING CODE:  
2009 INTERNATIONAL BUILDING CODE  
2005 CT STATE BUILDING CODE  
ELECTRICAL CODE: NEC 2014  
LIGHTING CODE: NEC 2014

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:

AMERICAN CONCRETE INSTITUTE (ACI) 318; BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION;

TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-G, STRUCTURAL STANDARDS FOR STEEL

ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

## ELECTRICAL AND GROUNDING NOTES

1. ALL ELECTRICAL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS APPLICABLE STATE AND LOCAL CODES.

2. ALL ELECTRICAL ITEMS SHALL BE U.L. APPROVED OR LISTED AND PROCURED PER SPECIFICATION REQUIREMENTS.

3. THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATION INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.

4. GENERAL CONTRACTOR SHALL PAY FEES FOR PERMITS, AND IS RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.

5. ELECTRICAL AND TELCO WIRING OUTSIDE A BUILDING AND EXPOSED TO WEATHER SHALL BE IN WATER TIGHT GALVANIZED RIGID STEEL CONDUITS OR SCHEDULE 80 PVC (AS PERMITTED BY CODE) AND WHERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUITS.

6. BURIED CONDUIT SHALL BE SCHEDULE 40 PVC.

7. ELECTRICAL WIRING SHALL BE COPPER WITH TYPE XHHW, THWN, OR THHN INSULATION.

8. RUN ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE PPC AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE. COORDINATE INSTALLATION WITH UTILITY COMPANY.

9. RUN TELCO CONDUIT OR CABLE BETWEEN TELEPHONE UTILITY DEMARCATION POINT AND PROJECT OWNER CELL SITE TELCO CABINET AND BTS CABINET AS INDICATED ON THIS DRAWING. PROVIDE FULL LENGTH PULL ROPE AND GREENLEE CONDUIT MEASURING TAPE IN EACH INSTALLED TELCO CONDUIT.

10. WHERE CONDUIT BETWEEN BTS AND PROJECT OWNER CELL SITE PPC AND BETWEEN BTS AND PROJECT OWNER CELL SITE TELCO SERVICE CABINET ARE UNDERGROUND USE PVC, SCHEDULE 40 CONDUIT. ABOVE THE GROUND PORTION OF THESE CONDUITS SHALL BE PVC CONDUIT.

11. ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE NEMA 3R ENCLOSURE.

12. PPC SUPPLIED BY PROJECT OWNER.

13. GROUNDING SHALL COMPLY WITH NEC ART. 250. ADDITIONALLY, GROUNDING, BONDING AND LIGHTNING PROTECTION SHALL BE DONE IN ACCORDANCE WITH "T-MOBILE BTS SITE GROUNDING STANDARDS".

14. GROUND COAXIAL CABLE SHIELDS MINIMUM AT BOTH ENDS USING MANUFACTURERS COAX CABLE GROUNDING KITS SUPPLIED BY PROJECT OWNER.

15. USE #6 COPPER STRANDED WIRE WITH GREEN COLOR INSULATION FOR ABOVE GRADE GROUNDING (UNLESS OTHERWISE SPECIFIED) AND #2 SOLID TINNED BARE COPPER WIRE FOR BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.

16. ALL GROUND CONNECTIONS TO BE BURNDY HYGROUND COMPRESSION TYPE CONNECTORS OR CADWELD EXOTHERMIC WELD. DO NOT ALLOW BARE COPPER WIRE TO BE IN CONTACT WITH GALVANIZED STEEL.

17. ROUTE GROUNDING CONDUCTORS ALONG THE SHORTEST AND STRAIGHTEST PATH POSSIBLE, EXCEPT AS OTHERWISE INDICATED. GROUNDING LEADS SHOULD NEVER BE BENT AT RIGHT ANGLE. ALWAYS MAKE AT LEAST 12" RADIUS BENDS. #6 WIRE CAN BE BENT AT 6" RADIUS WHEN NECESSARY. BOND ANY METAL OBJECTS WITHIN 6 FEET OF PROJECT OWNER EQUIPMENT OR CABINET TO MASTER GROUND BAR OR GROUNDING RING.

18. CONNECTIONS TO GROUND BARS SHALL BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LUGS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.

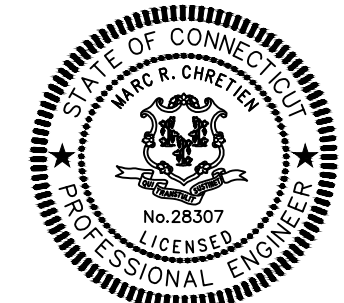
19. BOND ANTENNA MOUNTING BRACKETS, COAXIAL CABLE GROUND KITS, AND ALNA TO EGB PLACED NEAR THE ANTENNA LOCATION.

20. APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.

21. CONTRACTOR SHALL PROVIDE AND INSTALL OMNI DIRECTIONAL ELECTRONIC MARKER SYSTEM (EMS) BALLS OVER EACH GROUND ROD AND BONDING POINT BETWEEN EXISTING TOWER/ (E) MONOPOLE GROUNDING RING AND EQUIPMENT GROUNDING RING.

22. CONTRACTOR SHALL TEST COMPLETED GROUND SYSTEM AND RECORD RESULTS FOR PROJECT CLOSE-OUT DOCUMENTATION. 5 OHMS MAXIMUM RESISTANCE REQUIRED.

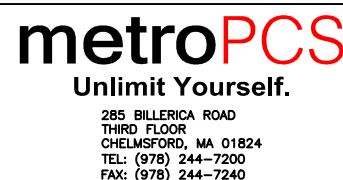
23. CONTRACTOR SHALL CONDUCT ANTENNA, COAX, AND LNA RETURN-LOSS AND DISTANCE- TO-FAULT MEASUREMENTS (SWEEP TESTS) AND RECORD RESULTS FOR PROJECT CLOSE OUT.



*Marc R. Chretien*

## ABBREVIATIONS

AGL	ABOVE GRADE LEVEL	G.C.	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
AWG	AMERICAN WIRE GAUGE	MGB	MASTER GROUND BUS		
BCW	BARE COPPER WIRE	MIN	MINIMUM	TBD	TO BE DETERMINED
BTS	BASE TRANSCEIVER STATION	(P)	PROPOSED/NEW	TBR	TO BE REMOVED
(E)	EXISTING	N.T.S.	NOT TO SCALE	TBR	TO BE REMOVED AND REPLACED
EG	EQUIPMENT GROUND	REF	REFERENCE		
EGR	EQUIPMENT GROUND RING	REQ	REQUIRED	TYP	TYPICAL
(F)	FUTURE				



**SITE NUMBER: HFC1536A**  
**SITE NAME: ATC E.HARTFORD MONOPOLE**  
310 PRESTIGE PARK ROAD  
EAST HARTFORD, CT 06108  
HARTFORD COUNTY

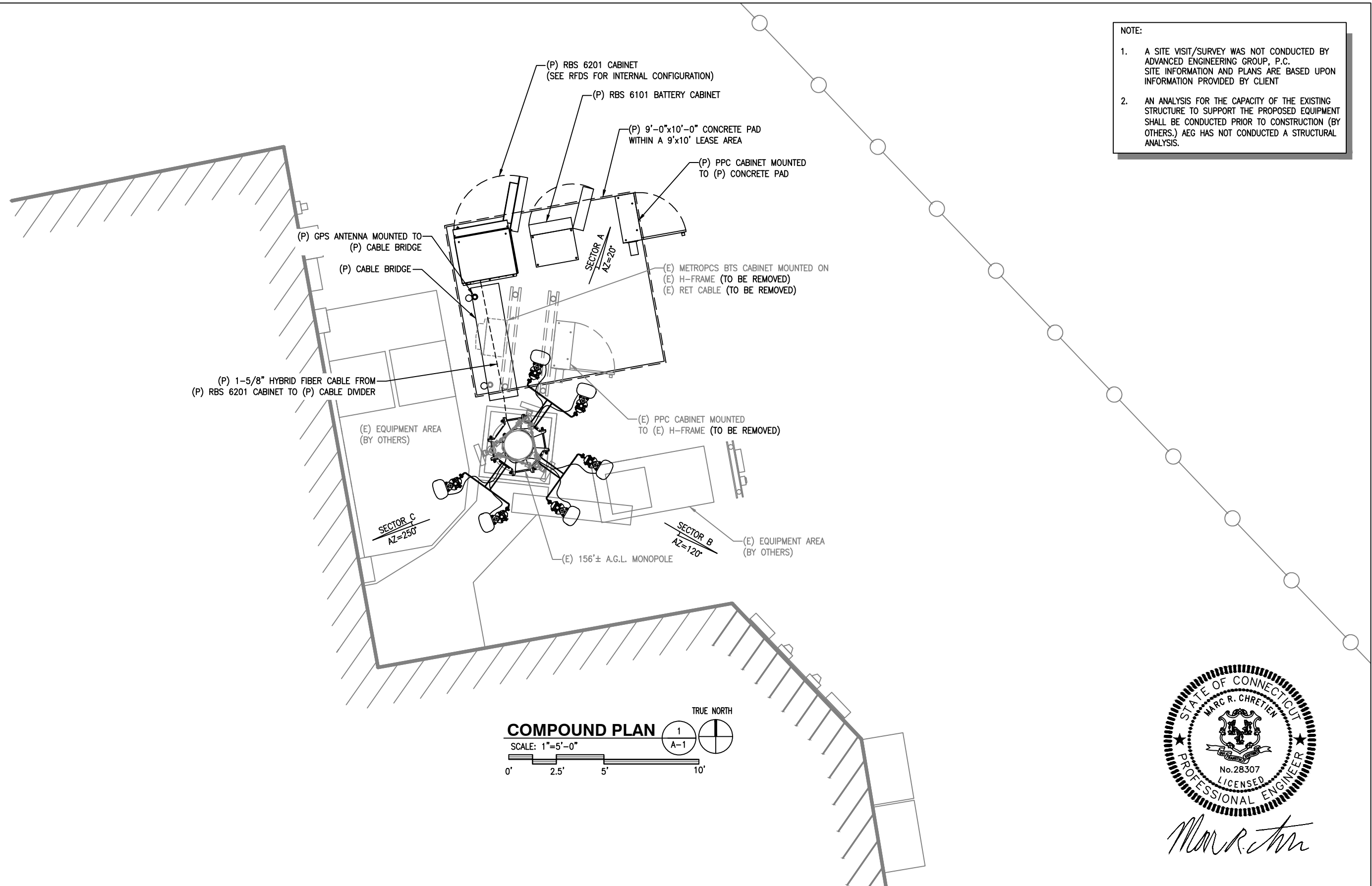
1	08/20/14	ISSUED FOR CONSTRUCTION	JTG	SNA	SNA
0	08/12/14	ISSUED FOR REVIEW	JTG	SNA	SNA
NO.	DATE	REVISIONS	BY	CHK	APP'D
		SCALE: AS SHOWN	DESIGNED BY: SNA	DRAWN BY: JTG	

**MetroPCS**

GN-1

JOB NUMBER	DRAWING NUMBER	REV
HFC1536A	GENERAL NOTES	1

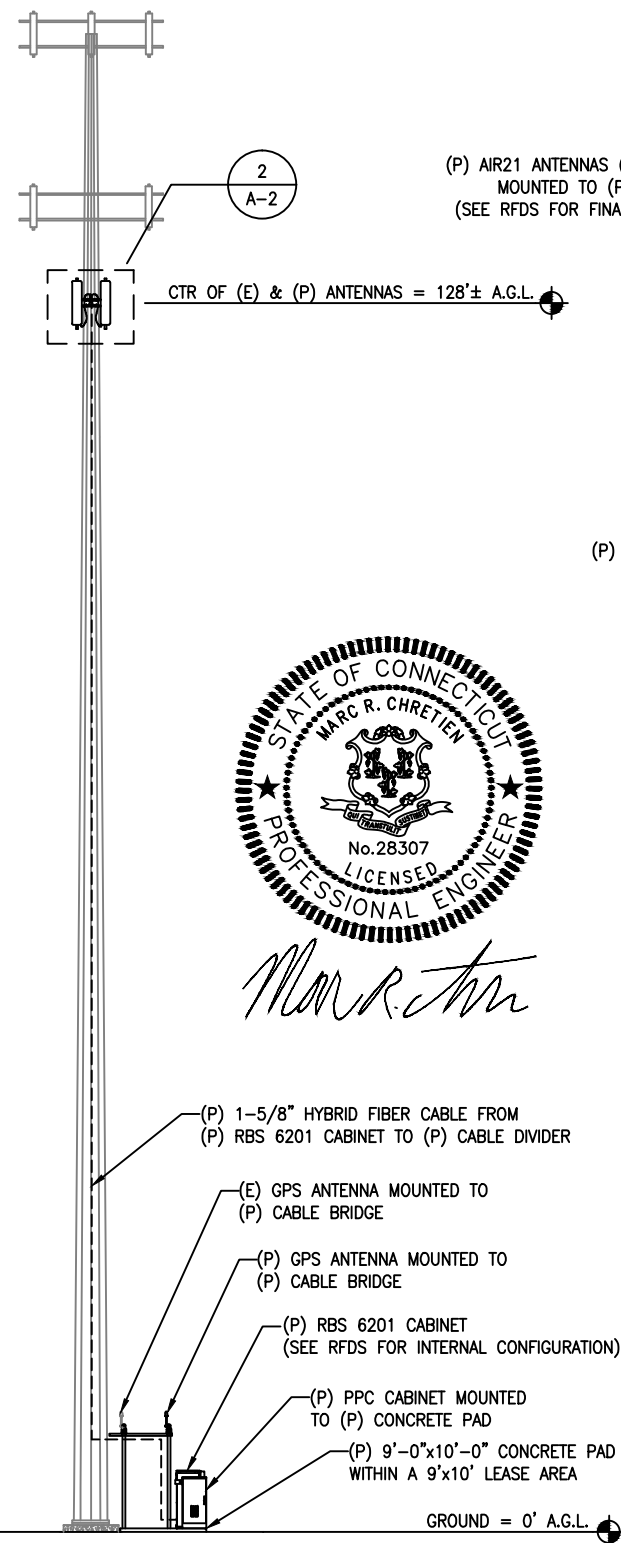
- NOTE:
1. A SITE VISIT/SURVEY WAS NOT CONDUCTED BY ADVANCED ENGINEERING GROUP, P.C. SITE INFORMATION AND PLANS ARE BASED UPON INFORMATION PROVIDED BY CLIENT
  2. AN ANALYSIS FOR THE CAPACITY OF THE EXISTING STRUCTURE TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE CONDUCTED PRIOR TO CONSTRUCTION (BY OTHERS.) AEG HAS NOT CONDUCTED A STRUCTURAL ANALYSIS.



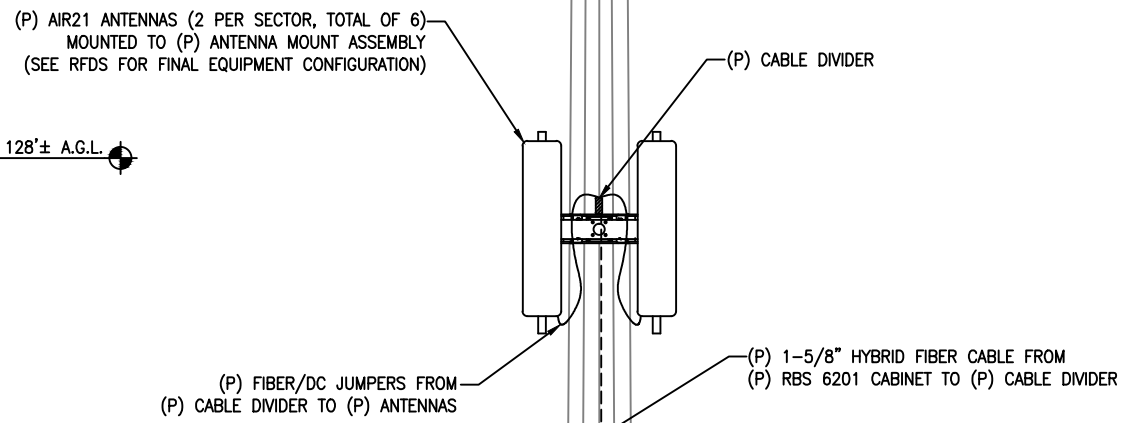
*Marc R. Chretien*

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	08/20/14	ISSUED FOR CONSTRUCTION	JTG	SNA	SNA
0	08/12/14	ISSUED FOR REVIEW	JTG	SNA	SNA

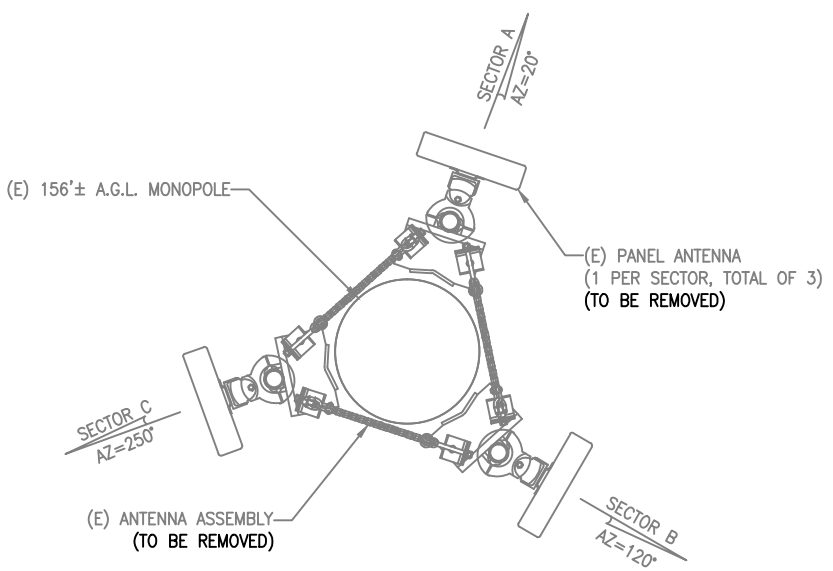
SCALE: AS SHOWN    DESIGNED BY: SNA    DRAWN BY: JTG



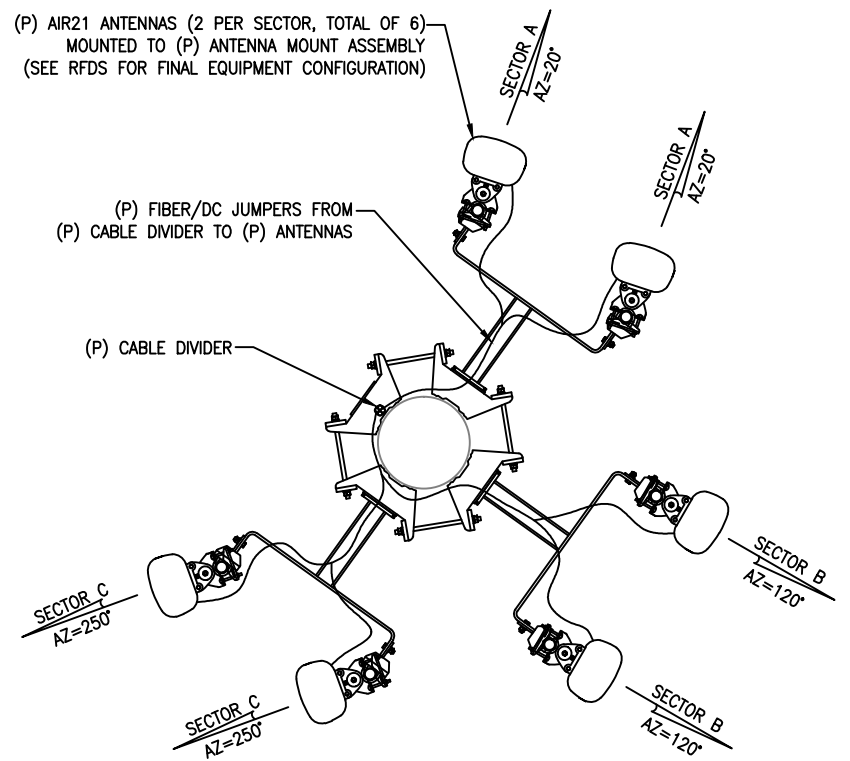
**ELEVATION** 1  
A-2  
SCALE: 1"=10'-0"



**ENLARGED ELEVATION** 2  
A-2  
SCALE: 1"=5'-0"



**EXISTING ANTENNA PLAN** 3  
A-2  
SCALE: N.T.S.

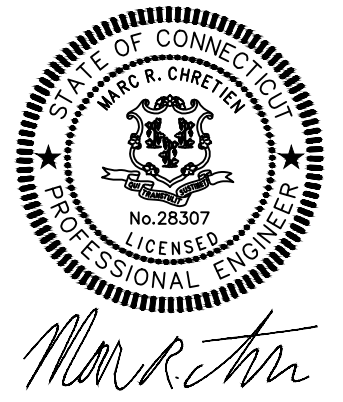


**PROPOSED ANTENNA PLAN** 4  
A-2  
SCALE: N.T.S.

EXISTING ANTENNA SCHEDULE			
SECTOR	MAKE	MODEL#	SIZE (INCHES)
SECTOR A:	RFS	APXV18-206517S	6.65x3.15x72
SECTOR B:	RFS	APXV18-206517S	6.65x3.15x72
SECTOR C:	RFS	APXV18-206517S	6.65x3.15x72

PROPOSED ANTENNA SCHEDULE			
SECTOR	MAKE	MODEL#	SIZE (INCHES)
SECTOR A:	ERICSSON	AIR21 B2A/B4P	12X8X56
	ERICSSON	AIR21 B4A/B2P	12X8X56
SECTOR B:	ERICSSON	AIR21 B2A/B4P	12X8X56
	ERICSSON	AIR21 B4A/B2P	12X8X56
SECTOR C:	ERICSSON	AIR21 B2A/B4P	12X8X56
	ERICSSON	AIR21 B4A/B2P	12X8X56

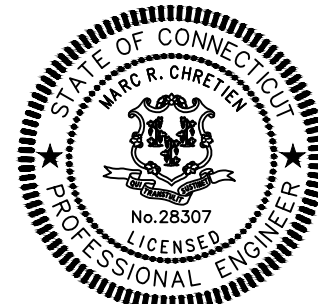


*Marc R. Chretien*

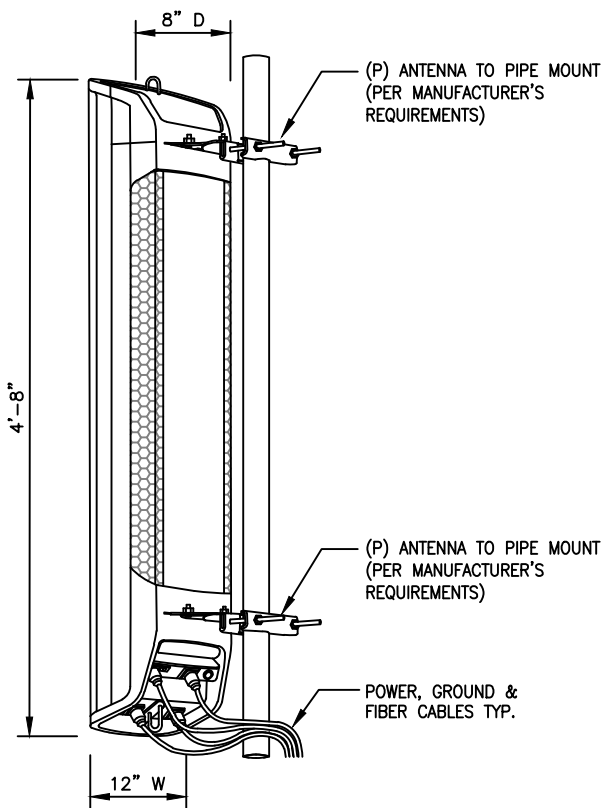
NO.	DATE	REVISIONS	BY	CHK	APP'D
1	08/20/14	ISSUED FOR CONSTRUCTION	JTG	SNA	SNA
0	08/12/14	ISSUED FOR REVIEW	JTG	SNA	SNA

SCALE: AS SHOWN    DESIGNED BY: SNA    DRAWN BY: JTG





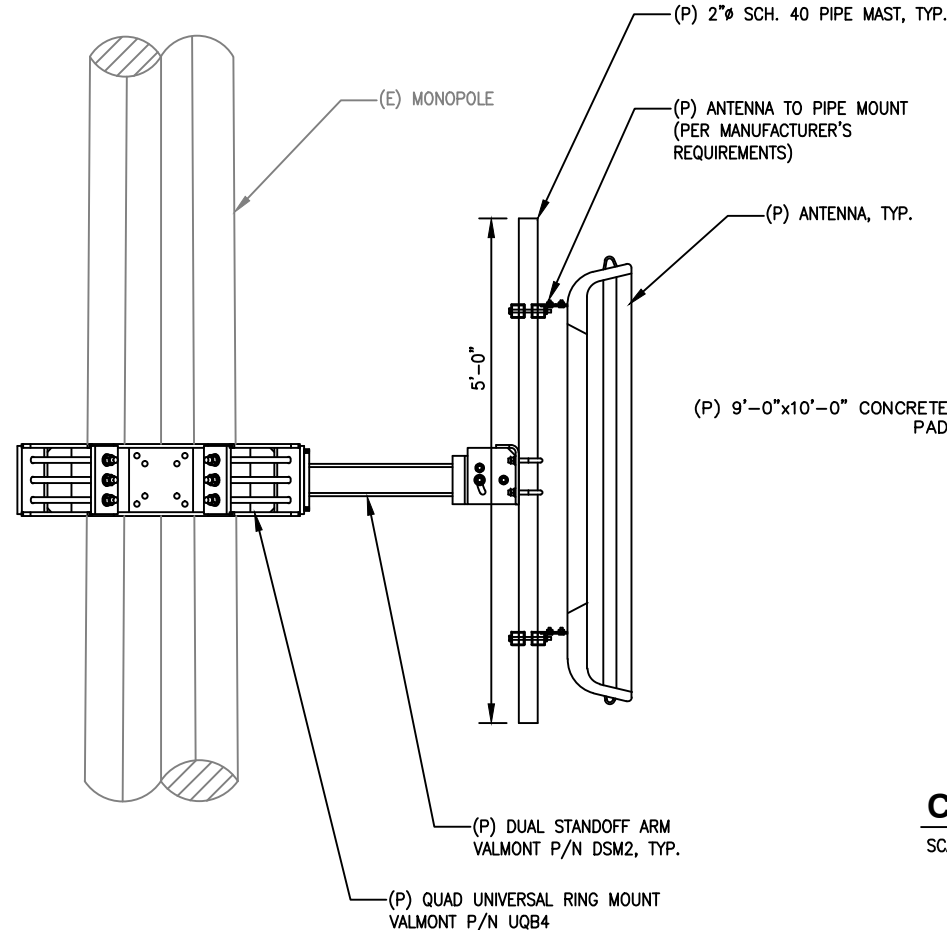
*Marc R. Chretien*



**AIR21 ANTENNA TYP.**

SCALE: N.T.S.

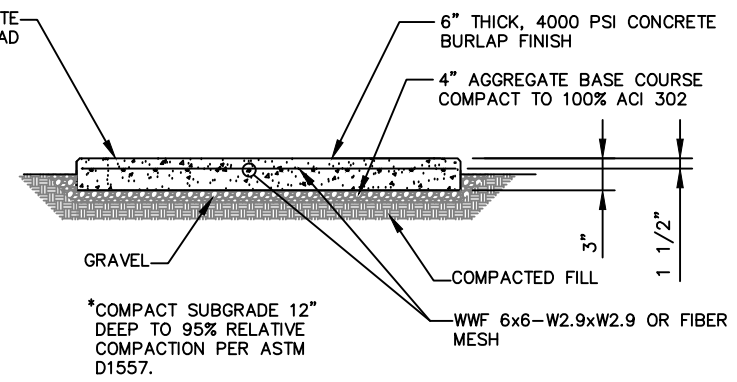
1  
A-3



**ANTENNA MOUNT**

SCALE: N.T.S.

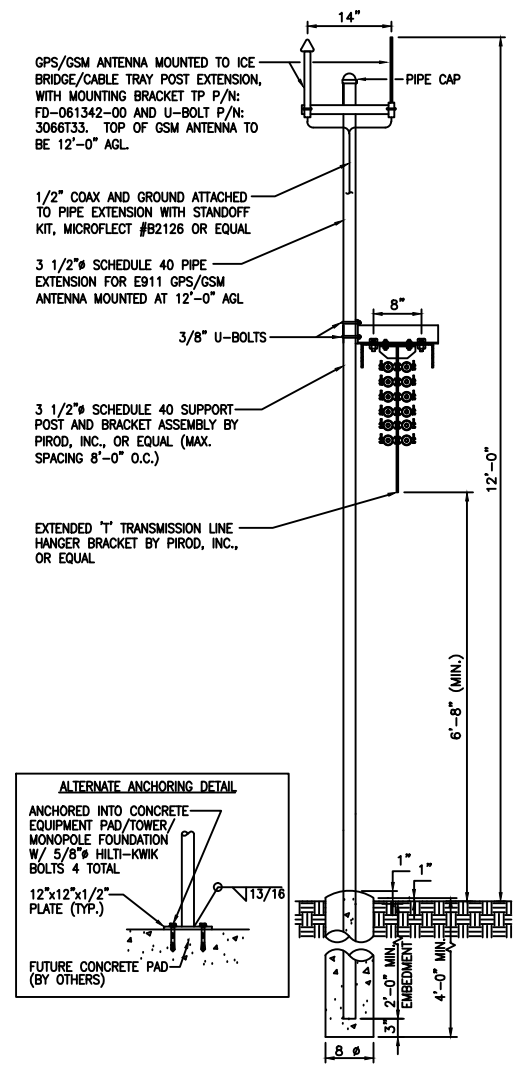
2  
A-3



**CONCRETE PAD DETAIL**

SCALE: N.T.S.

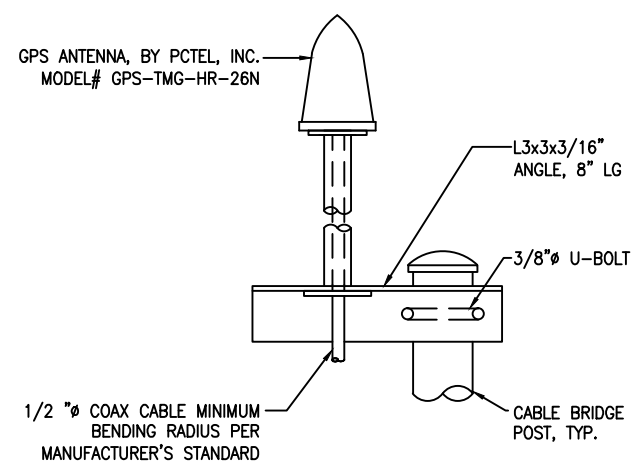
3  
A-3



**SECTION AT ICE BRIDGE**

SCALE: N.T.S.

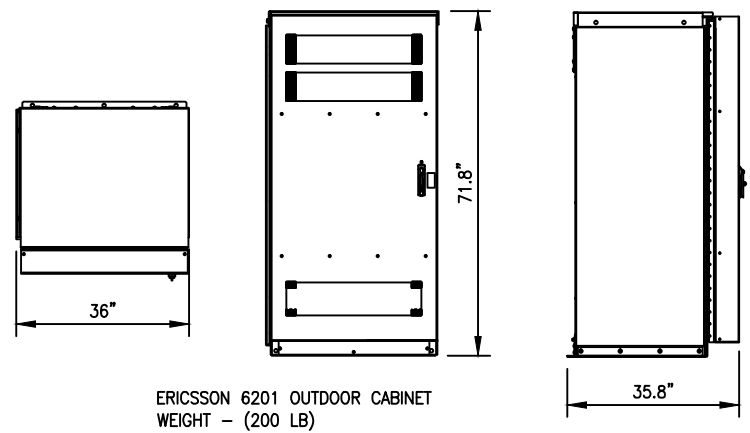
4  
A-3



**GPS MOUNTING DETAILS**

SCALE: N.T.S.

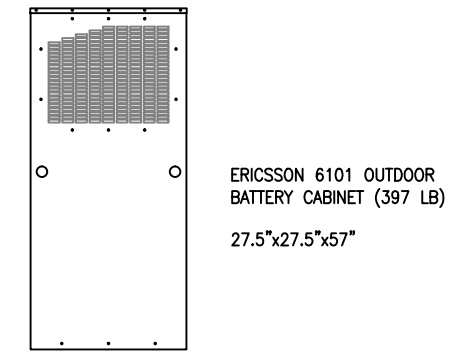
5  
A-3



**RBS 6201 CABINET DETAIL**

SCALE: N.T.S.

6  
A-3



**RBS 6101 BATTERY CABINET**

SCALE: N.T.S.

7  
A-3

**EG ADVANCED**  
ENGINEERING GROUP, P.C.  
Civil Engineering - Site Development Surveying - Telecommunications  
500 NORTH BROADWAY EAST PROVIDENCE, RI 02914  
PH: (401) 354-2403  
FAX: (401) 633-6354

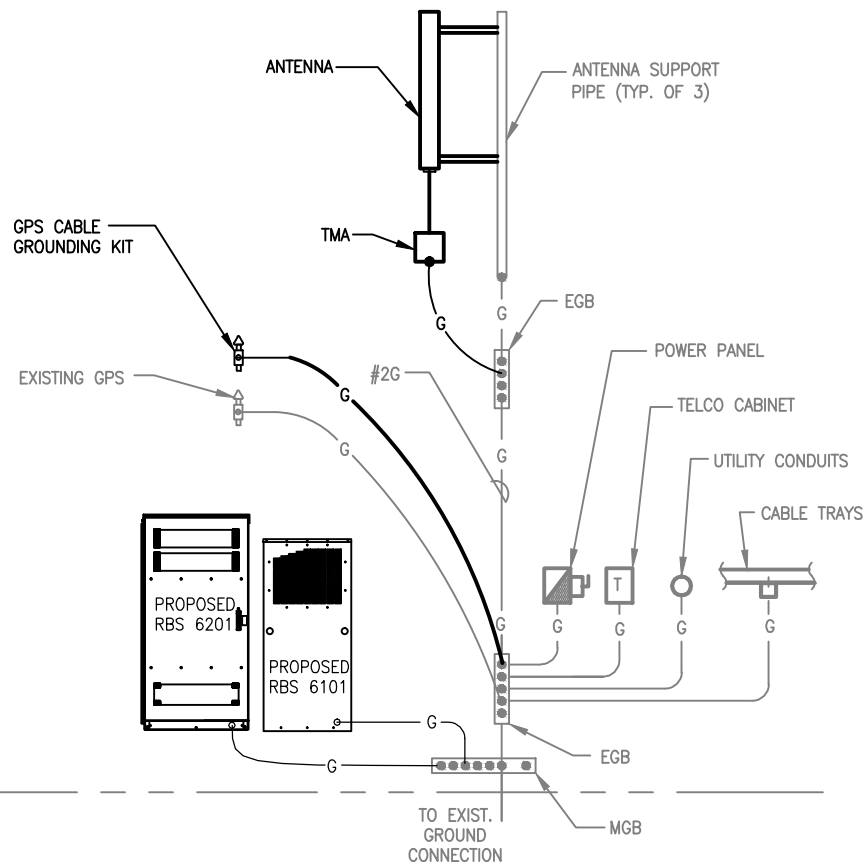
**metroPCS**  
Unlimit Yourself.  
285 BILLERICA ROAD  
THIRD FLOOR  
CHELMSFORD, MA 01824  
TEL: (978) 244-7200  
FAX: (978) 244-7240

**SITE NUMBER: HFC1536A**  
**SITE NAME: ATC E.HARTFORD MONOPOLE**  
310 PRESTIGE PARK ROAD  
EAST HARTFORD, CT 06108  
HARTFORD COUNTY

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	08/20/14	ISSUED FOR CONSTRUCTION	JTG	SNA	SNA
0	08/12/14	ISSUED FOR REVIEW	JTG	SNA	SNA
SCALE: AS SHOWN		DESIGNED BY: SNA	DRAWN BY: JTG		

**MetroPCS**  
DETAILS  
JOB NUMBER: HFC1536A  
DRAWING NUMBER: A-3  
REV: 1





**GROUNDING RISER DIAGRAM**  
SCALE: N.T.S.

1  
G-1

NOTE:  
1. A SITE VISIT/SURVEY WAS NOT CONDUCTED BY ADVANCED ENGINEERING GROUP, P.C. SITE INFORMATION AND PLANS ARE BASED UPON INFORMATION PROVIDED BY CLIENT CONTRACTOR TO VERIFY IN FIELD

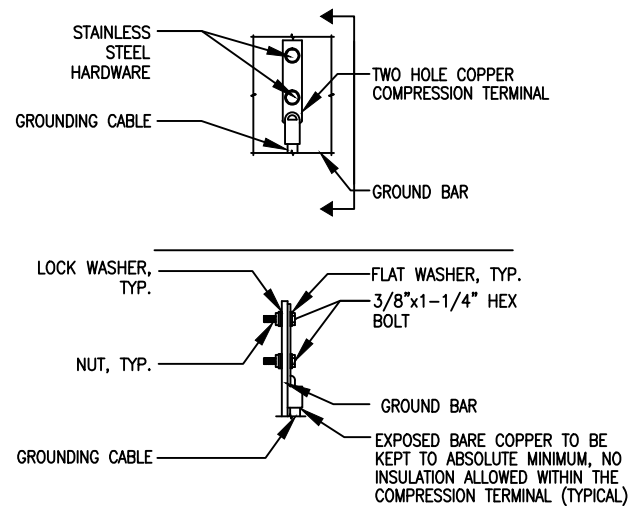


*Marc R. Chretien*

**HYBRID CABLE CONNECTION & GROUNDING DETAIL**

SCALE: N.T.S.

4  
G-1

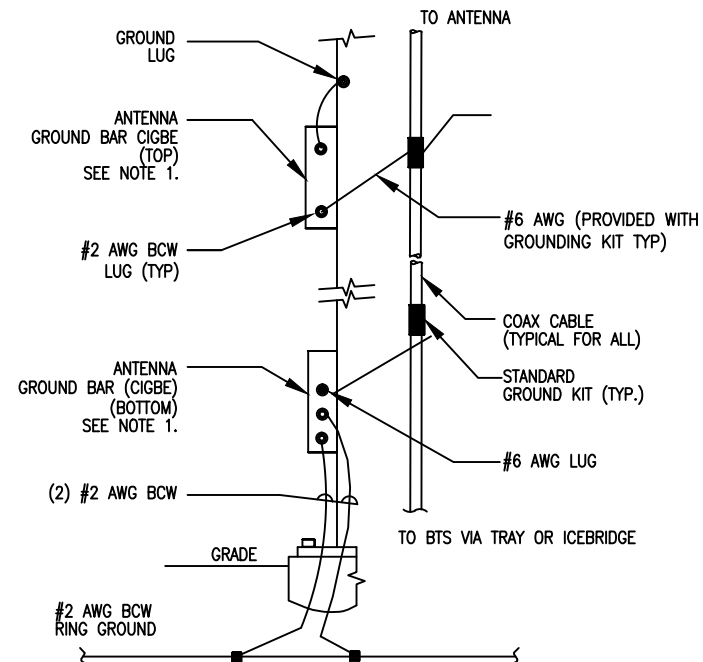


- NOTES:  
1. "DOUBLING UP" OR "STACKING" OF CONNECTION IS NOT PERMITTED.  
2. OXIDE INHIBITING COMPOUND TO BE USED AT ALL LOCATIONS.  
3. CADWELD DOWNLEADS FROM UPPER EGB, LOWER EGB, AND MGB.  
4. ALL GROUND LUGS MUST BE HEAT SHRUNK AT WIRE/LUG CONNECTION

**TYP. GROUND BAR CONNECTION DETAIL**

SCALE: N.T.S.

2  
G-1

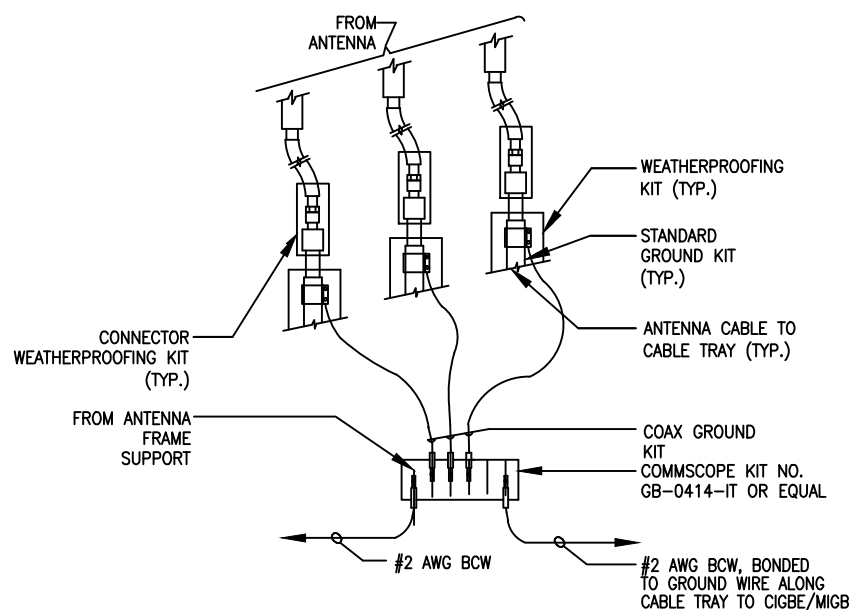


- NOTE:  
1. NUMBER OF GROUND BARS MAY VARY DEPENDING ON THE TYPE OF TOWER, ANTENNA LOCATION AND CONNECTION ANTENNA LOCATION AND CONNECTION ORIENTATION. PROVIDE AS REQUIRED.  
2. A SEPARATE GROUND BAR TO BE USED FOR GPS ANTENNA IF REQUIRED.

**ANTENNA CABLE GROUNDING**

SCALE: N.T.S.

3  
G-1

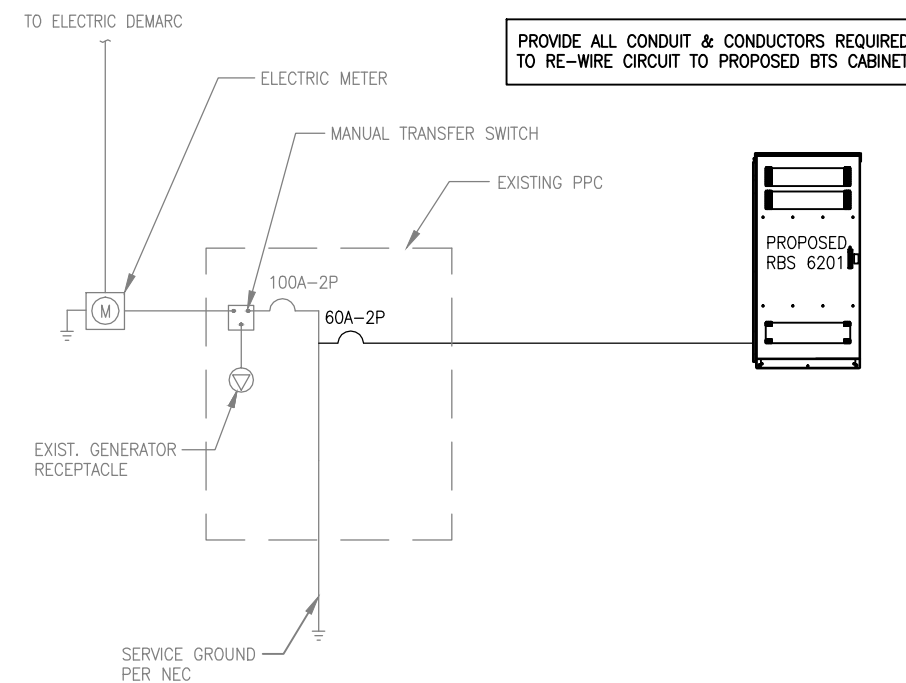


- NOTE:  
1. DO NOT INSTALL CABLE GROUND KIT AT A BEND AND ALWAYS DIRECT GROUND WIRE DOWN TO CIGBE.

**GROUND WIRE TO GROUND BAR CONNECTION DETAIL**

SCALE: N.T.S.

5  
G-1



PROVIDE ALL CONDUIT & CONDUCTORS REQUIRED TO RE-WIRE CIRCUIT TO PROPOSED BTS CABINET

**ONE-LINE POWER DIAGRAM**

SCALE: N.T.S.

6  
G-1

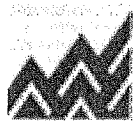
HALF SIZE PRINT  
THIS DRAWING IS SCALEABLE  
AT TWICE THE NOTED SCALE

NO.	DATE	REVISIONS	BY	CHK	APP'D
1	08/20/14	ISSUED FOR CONSTRUCTION	JTG	SNA	SNA
0	08/12/14	ISSUED FOR REVIEW	JTG	SNA	SNA

SCALE: AS SHOWN  
DESIGNED BY: SNA  
DRAWN BY: JTG

## Exhibit 2

### Power Density Calculation



# EBI Consulting

environmental | engineering | due diligence

---

## RADIO FREQUENCY EMISSIONS ANALYSIS REPORT EVALUATION OF HUMAN EXPOSURE POTENTIAL TO NON-IONIZING EMISSIONS

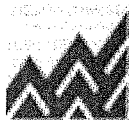
MetroPCS Existing Facility

Site ID: CTHA515A

ATC East Hartford Monopole  
310 Prestige Park Road  
East Hartford, CT 06108

**September 1, 2014**

Site Compliance Summary	
Compliance Status:	<b>COMPLIANT</b>
Site total MPE% of FCC general public allowable limit:	<b>31.88 %</b>



# EBI Consulting

environmental | engineering | due diligence

September 1, 2014

MetroPCS USA  
Attn: Jason Overbey, RF Manager  
35 Griffin Road South  
Bloomfield, CT 06002

## Emissions Analysis for Site: CTHA515A – ATC East Hartford Monopole

EBI Consulting was directed to analyze the proposed MetroPCS facility located at **310 Prestige Park Road, East Hartford, CT**, for the purpose of determining whether the emissions from the Proposed MetroPCS Antenna Installation located on this property are within specified federal limits.

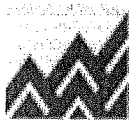
All information used in this report was analyzed as a percentage of current Maximum Permissible Exposure (% MPE) as listed in the FCC OET Bulletin 65 Edition 97-01 and ANSI/IEEE Std C95.1. The FCC regulates Maximum Permissible Exposure in units of microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). The number of  $\mu\text{W}/\text{cm}^2$  calculated at each sample point is called the power density. The exposure limit for power density varies depending upon the frequencies being utilized. Wireless Carriers and Paging Services use different frequency bands each with different exposure limits, therefore it is necessary to report results and limits in terms of percent MPE rather than power density.

All results were compared to the FCC (Federal Communications Commission) radio frequency exposure rules, 47 CFR 1.1307(b)(1) – (b)(3), to determine compliance with the Maximum Permissible Exposure (MPE) limits for General Population/Uncontrolled environments as defined below.

General population/uncontrolled exposure limits apply to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Therefore, members of the general public would always be considered under this category when exposure is not employment related, for example, in the case of a telecommunications tower that exposes persons in a nearby residential area.

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). The general population exposure limit for both the PCS and AWS bands is 1000  $\mu\text{W}/\text{cm}^2$ . Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.





Occupational/controlled exposure limits apply to situations in which persons are exposed as a consequence of their employment and in which those persons who are exposed have been made fully aware of the potential for exposure and can exercise control over their exposure. Occupational/controlled exposure limits also apply where exposure is of a transient nature as a result of incidental passage through a location where exposure levels may be above general population/uncontrolled limits (see below), as long as the exposed person has been made fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Additional details can be found in FCC OET 65.

## CALCULATIONS

Calculations were done for the proposed MetroPCS Wireless antenna facility located at **310 Prestige Park Road, East Hartford, CT**, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. Since MetroPCS is proposing highly focused directional panel antennas, which project most of the emitted energy out toward the horizon, all calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was focused at the base of the tower. For this report the sample point is the top of a 6 foot person standing at the base of the tower.

For all calculations, all equipment was calculated using the following assumptions:

- 1) 2 GSM channels (PCS Band - 1900 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel
- 2) 2 UMTS channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 30 Watts per Channel.
- 3) 2 LTE channels (AWS Band – 2100 MHz) were considered for each sector of the proposed installation. These Channels have a transmit power of 60 Watts per Channel.
- 4) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.



# EBI Consulting

environmental | engineering | due diligence

---

- 5) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufactures supplied specifications minus 10 dB was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 6) The antennas used in this modeling are the **Ericsson AIR21 B4A/B2P** for 1900 MHz (PCS) and 2100 MHz (AWS) channels. This is based on feedback from the carrier with regards to anticipated antenna selection. The **Ericsson AIR21 B4A/B2P** has a maximum gain of **15.9 dBi** at its main lobe. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 7) The antenna mounting height centerline of the proposed antennas is **128 feet** above ground level (AGL).
- 8) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

All calculations were done with respect to uncontrolled / general public threshold limits.



# EBI Consulting

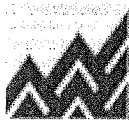
environmental | engineering | due diligence

## MetroPCS Site Inventory and Power Data

Sector:	A	Sector:	B	Sector:	C
Antenna #:	1	Antenna #:	1	Antenna #:	1
Make / Model:	Ericsson AIR21 B4A/B2P	Make / Model:	Ericsson AIR21 B4A/B2P	Make / Model:	Ericsson AIR21 B4A/B2P
Gain:	15.9 dBd	Gain:	15.9 dBd	Gain:	15.9 dBd
Height (AGL):	128	Height (AGL):	128	Height (AGL):	128
Frequency Bands:	1900 MHz(PCS) / 2100 MHz (AWS)	Frequency Bands:	1900 MHz(PCS) / 2100 MHz (AWS)	Frequency Bands:	1900 MHz(PCS) / 2100 MHz (AWS)
Channel Count:	2	Channel Count:	2	# PCS Channels:	2
Total TX Power:	120	Total TX Power:	120	# AWS Channels:	120
ERP (W):	1,906.06	ERP (W):	1,906.06	ERP (W):	1,906.06
Antenna A1 MPE%:	1.13	Antenna B1 MPE%:	1.13	Antenna C1 MPE%:	1.13
Antenna #:	2	Antenna #:	2	Antenna #:	2
Make / Model:	Ericsson AIR21 B4A/B2P	Make / Model:	Ericsson AIR21 B4A/B2P	Make / Model:	Ericsson AIR21 B4A/B2P
Gain:	15.9 dBd	Gain:	15.9 dBd	Gain:	15.9 dBd
Height (AGL):	128	Height (AGL):	128	Height (AGL):	128
Frequency Bands:	1900 MHz(PCS) / 2100 MHz (AWS)	Frequency Bands:	1900 MHz(PCS) / 2100 MHz (AWS)	Frequency Bands:	1900 MHz(PCS) / 2100 MHz (AWS)
Channel Count:	4	Channel Count:	4	Channel Count:	4
Total TX Power:	120	Total TX Power:	120	Total TX Power:	120
ERP (W):	1,906.06	ERP (W):	1,906.06	ERP (W):	1,906.06
Antenna A2 MPE%:	1.13	Antenna B2 MPE%:	1.13	Antenna C2 MPE%:	1.13

Site Composite MPE %	
Carrier	MPE %
MetroPCS	6.77
Clearwire	0.79 %
Clearwire MW	1.09 %
AT&T	13.92 %
Sprint	9.31 %
<b>Site Total MPE %:</b>	<b>31.88 %</b>

MetroPCS Sector 1 Total:	2.26 %
MetroPCS Sector 2 Total:	2.26 %
MetroPCS Sector 3 Total:	2.26 %
<b>Site Total:</b>	<b>31.88 %</b>



# EBI Consulting

environmental | engineering | due diligence

## Summary

All calculations performed for this analysis yielded results that were **within** the allowable limits for general public exposure to RF Emissions.

The anticipated maximum composite contributions from the MetroPCS facility as well as the site composite emissions value with regards to compliance with FCC's allowable limits for general public exposure to RF Emissions are shown here:

MetroPCS Sector	Power Density Value (%)
Sector 1:	2.26 %
Sector 2:	2.26 %
Sector 3 :	2.26 %
MetroPCS Total:	6.77 %
Site Total:	31.88 %
Site Compliance Status:	<b>COMPLIANT</b>

The anticipated composite MPE value for this site assuming all carriers present is **31.88%** of the allowable FCC established general public limit sampled at the ground level. This is based upon values listed in the Connecticut Siting Council database for existing carrier emissions.

FCC guidelines state that if a site is found to be out of compliance (over allowable thresholds), that carriers over a 5% contribution to the composite value will require measures to bring the site into compliance. For this facility, the composite values calculated were well within the allowable 100% threshold standard per the federal government.

Scott Heffernan  
RF Engineering Director

**EBI Consulting**  
21 B Street  
Burlington, MA 01803`



Exhibit 3  
Structural Calculations



**AMERICAN TOWER®**  
CORPORATION

---

## Structural Analysis Report

**Structure** : 150 ft Monopole  
**ATC Site Name** : E H F R - Prestige Park, CT  
**ATC Site Number** : 302473  
**Engineering Number** : 59130822  
**Proposed Carrier** : Metro PCS  
**Carrier Site Name** : E H F R - Prestige Park  
**Carrier Site Number** : CTHA515A  
**Site Location** : 310 Prestige Park Rd.  
East Hartford, CT 06108-1206  
41.788333,-72.600556  
**County** : Hartford  
**Date** : August 28, 2014  
**Max Usage** : 96%  
**Result** : Pass

Najaf Ali



ATC  
Aug 29 2014 8:41 AM



**Table of Contents**

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



## Introduction

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

## Supporting Documents

<b>Tower Drawings</b>	SpectraSite Drawing #D1, dated September 6, 2003
<b>Foundation Drawing</b>	Southern New England Telephone Job #38904, dated April 20, 1983
<b>Geotechnical Report</b>	GeoTechnologies Inc. Project #1-02-1122-EA, dated September 6, 2002
<b>Modifications</b>	ATC Job #51574121, dated January 17, 2013

## Analysis

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

<b>Basic Wind Speed:</b>	95 mph (3-Second Gust)
<b>Basic Wind Speed w/ Ice:</b>	50 mph (3-Second Gust) w/ 1" radial ice concurrent
<b>Code:</b>	ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment
<b>Structure Class:</b>	II
<b>Exposure Category:</b>	B
<b>Topographic Category:</b>	1

## Conclusion

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

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





**Existing and Reserved Equipment**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
150.0	155.0	6	Kathrein 860 10025	Platform w/ Handrails	(12) 7/8" Coax (2) 0.78" Cable (1) 3/8" Coax (1) 0.39" Cable (1) 3" Conduit	AT&T Mobility
		12	ADC DD1900			
		6	CSS DUO4-8670			
		3	KMW AM-X-CD-16-65-00T-RET			
	151.0	1	Raycap DC6-48-60-18-8F			
		6	Ericsson RRUS 11			
	155.0	1	6' Omni		(1) 1 5/8" Coax	USA Mobility
138.0	138.0	3	RFS IBC1900BB-1	T-Arms	(4) 1 1/4" Hybriflex	Sprint Nextel
		3	RFS IBC1900HG-2A			
		6	Alcatel-Lucent 4X40W RRH			
		3	Alcatel-Lucent 800MHz RRH w/ Notch Filter			
		3	Alcatel-Lucent TD-RRH8x20-25 w/ S. S.			
		3	RFS APXVTM14-C-I20			
		2	RFS APXV9ERR18-C-A20			
		1	RFS APXVSP18-C-A20			
128.0	-	-	-	Sector Frame	(6) 1 5/8" Coax	Metro PCS
118.0	118.0	3	DragonWave Horizon Compact	Pipe	(6) 5/16" Coax (3) 1/2" Coax (1) 2" Conduit	Clearwire
		1	Generic 12" x 12" Junction Box			
		1	DragonWave A-ANT-23G-1-C			
		3	NextNet BTS-2500			
		3	Argus LLPX310R			
		2	DragonWave A-ANT-23G-2-C			
35.0	35.0	1	GPS	Stand-off	(1) 1/2" Coax	AT&T Mobility
34.0	34.0	1	GPS	Stand-off	(1) 1/2" Coax	Sprint Nextel

**Equipment to be Removed**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
128.0	128.0	3	RFS APXV18-206517S-C	-	-	Metro PCS

**Proposed Equipment**

Elevation <sup>1</sup> (ft)		Qty	Antenna	Mount Type	Lines	Carrier
Mount	RAD					
128.0	128.0	3	Ericsson AIR 21, 1.3M, B4A B2P	Sector Frame	(1) 1 5/8" Hybriflex	Metro PCS
		3	Ericsson AIR 21, 1.3M, B2A B4P			

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

Install proposed coax outside the pole shaft. Stacking coax is not allowed.



**Structure Usages**

Structural Component	Controlling Usage	Pass/Fail
Anchor Bolts	67%	Pass
Shaft	96%	Pass
Base Plate	52%	Pass
Flanges	92%	Pass
Reinforcement	73%	Pass

**Foundations**

Reaction Component	Analysis Reactions
Moment (Kips-Ft)	2,178.7
Axial (Kips)	61.6
Shear (Kips)	22.1

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

**Deflection and Sway\***

Antenna Elevation (ft)	Deflection (ft)	Sway (Rotation) (°)
128.0	2.139	2.347

\*Deflection and Sway was evaluated considering a design wind speed of 60 mph (3-Second Gust) per ANSI/TIA-222-G



## **Standard Conditions**

All engineering services are performed on the basis that the information used is current and correct. This information may consist of, but is not necessary limited, to:

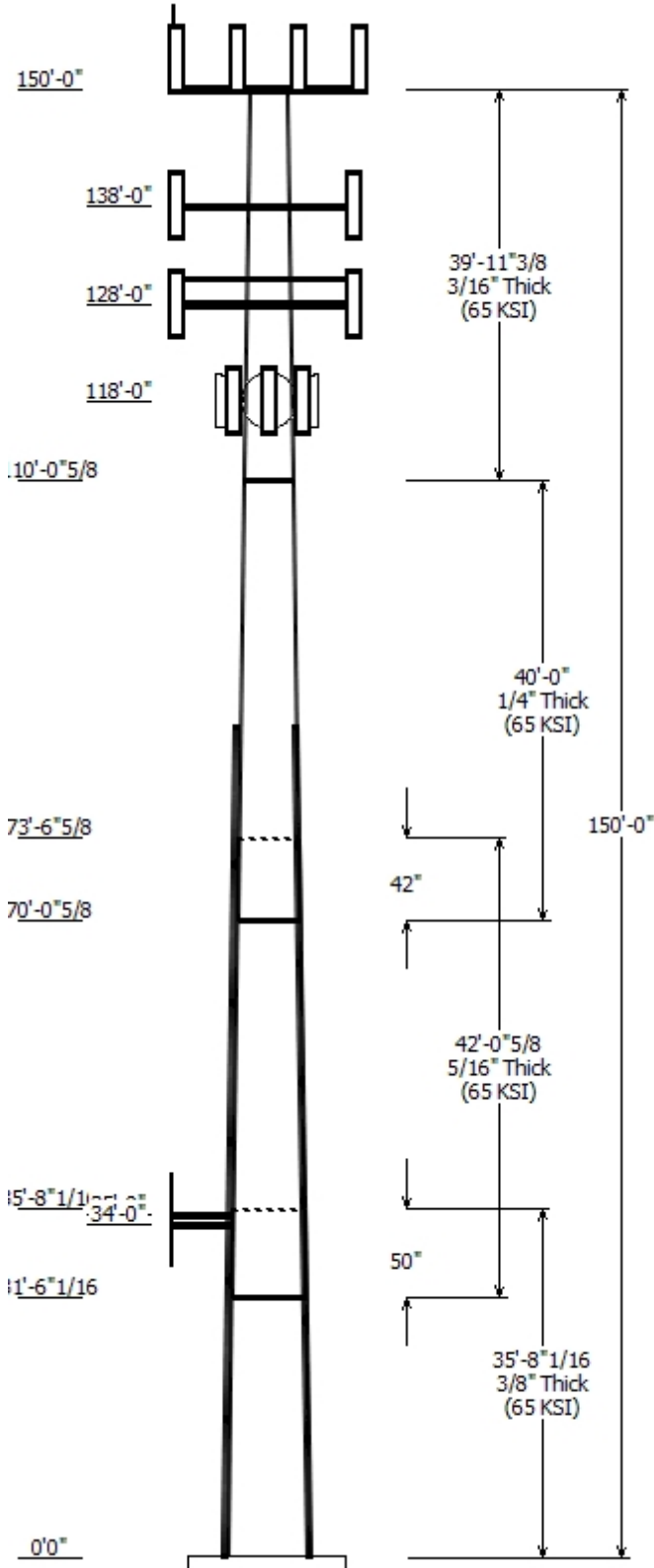
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

It is the responsibility of the client to ensure that the information provided to ATC Tower Services, Inc. and used in the performance of our engineering services is correct and complete. In the absence of information to the contrary, we assume that all structures were constructed in accordance with the drawings and specifications and that their capacity has not significantly changed from the "as new" condition.

Unless explicitly agreed by both the client and American Tower Corporation, all services will be performed in accordance with the current revision of ANSI/TIA -222. The design basic wind speed will be determined based on the minimum basic wind speed as prescribed in ANSI/TIA-222. Although every effort is taken to ensure that the loading considered is adequate to meet the requirements of all applicable regulatory entities, we can provide no assurance to meet any other local and state codes or requirements. If wind and ice loads or other relevant parameters are to be different from the minimum values recommended by the codes, the client shall specify the exact requirement.

All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. ATC Tower Services, Inc. is not responsible for the conclusions, opinions and recommendations made by others based on the information we supply.

© 2007 - 2014 by ATC IP LLC. All rights reserved.

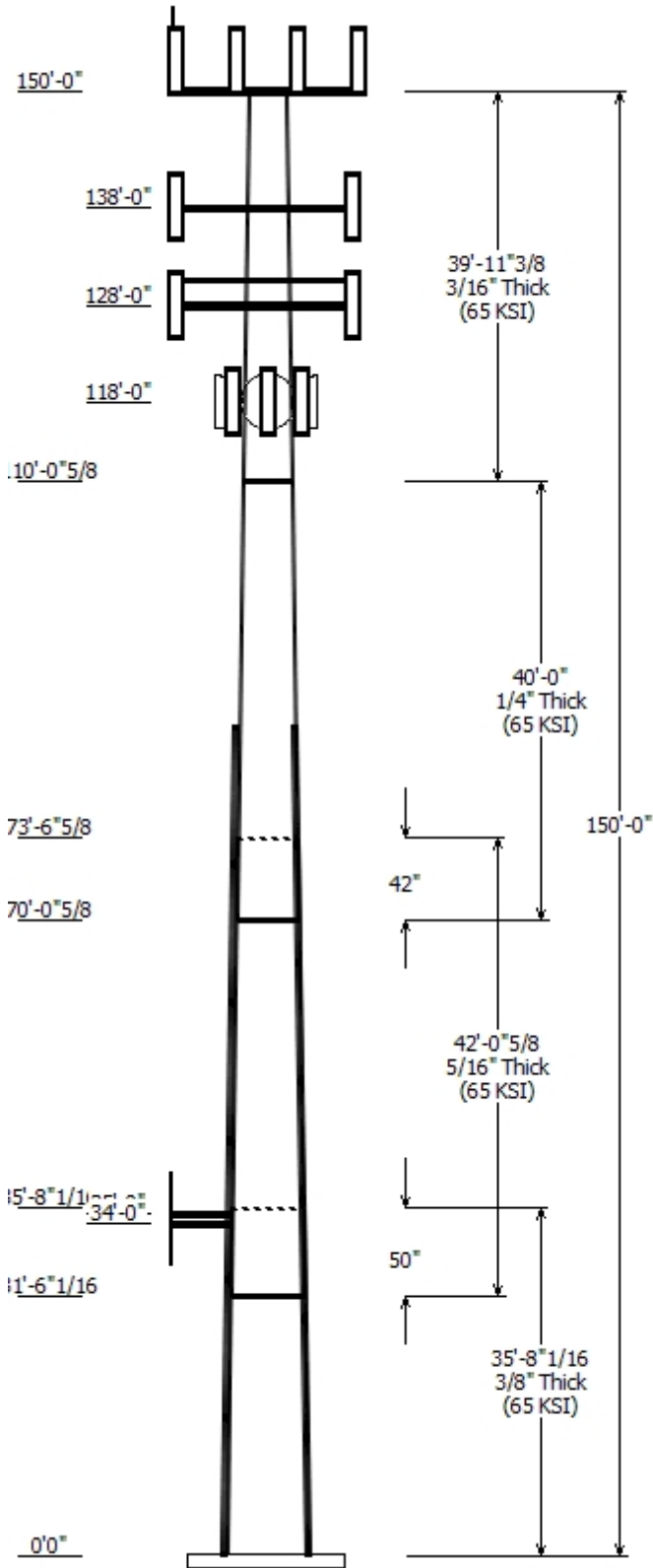


Job Information	
Pole :	302473
Code :	ANSI/TIA-222 Rev G
Description :	150' ITT Meyer Type "B" Monopole
Client :	Metro PCS
Struct Class :	II
Location :	E H F R - Prestige Park, CT
Shape :	12 Sides
Exposure :	B
Height :	150.00 (ft)
Topo :	1
Base Elev (ft):	0.00
Taper:	0.15080(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick (in)	Joint Type	Overlap		Steel Grade (ksi)
		Across Flats Top	Across Flats Bottom			Length (in)	Taper (in/ft)	
1	35.670	30.62	36.00	0.375		0.000	0.150800	65
2	42.050	25.53	31.87	0.313	Slip Joint	50.000	0.150800	65
3	40.000	20.52	26.56	0.250	Slip Joint	42.000	0.150800	65
4	39.947	14.50	20.52	0.188	Butt Joint	0.000	0.150800	65

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
150.000	151.000	1	Raycap DC6-48-60-18-8F	
150.000	150.000	1	Flat Platform w/ Handrails	
150.000	155.000	3	KMW AM-X-CD-16-65-00T-RET	
150.000	155.000	6	Kathrein 860 10025	
150.000	151.000	6	Ericsson RRUS 11	
150.000	155.000	6	CSS DUO4-8670	
150.000	155.000	12	ADC DD1900	
150.000	155.000	1	6' Omni	
138.000	138.000	3	Alcatel-Lucent TD-RRH8x20-25	
138.000	138.000	3	RFS APXVTM14-C-I20	
138.000	138.000	3	T-Arms	
138.000	138.000	3	RFS IBC1900HG-2A	
138.000	138.000	3	RFS IBC1900BB-1	
138.000	138.000	1	RFS APXVSP18-C-A20	
138.000	138.000	2	RFS APXV9ERR18-C-A20	
138.000	138.000	3	Alcatel-Lucent 800 MHz RRH w/	
138.000	138.000	6	Alcatel-Lucent 4X40W RRH	
128.000	128.000	1	Round Sector Frame	
128.000	128.000	3	Ericsson AIR 21, 1.3M, B4A B2P	
128.000	128.000	3	Ericsson AIR 21, 1.3M, B2A B4P	
118.000	118.000	3	NextNet BTS-2500	
118.000	118.000	1	Generic 12" x 12" Junction Box	
118.000	118.000	3	DragonWave Horizon Compact	
118.000	118.000	2	DragonWave A-ANT-23G-2-C	
118.000	118.000	1	DragonWave A-ANT-23G-1-C	
118.000	118.000	1	Clearwire Mount	
118.000	118.000	3	Argus LLPX310R	
35.000	35.000	1	GPS	
35.000	35.000	1	Stand-off	
34.000	34.000	1	Stand-off	
34.000	34.000	1	GPS	

Linear Appurtenance			
Elev (ft) From	To	Description	Exposed To Wind
4.000	34.000	1/2" Coax	Yes
4.000	35.000	1/2" Coax	Yes
4.000	91.000	#20 Dywidag Bars	Yes
4.000	118.0	1/2" Coax	No
4.000	118.0	2" Conduit	No
4.000	118.0	5/16" Coax	No

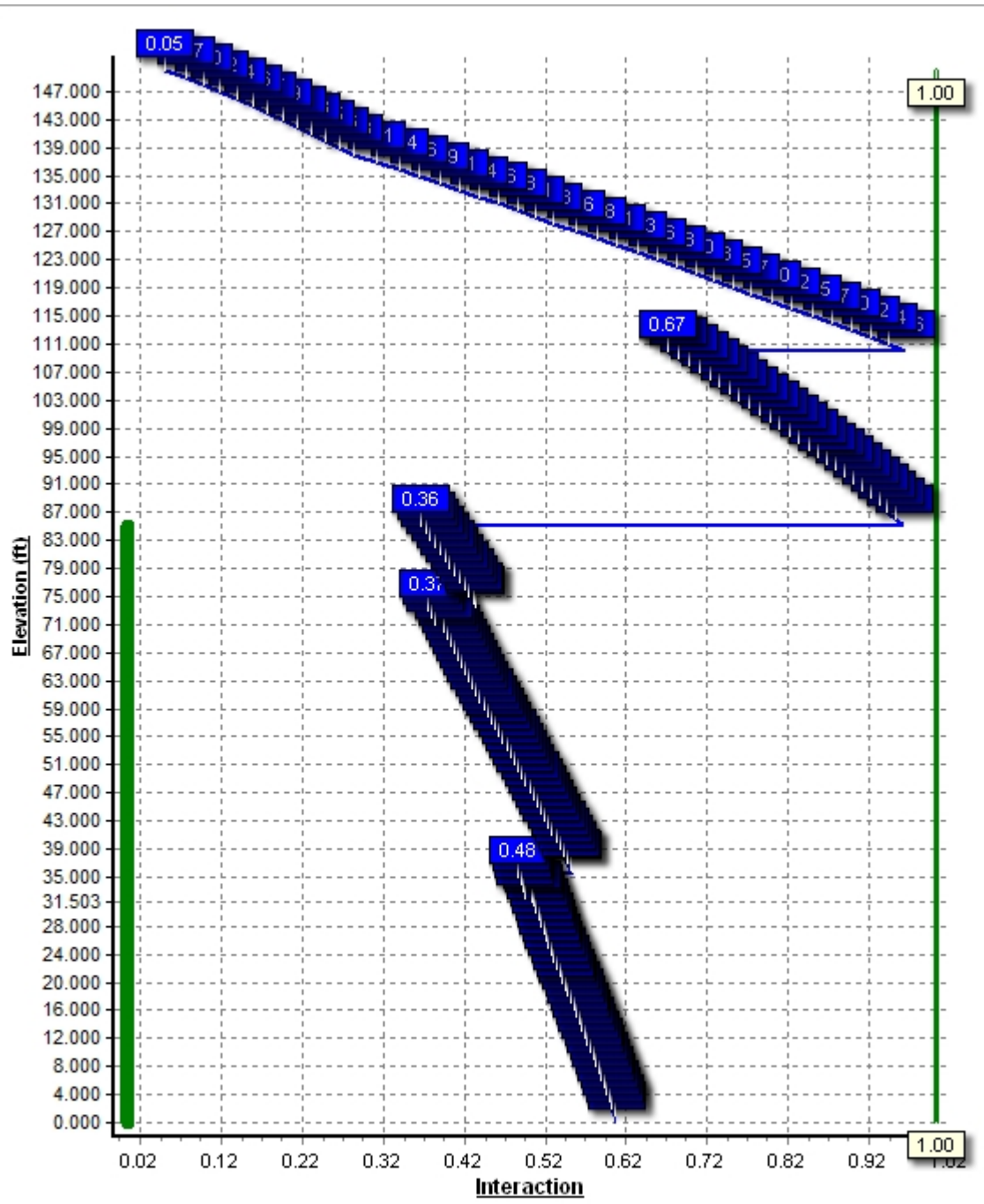


4.000	128.0	1 5/8" Coax	Yes
4.000	128.0	1 5/8" Hybriflex	No
4.000	138.0	1 1/4" Hybriflex	No
4.000	138.0	1 1/4" Hybriflex	No
4.000	150.0	0.39" Cable	No
4.000	150.0	0.78" Cable	No
4.000	150.0	1 5/8" Coax	No
4.000	150.0	3" Conduit	No
4.000	150.0	3/8" Coax	No
4.000	150.0	7/8" Coax	No

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 (kip)	Axial (kip)
1.2D + 1.6W	2178.68	22.13	33.09
0.9D + 1.6W	2143.32	22.12	26.23
1.2D + 1.0Di + 1.0Wi	611.48	5.50	61.61
1.0D + 1.0W	544.35	5.62	28.53

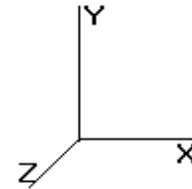
Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	118.00	21.023	2.076
1.0D + 1.0W	118.00	21.023	2.076





Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Shaft Section Properties**

Sect Info	Length (ft)	Thick (in)	Fy (ksi)	Slip		Weight (lb)	Bottom						Top							
				Joint Type	Joint Len (in)		Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Taper (in/ft)	
1-12	35.670	0.3750	65		0.00	4,827	36.00	0.00	43.02	6968.5	23.58	96.00	30.62	35.67	36.52	4264.6	19.74	81.66	0.150800	
2-12	42.050	0.3125	65	Slip	50.00	4,088	31.87	31.50	31.76	4038.1	25.19	102.00	25.53	73.55	25.38	2060.4	19.75	81.71	0.150800	
3-12	40.000	0.2500	65	Slip	42.00	2,552	26.56	70.05	21.18	1871.5	26.32	106.24	20.52	110.05	16.32	856.9	19.86	82.12	0.150800	
4-12	39.947	0.1875	65	Butt	0.00	1,422	20.52	110.05	12.28	648.6	27.19	109.49	14.50	150.00	8.64	226.2	18.58	77.36	0.150800	
Shaft Weight						12,890														

**Discrete Appurtenance Properties**

Attach Elev (ft)	Description	Qty	No Ice			Ice			Distance From Face (ft)	Vert Ecc (ft)
			Weight (lb)	EPAA (sf)	Orientation Factor	Weight (lb)	EPAA (sf)	Orientation Factor		
150.00	6' Omni	1	35.00	1.760	1.00	67.58	3.398	1.00	0.000	5.000
150.00	ADC DD1900	12	12.10	1.090	0.50	37.79	2.011	0.50	0.000	5.000
150.00	CSS DUO4-8670	6	38.50	5.790	0.70	278.61	7.246	0.70	0.000	5.000
150.00	Ericsson RRUS 11	6	55.00	2.520	0.50	171.00	3.408	0.50	0.000	1.000
150.00	Flat Platform w/ Handrails	1	2000.00	38.000	1.00	3,898.78	63.112	1.00	0.000	0.000
150.00	Kathrein 860 10025	6	1.20	0.180	0.50	18.66	0.484	0.50	0.000	5.000
150.00	KMW AM-X-CD-16-65-00T-	3	48.50	8.020	0.79	317.43	9.784	0.79	0.000	5.000
150.00	Raycap DC6-48-60-18-8F	1	31.80	1.280	1.00	114.23	2.092	1.00	0.000	1.000
138.00	Alcatel-Lucent 4X40W RRH	6	59.50	2.320	0.50	194.59	3.235	0.50	0.000	0.000
138.00	Alcatel-Lucent 800 MHz RRH	3	61.80	2.500	0.50	210.69	3.382	0.50	0.000	0.000
138.00	Alcatel-Lucent TD-RRH8x20-	3	60.00	4.050	0.50	164.77	2.614	0.50	0.000	0.000
138.00	RFS APXV9ERR18-C-A20	2	62.00	8.020	0.71	354.58	9.768	0.71	0.000	0.000
138.00	RFS APXVSP18-C-A20	1	57.00	8.260	0.69	337.68	9.768	0.69	0.000	0.000
138.00	RFS APXVTM14-C-I20	3	52.90	6.340	0.66	278.95	7.840	0.66	0.000	0.000
138.00	RFS IBC1900BB-1	3	22.00	0.970	0.50	74.96	1.559	0.50	0.000	0.000
138.00	RFS IBC1900HG-2A	3	22.00	0.970	0.50	74.96	1.559	0.50	0.000	0.000
138.00	T-Arms	3	250.00	5.000	0.67	526.92	10.631	0.67	0.000	0.000
128.00	Ericsson AIR 21, 1.3M, B2A	3	91.50	6.080	0.70	326.95	7.520	0.70	0.000	0.000
128.00	Ericsson AIR 21, 1.3M, B4A	3	90.40	6.040	0.70	325.79	7.566	0.70	0.000	0.000
128.00	Round Sector Frame	1	300.00	10.000	0.75	783.72	25.116	0.75	0.000	0.000
118.00	Argus LLPX310R	3	28.60	4.290	0.63	179.27	5.486	0.63	0.000	0.000
118.00	Clearwire Mount	1	40.00	8.500	1.00	83.62	17.769	1.00	0.000	0.000
118.00	DragonWave A-ANT-23G-1-C	1	15.00	1.610	1.00	61.09	2.598	1.00	0.000	0.000
118.00	DragonWave A-ANT-23G-2-C	2	12.30	4.690	1.00	70.21	6.352	1.00	0.000	0.000
118.00	DragonWave Horizon	3	10.60	0.430	0.50	39.93	1.095	0.50	0.000	0.000
118.00	Generic 12" x 12" Junction	1	10.00	1.200	0.50	64.33	2.147	0.50	0.000	0.000
118.00	NextNet BTS-2500	3	35.00	1.820	0.50	116.09	2.559	0.50	0.000	0.000
35.00	GPS	1	10.00	1.000	1.00	56.79	1.014	1.00	0.000	0.000
35.00	Stand-off	1	50.00	2.000	1.00	90.24	3.609	1.00	0.000	0.000
34.00	GPS	1	10.00	1.000	1.00	43.70	1.818	1.00	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
Totals		88	6147.70			18,882.18			Number of Loadings : 31	

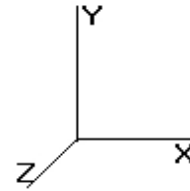
**Linear Appurtenance Properties**

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
4.00	150.00	(1) 0.39" Cable	0.00	N
4.00	150.00	(2) 0.78" Cable	0.00	N
4.00	150.00	(1) 1 5/8" Coax	0.00	N

Pole : 302473  
 Location : E H F R - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:51 PM  
 Page: 2



© 2007 - 2014 by ATC IP LLC. All rights reserved.

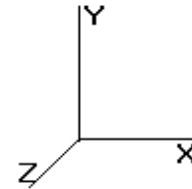
4.00	150.00	(1) 3" Conduit	0.00	N
4.00	150.00	(1) 3/8" Coax	0.00	N
4.00	150.00	(12) 7/8" Coax	0.00	N
4.00	138.00	(3) 1 1/4" Hybriflex	0.00	N
4.00	138.00	(1) 1 1/4" Hybriflex	0.00	N
4.00	128.00	(6) 1 5/8" Coax	1.98	Y
4.00	128.00	(1) 1 5/8" Hybriflex	0.00	N
4.00	118.00	(3) 1/2" Coax	0.00	N
4.00	118.00	(1) 2" Conduit	0.00	N
4.00	118.00	(6) 5/16" Coax	0.00	N
4.00	91.00	(4) #20 Dywidag Bars	6.02	Y
4.00	35.00	(1) 1/2" Coax	0.00	Y
4.00	34.00	(1) 1/2" Coax	0.00	Y

### Additional Steel

— Intermediate Connections —										
Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	Description	Spacing (in)	Len (in)	Connectors	Continuation?
0.00	85.00	4	SOL #20 All Thread	80	2.08	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	No

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



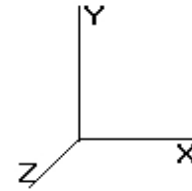
© 2007 - 2014 by ATC IP LLC. All rights reserved.

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

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in3)	Weight (lb)	Additional Reinforcing		
											Area (in^2)	Ix (in^4)	Weight (lb)
0.00		0.3750	36.0000	43.017	6,968.5	23.58	96.00	79.0	373.9	0.0	19.64	4,475	0.0
1.00		0.3750	35.849	42.835	6,880.4	23.47	95.60	79.1	370.8	146.1	19.64	4,443	66.8
2.00		0.3750	35.698	42.653	6,793.0	23.36	95.20	79.2	367.6	145.4	19.64	4,412	66.8
3.00		0.3750	35.548	42.471	6,706.4	23.26	94.79	79.4	364.5	144.8	19.64	4,381	66.8
4.00		0.3750	35.397	42.289	6,620.5	23.15	94.39	79.5	361.3	144.2	19.64	4,350	66.8
5.00		0.3750	35.246	42.107	6,535.3	23.04	93.99	79.6	358.2	143.6	19.64	4,318	66.8
6.00		0.3750	35.095	41.925	6,450.9	22.93	93.59	79.7	355.1	143.0	19.64	4,288	66.8
7.00		0.3750	34.944	41.743	6,367.2	22.83	93.19	79.8	352.0	142.4	19.64	4,257	66.8
8.00		0.3750	34.794	41.560	6,284.2	22.72	92.78	79.9	348.9	141.7	19.64	4,226	66.8
9.00		0.3750	34.643	41.378	6,202.0	22.61	92.38	80.1	345.9	141.1	19.64	4,195	66.8
10.00		0.3750	34.492	41.196	6,120.5	22.50	91.98	80.2	342.8	140.5	19.64	4,165	66.8
11.00		0.3750	34.341	41.014	6,039.7	22.39	91.58	80.3	339.8	139.9	19.64	4,134	66.8
12.00		0.3750	34.190	40.832	5,959.6	22.29	91.17	80.4	336.7	139.3	19.64	4,104	66.8
13.00		0.3750	34.040	40.650	5,880.2	22.18	90.77	80.5	333.7	138.6	19.64	4,074	66.8
14.00		0.3750	33.889	40.468	5,801.6	22.07	90.37	80.6	330.7	138.0	19.64	4,044	66.8
15.00		0.3750	33.738	40.286	5,723.6	21.96	89.97	80.8	327.7	137.4	19.64	4,014	66.8
16.00		0.3750	33.587	40.104	5,646.3	21.86	89.57	80.9	324.8	136.8	19.64	3,984	66.8
17.00		0.3750	33.436	39.922	5,569.8	21.75	89.16	81.0	321.8	136.2	19.64	3,954	66.8
18.00		0.3750	33.286	39.740	5,493.9	21.64	88.76	81.1	318.9	135.5	19.64	3,925	66.8
19.00		0.3750	33.135	39.557	5,418.7	21.53	88.36	81.2	315.9	134.9	19.64	3,895	66.8
20.00		0.3750	32.984	39.375	5,344.2	21.42	87.96	81.3	313.0	134.3	19.64	3,866	66.8
21.00		0.3750	32.833	39.193	5,270.4	21.32	87.56	81.5	310.1	133.7	19.64	3,836	66.8
22.00		0.3750	32.682	39.011	5,197.3	21.21	87.15	81.6	307.2	133.1	19.64	3,807	66.8
23.00		0.3750	32.532	38.829	5,124.9	21.10	86.75	81.7	304.3	132.4	19.64	3,778	66.8
24.00		0.3750	32.381	38.647	5,053.1	20.99	86.35	81.8	301.5	131.8	19.64	3,749	66.8
25.00		0.3750	32.230	38.465	4,982.0	20.89	85.95	81.9	298.6	131.2	19.64	3,720	66.8
26.00		0.3750	32.079	38.283	4,911.6	20.78	85.54	81.9	295.8	130.6	19.64	3,692	66.8
27.00		0.3750	31.928	38.101	4,841.9	20.67	85.14	81.9	293.0	130.0	19.64	3,663	66.8
28.00		0.3750	31.778	37.919	4,772.8	20.56	84.74	81.9	290.2	129.3	19.64	3,634	66.8
29.00		0.3750	31.627	37.737	4,704.3	20.45	84.34	81.9	287.4	128.7	19.64	3,606	66.8
30.00		0.3750	31.476	37.554	4,636.6	20.35	83.94	81.9	284.6	128.1	19.64	3,578	66.8
31.00		0.3750	31.325	37.372	4,569.4	20.24	83.53	81.9	281.8	127.5	19.64	3,549	66.8
31.50	Bot - Section 2	0.3750	31.249	37.281	4,535.9	20.19	83.33	81.9	280.4	63.9	19.64	3,535	33.6
32.00		0.3750	31.174	37.190	4,503.0	20.13	83.13	81.9	279.0	116.5	19.64	3,638	33.2
33.00		0.3750	31.024	37.008	4,437.2	20.02	82.73	81.9	276.3	233.8	19.64	3,610	66.8
34.00		0.3750	30.873	36.826	4,372.0	19.92	82.33	81.9	273.6	232.7	19.64	3,582	66.8
35.00		0.3750	30.722	36.644	4,307.5	19.81	81.93	81.9	270.9	231.5	19.64	3,554	66.8
35.67	Top - Section 1	0.3125	31.246	31.127	3,801.7	24.65	99.99	77.8	235.0	154.5	19.64	3,535	44.8
36.00		0.3125	31.196	31.077	3,783.4	24.61	99.83	77.9	234.3	34.9	19.64	3,525	22.0
37.00		0.3125	31.045	30.925	3,728.2	24.48	99.35	78.0	232.0	105.5	19.64	3,497	66.8
38.00		0.3125	30.895	30.773	3,673.6	24.35	98.86	78.2	229.7	105.0	19.64	3,470	66.8
39.00		0.3125	30.744	30.621	3,619.5	24.22	98.38	78.3	227.4	104.5	19.64	3,442	66.8
40.00		0.3125	30.593	30.470	3,566.0	24.09	97.90	78.4	225.2	103.9	19.64	3,414	66.8
41.00		0.3125	30.442	30.318	3,513.0	23.96	97.42	78.6	222.9	103.4	19.64	3,387	66.8
42.00		0.3125	30.291	30.166	3,460.5	23.83	96.93	78.7	220.7	102.9	19.64	3,359	66.8
43.00		0.3125	30.141	30.015	3,408.5	23.70	96.45	78.9	218.5	102.4	19.64	3,332	66.8
44.00		0.3125	29.990	29.863	3,357.1	23.57	95.97	79.0	216.3	101.9	19.64	3,305	66.8
45.00		0.3125	29.839	29.711	3,306.2	23.44	95.48	79.1	214.1	101.4	19.64	3,278	66.8
46.00		0.3125	29.688	29.559	3,255.8	23.31	95.00	79.3	211.9	100.8	19.64	3,251	66.8
47.00		0.3125	29.537	29.408	3,205.9	23.18	94.52	79.4	209.7	100.3	19.64	3,224	66.8
48.00		0.3125	29.387	29.256	3,156.5	23.05	94.04	79.6	207.5	99.8	19.64	3,197	66.8
49.00		0.3125	29.236	29.104	3,107.7	22.92	93.55	79.7	205.3	99.3	19.64	3,171	66.8
50.00		0.3125	29.085	28.952	3,059.3	22.79	93.07	79.9	203.2	98.8	19.64	3,144	66.8
51.00		0.3125	28.934	28.801	3,011.5	22.67	92.59	80.0	201.1	98.3	19.64	3,118	66.8
52.00		0.3125	28.783	28.649	2,964.1	22.54	92.11	80.1	198.9	97.7	19.64	3,091	66.8
53.00		0.3125	28.633	28.497	2,917.3	22.41	91.62	80.3	196.8	97.2	19.64	3,065	66.8
54.00		0.3125	28.482	28.345	2,870.9	22.28	91.14	80.4	194.7	96.7	19.64	3,039	66.8
55.00		0.3125	28.331	28.194	2,825.1	22.15	90.66	80.6	192.6	96.2	19.64	3,013	66.8

Pole : 302473  
 Location : E H F R - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

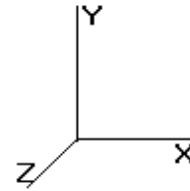


© 2007 - 2014 by ATC IP LLC. All rights reserved.

56.00		0.3125	28.180	28.042	2,779.7	22.02	90.18	80.7	190.6	95.7	19.64	2,987	66.8
57.00		0.3125	28.029	27.890	2,734.8	21.89	89.69	80.8	188.5	95.2	19.64	2,961	66.8
58.00		0.3125	27.879	27.738	2,690.4	21.76	89.21	81.0	186.4	94.6	19.64	2,936	66.8
59.00		0.3125	27.728	27.587	2,646.5	21.63	88.73	81.1	184.4	94.1	19.64	2,910	66.8
60.00		0.3125	27.577	27.435	2,603.1	21.50	88.25	81.3	182.4	93.6	19.64	2,885	66.8
61.00		0.3125	27.426	27.283	2,560.1	21.37	87.76	81.4	180.3	93.1	19.64	2,860	66.8
62.00		0.3125	27.275	27.131	2,517.6	21.24	87.28	81.5	178.3	92.6	19.64	2,834	66.8
63.00		0.3125	27.125	26.980	2,475.6	21.11	86.80	81.7	176.3	92.1	19.64	2,809	66.8
64.00		0.3125	26.974	26.828	2,434.1	20.98	86.32	81.8	174.3	91.5	19.64	2,784	66.8
65.00		0.3125	26.823	26.676	2,393.0	20.86	85.83	81.9	172.4	91.0	19.64	2,760	66.8
66.00		0.3125	26.672	26.524	2,352.4	20.73	85.35	81.9	170.4	90.5	19.64	2,735	66.8
67.00		0.3125	26.521	26.373	2,312.3	20.60	84.87	81.9	168.4	90.0	19.64	2,710	66.8
68.00		0.3125	26.371	26.221	2,272.6	20.47	84.39	81.9	166.5	89.5	19.64	2,686	66.8
69.00		0.3125	26.220	26.069	2,233.4	20.34	83.90	81.9	164.6	89.0	19.64	2,661	66.8
70.00		0.3125	26.069	25.917	2,194.6	20.21	83.42	81.9	162.6	88.4	19.64	2,637	66.8
70.05	Bot - Section 3	0.3125	26.061	25.909	2,192.5	20.20	83.40	81.9	162.5	4.7	19.64	2,636	3.6
71.00		0.3125	25.918	25.766	2,156.3	20.08	82.94	81.9	160.7	151.3	19.64	2,693	63.2
72.00		0.3125	25.767	25.614	2,118.4	19.95	82.46	81.9	158.8	158.9	19.64	2,669	66.8
73.00		0.3125	25.617	25.462	2,081.0	19.82	81.97	81.9	156.9	158.0	19.64	2,645	66.8
73.55	Top - Section 2	0.2500	26.033	20.755	1,761.1	25.76	104.13	76.6	130.7	87.0	19.64	2,631	37.0
74.00		0.2500	25.966	20.701	1,747.4	25.69	103.86	76.7	130.0	31.5	19.64	2,620	29.8
75.00		0.2500	25.815	20.580	1,716.8	25.52	103.26	76.9	128.5	70.2	19.64	2,596	66.8
76.00		0.2500	25.664	20.458	1,686.6	25.36	102.66	77.1	127.0	69.8	19.64	2,572	66.8
77.00		0.2500	25.513	20.337	1,656.8	25.20	102.05	77.2	125.4	69.4	19.64	2,548	66.8
78.00		0.2500	25.363	20.216	1,627.3	25.04	101.45	77.4	123.9	69.0	19.64	2,525	66.8
79.00		0.2500	25.212	20.094	1,598.1	24.88	100.85	77.6	122.5	68.6	19.64	2,501	66.8
80.00		0.2500	25.061	19.973	1,569.3	24.72	100.24	77.8	121.0	68.2	19.64	2,477	66.8
81.00		0.2500	24.910	19.851	1,540.9	24.56	99.64	77.9	119.5	67.8	19.64	2,454	66.8
82.00		0.2500	24.759	19.730	1,512.8	24.39	99.04	78.1	118.0	67.3	19.64	2,431	66.8
83.00		0.2500	24.609	19.609	1,485.0	24.23	98.43	78.3	116.6	66.9	19.64	2,408	66.8
84.00		0.2500	24.458	19.487	1,457.6	24.07	97.83	78.5	115.1	66.5	19.64	2,384	66.8
85.00	Reinf. Top	0.2500	24.307	19.366	1,430.6	23.91	97.23	78.6	113.7	66.1	19.64	2,361	66.8
86.00		0.2500	24.156	19.244	1,403.8	23.75	96.62	78.8	112.3	65.7			
87.00		0.2500	24.005	19.123	1,377.4	23.59	96.02	79.0	110.8	65.3			
88.00		0.2500	23.855	19.002	1,351.4	23.42	95.42	79.2	109.4	64.9			
89.00		0.2500	23.704	18.880	1,325.6	23.26	94.82	79.3	108.0	64.5			
90.00		0.2500	23.553	18.759	1,300.2	23.10	94.21	79.5	106.6	64.0			
91.00		0.2500	23.402	18.638	1,275.1	22.94	93.61	79.7	105.3	63.6			
92.00		0.2500	23.251	18.516	1,250.4	22.78	93.01	79.9	103.9	63.2			
93.00		0.2500	23.101	18.395	1,226.0	22.62	92.40	80.0	102.5	62.8			
94.00		0.2500	22.950	18.273	1,201.8	22.45	91.80	80.2	101.2	62.4			
95.00		0.2500	22.799	18.152	1,178.0	22.29	91.20	80.4	99.8	62.0			
96.00		0.2500	22.648	18.031	1,154.6	22.13	90.59	80.6	98.5	61.6			
97.00		0.2500	22.497	17.909	1,131.4	21.97	89.99	80.8	97.2	61.1			
98.00		0.2500	22.347	17.788	1,108.6	21.81	89.39	80.9	95.8	60.7			
99.00		0.2500	22.196	17.666	1,086.0	21.65	88.78	81.1	94.5	60.3			
100.0		0.2500	22.045	17.545	1,063.8	21.48	88.18	81.3	93.2	59.9			
101.0		0.2500	21.894	17.424	1,041.9	21.32	87.58	81.5	91.9	59.5			
102.0		0.2500	21.743	17.302	1,020.2	21.16	86.97	81.6	90.6	59.1			
103.0		0.2500	21.593	17.181	998.9	21.00	86.37	81.8	89.4	58.7			
104.0		0.2500	21.442	17.059	977.9	20.84	85.77	81.9	88.1	58.3			
105.0		0.2500	21.291	16.938	957.2	20.68	85.16	81.9	86.8	57.8			
106.0		0.2500	21.140	16.817	936.7	20.51	84.56	81.9	85.6	57.4			
107.0		0.2500	20.989	16.695	916.6	20.35	83.96	81.9	84.4	57.0			
108.0		0.2500	20.839	16.574	896.7	20.19	83.35	81.9	83.1	56.6			
109.0		0.2500	20.688	16.452	877.2	20.03	82.75	81.9	81.9	56.2			
110.0		0.2500	20.537	16.331	857.9	19.87	82.15	81.9	80.7	55.8			
110.0	Top - Section 3	0.2500	20.529	16.325	856.9	19.86	82.12	81.9	80.6	3.0			
110.0	Bot - Section 4	0.1875	20.529	12.281	648.6	27.19	109.49	75.1	61.0				
111.0		0.1875	20.386	12.195	635.1	26.99	108.73	75.3	60.2	39.4			
112.0		0.1875	20.235	12.104	620.9	26.77	107.92	75.5	59.3	41.3			
113.0		0.1875	20.085	12.013	607.0	26.56	107.12	75.7	58.4	41.0			
114.0		0.1875	19.934	11.922	593.3	26.34	106.31	76.0	57.5	40.7			
115.0		0.1875	19.783	11.831	579.8	26.13	105.51	76.2	56.6	40.4			

Pole : 302473  
 Location : E H F R - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

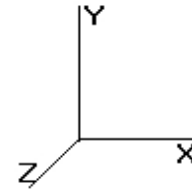
116.0	0.1875	19.632	11.740	566.6	25.91	104.71	76.5	55.8	40.1
117.0	0.1875	19.481	11.649	553.5	25.70	103.90	76.7	54.9	39.8
118.0	0.1875	19.331	11.558	540.6	25.48	103.10	76.9	54.0	39.5
119.0	0.1875	19.180	11.467	527.9	25.27	102.29	77.2	53.2	39.2
120.0	0.1875	19.029	11.376	515.5	25.05	101.49	77.4	52.3	38.9
121.0	0.1875	18.878	11.285	503.2	24.83	100.68	77.6	51.5	38.6
122.0	0.1875	18.727	11.193	491.1	24.62	99.88	77.9	50.7	38.2
123.0	0.1875	18.577	11.102	479.2	24.40	99.08	78.1	49.8	37.9
124.0	0.1875	18.426	11.011	467.5	24.19	98.27	78.3	49.0	37.6
125.0	0.1875	18.275	10.920	456.0	23.97	97.47	78.6	48.2	37.3
126.0	0.1875	18.124	10.829	444.7	23.76	96.66	78.8	47.4	37.0
127.0	0.1875	17.973	10.738	433.6	23.54	95.86	79.0	46.6	36.7
128.0	0.1875	17.823	10.647	422.6	23.33	95.05	79.3	45.8	36.4
129.0	0.1875	17.672	10.556	411.9	23.11	94.25	79.5	45.0	36.1
130.0	0.1875	17.521	10.465	401.3	22.90	93.45	79.7	44.3	35.8
131.0	0.1875	17.370	10.374	390.9	22.68	92.64	80.0	43.5	35.5
132.0	0.1875	17.219	10.283	380.7	22.46	91.84	80.2	42.7	35.1
133.0	0.1875	17.069	10.192	370.7	22.25	91.03	80.4	42.0	34.8
134.0	0.1875	16.918	10.101	360.9	22.03	90.23	80.7	41.2	34.5
135.0	0.1875	16.767	10.010	351.2	21.82	89.42	80.9	40.5	34.2
136.0	0.1875	16.616	9.919	341.7	21.60	88.62	81.2	39.7	33.9
137.0	0.1875	16.465	9.828	332.4	21.39	87.82	81.4	39.0	33.6
138.0	0.1875	16.315	9.737	323.2	21.17	87.01	81.6	38.3	33.3
139.0	0.1875	16.164	9.646	314.2	20.96	86.21	81.9	37.6	33.0
140.0	0.1875	16.013	9.555	305.4	20.74	85.40	81.9	36.8	32.7
141.0	0.1875	15.862	9.464	296.8	20.52	84.60	81.9	36.1	32.4
142.0	0.1875	15.711	9.373	288.3	20.31	83.79	81.9	35.4	32.0
143.0	0.1875	15.561	9.282	280.0	20.09	82.99	81.9	34.8	31.7
144.0	0.1875	15.410	9.190	271.8	19.88	82.19	81.9	34.1	31.4
145.0	0.1875	15.259	9.099	263.8	19.66	81.38	81.9	33.4	31.1
146.0	0.1875	15.108	9.008	256.0	19.45	80.58	81.9	32.7	30.8
147.0	0.1875	14.957	8.917	248.3	19.23	79.77	81.9	32.1	30.5
148.0	0.1875	14.807	8.826	240.8	19.02	78.97	81.9	31.4	30.2
149.0	0.1875	14.656	8.735	233.4	18.80	78.16	81.9	30.8	29.9
150.0	0.1875	14.505	8.644	226.2	18.58	77.36	81.9	30.1	29.6

12,889.5

5,678.0

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



8/28/2014 1:41:51 PM  
 Page : 6

© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

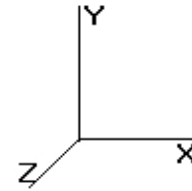
**Shaft Segment Forces (Factored)**

Seg Top								Ice				Wind	Dead	Tot Dead	
Elev	Description	Kzt	Kz	qz	qzGh	C	Cf	Thick	Tributary	Ap	EPAs	Force X	Load Ice	Load	
(ft)				(psf)	(psf)	(mph-ft)		(in)	(ft)	(sf)	(sf)	(lb)	(lb)	(lb)	
0.00		1.00	0.70	15.364	16.90	246.86	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0	
1.00		1.00	0.70	15.364	16.90	245.82	1.000	0.000	1.00	3.099	3.10	83.8	0.0	242.1	
2.00		1.00	0.70	15.364	16.90	244.79	1.000	0.000	1.00	3.086	3.09	83.5	0.0	241.3	
3.00		1.00	0.70	15.364	16.90	243.75	1.000	0.000	1.00	3.073	3.07	83.1	0.0	240.6	
4.00		1.00	0.70	15.364	16.90	242.72	1.000	0.000	1.00	3.060	3.06	82.8	0.0	239.9	
5.00		1.00	0.70	15.364	16.90	241.68	1.200	*	0.000	1.00	3.047	3.66	98.9	0.0	239.1
6.00		1.00	0.70	15.364	16.90	240.65	1.200	*	0.000	1.00	3.034	3.64	98.5	0.0	238.4
7.00		1.00	0.70	15.364	16.90	239.62	1.200	*	0.000	1.00	3.021	3.63	98.0	0.0	237.6
8.00		1.00	0.70	15.364	16.90	238.58	1.200	*	0.000	1.00	3.008	3.61	97.6	0.0	236.9
9.00		1.00	0.70	15.364	16.90	237.55	1.200	*	0.000	1.00	2.995	3.59	97.2	0.0	236.1
10.00		1.00	0.70	15.364	16.90	236.51	1.200	*	0.000	1.00	2.982	3.58	96.8	0.0	235.4
11.00		1.00	0.70	15.364	16.90	235.48	1.200	*	0.000	1.00	2.969	3.56	96.3	0.0	234.6
12.00		1.00	0.70	15.364	16.90	234.45	1.200	*	0.000	1.00	2.956	3.55	95.9	0.0	233.9
13.00		1.00	0.70	15.364	16.90	233.41	1.200	*	0.000	1.00	2.943	3.53	95.5	0.0	233.2
14.00		1.00	0.70	15.364	16.90	232.38	1.200	*	0.000	1.00	2.930	3.52	95.1	0.0	232.4
15.00		1.00	0.70	15.364	16.90	231.34	1.200	*	0.000	1.00	2.917	3.50	94.7	0.0	231.7
16.00		1.00	0.70	15.364	16.90	230.31	1.200	*	0.000	1.00	2.904	3.49	94.2	0.0	230.9
17.00		1.00	0.70	15.364	16.90	229.28	1.200	*	0.000	1.00	2.891	3.47	93.8	0.0	230.2
18.00		1.00	0.70	15.364	16.90	228.24	1.200	*	0.000	1.00	2.878	3.45	93.4	0.0	229.4
19.00		1.00	0.70	15.364	16.90	227.21	1.200	*	0.000	1.00	2.865	3.44	93.0	0.0	228.7
20.00		1.00	0.70	15.364	16.90	226.17	1.200	*	0.000	1.00	2.852	3.42	92.5	0.0	228.0
21.00		1.00	0.70	15.364	16.90	225.14	1.200	*	0.000	1.00	2.839	3.41	92.1	0.0	227.2
22.00		1.00	0.70	15.364	16.90	224.11	1.200	*	0.000	1.00	2.826	3.39	91.7	0.0	226.5
23.00		1.00	0.70	15.364	16.90	223.07	1.200	*	0.000	1.00	2.813	3.38	91.3	0.0	225.7
24.00		1.00	0.70	15.364	16.90	222.04	1.200	*	0.000	1.00	2.800	3.36	90.9	0.0	225.0
25.00		1.00	0.70	15.364	16.90	221.00	1.200	*	0.000	1.00	2.787	3.34	90.4	0.0	224.2
26.00		1.00	0.70	15.364	16.90	219.97	1.200	*	0.000	1.00	2.774	3.33	90.0	0.0	223.5
27.00		1.00	0.70	15.364	16.90	218.94	1.200	*	0.000	1.00	2.761	3.31	89.6	0.0	222.7
28.00		1.00	0.70	15.364	16.90	217.90	1.200	*	0.000	1.00	2.748	3.30	89.2	0.0	222.0
29.00		1.00	0.70	15.364	16.90	216.87	1.200	*	0.000	1.00	2.735	3.28	88.7	0.0	221.3
30.00		1.00	0.70	15.377	16.91	215.92	1.200	*	0.000	1.00	2.722	3.27	88.4	0.0	220.5
31.00		1.00	0.70	15.522	17.07	215.90	1.200	*	0.000	1.00	2.709	3.25	88.8	0.0	219.8
31.50	Bot - Section 2	1.00	0.71	15.593	17.15	215.87	1.200	*	0.000	0.50	1.359	1.63	44.7	0.0	110.3
32.00		1.00	0.71	15.663	17.23	215.84	1.200	*	0.000	0.50	1.364	1.64	45.1	0.0	173.0
33.00		1.00	0.72	15.802	17.38	215.74	1.200	*	0.000	1.00	2.737	3.28	91.3	0.0	347.4
34.00	Appertunance(s)	1.00	0.72	15.937	17.53	215.61	1.200	*	0.000	1.00	2.724	3.27	91.7	0.0	346.0
35.00	Appertunance(s)	1.00	0.73	16.070	17.67	215.44	1.200	*	0.000	1.00	2.711	3.25	92.0	0.0	344.6
35.67	Top - Section 1	1.00	0.73	16.157	17.77	215.32	1.200	*	0.000	0.67	1.809	2.17	61.7	0.0	230.1
36.00		1.00	0.73	16.199	17.81	219.65	1.200	*	0.000	0.33	0.889	1.07	30.4	0.0	64.0
37.00		1.00	0.74	16.327	17.95	219.45	1.200	*	0.000	1.00	2.685	3.22	92.6	0.0	193.4
38.00		1.00	0.75	16.452	18.09	219.22	1.200	*	0.000	1.00	2.672	3.21	92.8	0.0	192.8
39.00		1.00	0.75	16.574	18.23	218.96	1.200	*	0.000	1.00	2.659	3.19	93.1	0.0	192.1
40.00		1.00	0.76	16.694	18.36	218.67	1.200	*	0.000	1.00	2.646	3.18	93.3	0.0	191.5
41.00		1.00	0.76	16.813	18.49	218.36	1.200	*	0.000	1.00	2.633	3.16	93.5	0.0	190.9
42.00		1.00	0.77	16.929	18.62	218.03	1.200	*	0.000	1.00	2.620	3.14	93.7	0.0	190.3
43.00		1.00	0.77	17.043	18.74	217.68	1.200	*	0.000	1.00	2.607	3.13	93.8	0.0	189.7
44.00		1.00	0.78	17.155	18.87	217.30	1.200	*	0.000	1.00	2.594	3.11	94.0	0.0	189.0
45.00		1.00	0.78	17.266	18.99	216.90	1.200	*	0.000	1.00	2.581	3.10	94.1	0.0	188.4
46.00		1.00	0.79	17.375	19.11	216.48	1.200	*	0.000	1.00	2.568	3.08	94.2	0.0	187.8
47.00		1.00	0.79	17.482	19.23	216.05	1.200	*	0.000	1.00	2.555	3.07	94.3	0.0	187.2
48.00		1.00	0.80	17.587	19.34	215.59	1.200	*	0.000	1.00	2.542	3.05	94.4	0.0	186.6



Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

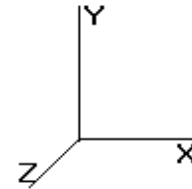
Dead Load Factor : 1.20

Wind Load Factor : 1.60

49.00		1.00	0.80	17.691	19.46	215.12	1.200	*	0.000	1.00	2.529	3.03	94.5	0.0	186.0
50.00		1.00	0.81	17.793	19.57	214.63	1.200	*	0.000	1.00	2.516	3.02	94.5	0.0	185.3
51.00		1.00	0.81	17.894	19.68	214.12	1.200	*	0.000	1.00	2.503	3.00	94.6	0.0	184.7
52.00		1.00	0.82	17.994	19.79	213.59	1.200	*	0.000	1.00	2.490	2.99	94.6	0.0	184.1
53.00		1.00	0.82	18.092	19.90	213.05	1.200	*	0.000	1.00	2.477	2.97	94.6	0.0	183.5
54.00		1.00	0.82	18.189	20.00	212.50	1.200	*	0.000	1.00	2.464	2.96	94.6	0.0	182.9
55.00		1.00	0.83	18.285	20.11	211.93	1.200	*	0.000	1.00	2.451	2.94	94.6	0.0	182.2
56.00		1.00	0.83	18.379	20.21	211.34	1.200	*	0.000	1.00	2.438	2.93	94.6	0.0	181.6
57.00		1.00	0.84	18.472	20.31	210.75	1.200	*	0.000	1.00	2.425	2.91	94.6	0.0	181.0
58.00		1.00	0.84	18.564	20.42	210.13	1.200	*	0.000	1.00	2.412	2.89	94.6	0.0	180.4
59.00		1.00	0.85	18.655	20.52	209.51	1.200	*	0.000	1.00	2.399	2.88	94.5	0.0	179.8
60.00		1.00	0.85	18.745	20.61	208.87	1.200	*	0.000	1.00	2.386	2.86	94.4	0.0	179.1
61.00		1.00	0.85	18.834	20.71	208.22	1.200	*	0.000	1.00	2.373	2.85	94.4	0.0	178.5
62.00		1.00	0.86	18.921	20.81	207.55	1.200	*	0.000	1.00	2.360	2.83	94.3	0.0	177.9
63.00		1.00	0.86	19.008	20.90	206.88	1.200	*	0.000	1.00	2.347	2.82	94.2	0.0	177.3
64.00		1.00	0.87	19.094	21.00	206.19	1.200	*	0.000	1.00	2.334	2.80	94.1	0.0	176.7
65.00		1.00	0.87	19.179	21.09	205.49	1.200	*	0.000	1.00	2.321	2.78	94.0	0.0	176.0
66.00		1.00	0.87	19.262	21.18	204.78	1.200	*	0.000	1.00	2.308	2.77	93.9	0.0	175.4
67.00		1.00	0.88	19.345	21.28	204.06	1.200	*	0.000	1.00	2.295	2.75	93.8	0.0	174.8
68.00		1.00	0.88	19.427	21.37	203.33	1.200	*	0.000	1.00	2.282	2.74	93.6	0.0	174.2
69.00		1.00	0.88	19.509	21.45	202.59	1.200	*	0.000	1.00	2.269	2.72	93.5	0.0	173.6
70.00		1.00	0.89	19.589	21.54	201.84	1.200	*	0.000	1.00	2.256	2.71	93.3	0.0	172.9
70.05	Bot - Section 3	1.00	0.89	19.593	21.55	201.80	1.200	*	0.000	0.05	0.120	0.14	5.0	0.0	9.2
71.00		1.00	0.89	19.669	21.63	201.08	1.200	*	0.000	0.95	2.163	2.60	89.9	0.0	244.8
72.00		1.00	0.90	19.747	21.72	200.31	1.200	*	0.000	1.00	2.273	2.73	94.8	0.0	257.5
73.00		1.00	0.90	19.825	21.80	199.53	1.200	*	0.000	1.00	2.260	2.71	94.6	0.0	256.4
73.55	Top - Section 2	1.00	0.90	19.868	21.85	199.10	1.200	*	0.000	0.55	1.245	1.49	52.2	0.0	141.4
74.00		1.00	0.90	19.902	21.89	202.65	1.200	*	0.000	0.45	1.002	1.20	42.1	0.0	67.6
75.00		1.00	0.91	19.979	21.97	201.86	1.200	*	0.000	1.00	2.234	2.68	94.2	0.0	151.1
76.00		1.00	0.91	20.055	22.06	201.06	1.200	*	0.000	1.00	2.221	2.66	94.1	0.0	150.6
77.00		1.00	0.91	20.130	22.14	200.25	1.200	*	0.000	1.00	2.208	2.65	93.9	0.0	150.1
78.00		1.00	0.92	20.204	22.22	199.43	1.200	*	0.000	1.00	2.195	2.63	93.6	0.0	149.6
79.00		1.00	0.92	20.278	22.30	198.61	1.200	*	0.000	1.00	2.182	2.62	93.4	0.0	149.1
80.00		1.00	0.92	20.351	22.38	197.78	1.200	*	0.000	1.00	2.169	2.60	93.2	0.0	148.6
81.00		1.00	0.93	20.423	22.46	196.93	1.200	*	0.000	1.00	2.156	2.59	93.0	0.0	148.1
82.00		1.00	0.93	20.495	22.54	196.09	1.200	*	0.000	1.00	2.143	2.57	92.7	0.0	147.6
83.00		1.00	0.93	20.566	22.62	195.23	1.200	*	0.000	1.00	2.130	2.56	92.5	0.0	147.1
84.00		1.00	0.94	20.636	22.70	194.36	1.200	*	0.000	1.00	2.117	2.54	92.2	0.0	146.6
85.00	Reinf. Top	1.00	0.94	20.706	22.77	193.49	1.200	*	0.000	1.00	2.104	2.52	92.0	0.0	146.1
86.00		1.00	0.94	20.776	22.85	192.61	1.200	*	0.000	1.00	2.091	2.51	91.7	0.0	78.8
87.00		1.00	0.95	20.844	22.92	191.73	1.200	*	0.000	1.00	2.078	2.49	91.5	0.0	78.3
88.00		1.00	0.95	20.913	23.00	190.84	1.200	*	0.000	1.00	2.065	2.48	91.2	0.0	77.8
89.00		1.00	0.95	20.980	23.07	189.94	1.200	*	0.000	1.00	2.052	2.46	90.9	0.0	77.3
90.00		1.00	0.95	21.047	23.15	189.03	1.200	*	0.000	1.00	2.038	2.45	90.6	0.0	76.8
91.00		1.00	0.96	21.114	23.22	188.11	1.200	*	0.000	1.00	2.025	2.43	90.3	0.0	76.4
92.00		1.00	0.96	21.180	23.29	187.19	1.000	0.000	1.00	2.012	2.01	75.0	0.0	75.9	
93.00		1.00	0.96	21.245	23.37	186.27	1.000	0.000	1.00	1.999	2.00	74.8	0.0	75.4	
94.00		1.00	0.97	21.310	23.44	185.33	1.000	0.000	1.00	1.986	1.99	74.5	0.0	74.9	
95.00		1.00	0.97	21.375	23.51	184.40	1.000	0.000	1.00	1.973	1.97	74.2	0.0	74.4	
96.00		1.00	0.97	21.439	23.58	183.45	1.000	0.000	1.00	1.960	1.96	74.0	0.0	73.9	
97.00		1.00	0.98	21.503	23.65	182.50	1.000	0.000	1.00	1.947	1.95	73.7	0.0	73.4	
98.00		1.00	0.98	21.566	23.72	181.54	1.000	0.000	1.00	1.934	1.93	73.4	0.0	72.9	
99.00		1.00	0.98	21.628	23.79	180.58	1.000	0.000	1.00	1.921	1.92	73.1	0.0	72.4	
100.00		1.00	0.98	21.690	23.86	179.61	1.000	0.000	1.00	1.908	1.91	72.9	0.0	71.9	
101.00		1.00	0.99	21.752	23.92	178.63	1.000	0.000	1.00	1.895	1.90	72.6	0.0	71.4	
102.00		1.00	0.99	21.814	23.99	177.65	1.000	0.000	1.00	1.882	1.88	72.3	0.0	70.9	
103.00		1.00	0.99	21.874	24.06	176.67	1.000	0.000	1.00	1.869	1.87	72.0	0.0	70.4	

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

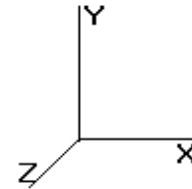
Wind Load Factor : 1.60

104.0		1.00	0.99	21.935	24.12	175.68	1.000	0.000	1.00	1.856	1.86	71.7	0.0	69.9
105.0		1.00	1.00	21.995	24.19	174.68	1.000	0.000	1.00	1.843	1.84	71.4	0.0	69.4
106.0		1.00	1.00	22.055	24.26	173.68	1.000	0.000	1.00	1.830	1.83	71.0	0.0	68.9
107.0		1.00	1.00	22.114	24.32	172.67	1.000	0.000	1.00	1.817	1.82	70.7	0.0	68.4
108.0		1.00	1.01	22.173	24.39	171.66	1.000	0.000	1.00	1.804	1.80	70.4	0.0	67.9
109.0		1.00	1.01	22.231	24.45	170.64	1.000	0.000	1.00	1.791	1.79	70.1	0.0	67.4
110.0		1.00	1.01	22.289	24.51	169.62	1.000	0.000	1.00	1.778	1.78	69.8	0.0	66.9
110.0	Top - Section 3	1.00	1.01	22.292	24.52	169.56	1.000	0.000	0.05	0.094	0.09	3.7	0.0	3.6
111.0		1.00	1.01	22.347	24.58	168.59	1.000	0.000	0.95	1.671	1.67	65.7	0.0	47.3
112.0		1.00	1.02	22.404	24.64	167.56	1.000	0.000	1.00	1.752	1.75	69.1	0.0	49.6
113.0		1.00	1.02	22.461	24.70	166.52	1.000	0.000	1.00	1.739	1.74	68.8	0.0	49.2
114.0		1.00	1.02	22.518	24.77	165.48	1.000	0.000	1.00	1.726	1.73	68.4	0.0	48.9
115.0		1.00	1.02	22.574	24.83	164.43	1.000	0.000	1.00	1.713	1.71	68.1	0.0	48.5
116.0		1.00	1.03	22.630	24.89	163.38	1.000	0.000	1.00	1.700	1.70	67.7	0.0	48.1
117.0		1.00	1.03	22.686	24.95	162.32	1.000	0.000	1.00	1.687	1.69	67.4	0.0	47.8
118.0	Appertunance(s)	1.00	1.03	22.741	25.01	161.26	1.000	0.000	1.00	1.674	1.67	67.0	0.0	47.4
119.0		1.00	1.03	22.796	25.07	160.20	1.000	0.000	1.00	1.661	1.66	66.6	0.0	47.0
120.0		1.00	1.04	22.850	25.13	159.13	1.000	0.000	1.00	1.648	1.65	66.3	0.0	46.6
121.0		1.00	1.04	22.905	25.19	158.05	1.003	* 0.000	1.00	1.635	1.64	66.1	0.0	46.3
122.0		1.00	1.04	22.959	25.25	156.97	1.005	* 0.000	1.00	1.622	1.63	65.9	0.0	45.9
123.0		1.00	1.04	23.012	25.31	155.89	1.008	* 0.000	1.00	1.609	1.62	65.7	0.0	45.5
124.0		1.00	1.05	23.065	25.37	154.81	1.010	* 0.000	1.00	1.596	1.61	65.5	0.0	45.1
125.0		1.00	1.05	23.118	25.43	153.72	1.013	* 0.000	1.00	1.583	1.60	65.2	0.0	44.8
126.0		1.00	1.05	23.171	25.48	152.62	1.015	* 0.000	1.00	1.570	1.59	65.0	0.0	44.4
127.0		1.00	1.05	23.223	25.54	151.52	1.018	* 0.000	1.00	1.557	1.58	64.8	0.0	44.0
128.0	Appertunance(s)	1.00	1.06	23.276	25.60	150.42	1.021	* 0.000	1.00	1.544	1.58	64.6	0.0	43.7
129.0		1.00	1.06	23.327	25.66	149.31	1.000	0.000	1.00	1.531	1.53	62.9	0.0	43.3
130.0		1.00	1.06	23.379	25.71	148.20	1.000	0.000	1.00	1.518	1.52	62.5	0.0	42.9
131.0		1.00	1.06	23.430	25.77	147.09	1.000	0.000	1.00	1.505	1.51	62.1	0.0	42.5
132.0		1.00	1.07	23.481	25.82	145.97	1.000	0.000	1.00	1.492	1.49	61.7	0.0	42.2
133.0		1.00	1.07	23.532	25.88	144.85	1.000	0.000	1.00	1.479	1.48	61.3	0.0	41.8
134.0		1.00	1.07	23.582	25.94	143.72	1.000	0.000	1.00	1.466	1.47	60.8	0.0	41.4
135.0		1.00	1.07	23.632	25.99	142.59	1.000	0.000	1.00	1.453	1.45	60.4	0.0	41.1
136.0		1.00	1.07	23.682	26.05	141.46	1.000	0.000	1.00	1.440	1.44	60.0	0.0	40.7
137.0		1.00	1.08	23.732	26.10	140.32	1.000	0.000	1.00	1.427	1.43	59.6	0.0	40.3
138.0	Appertunance(s)	1.00	1.08	23.781	26.15	139.18	1.000	0.000	1.00	1.414	1.41	59.2	0.0	39.9
139.0		1.00	1.08	23.830	26.21	138.03	1.000	0.000	1.00	1.401	1.40	58.8	0.0	39.6
140.0		1.00	1.08	23.879	26.26	136.89	1.000	0.000	1.00	1.388	1.39	58.3	0.0	39.2
141.0		1.00	1.09	23.928	26.32	135.74	1.000	0.000	1.00	1.375	1.37	57.9	0.0	38.8
142.0		1.00	1.09	23.976	26.37	134.58	1.000	0.000	1.00	1.362	1.36	57.5	0.0	38.5
143.0		1.00	1.09	24.024	26.42	133.42	1.000	0.000	1.00	1.349	1.35	57.0	0.0	38.1
144.0		1.00	1.09	24.072	26.47	132.26	1.000	0.000	1.00	1.336	1.34	56.6	0.0	37.7
145.0		1.00	1.09	24.120	26.53	131.10	1.000	0.000	1.00	1.323	1.32	56.2	0.0	37.3
146.0		1.00	1.10	24.167	26.58	129.93	1.000	0.000	1.00	1.310	1.31	55.7	0.0	37.0
147.0		1.00	1.10	24.214	26.63	128.76	1.000	0.000	1.00	1.297	1.30	55.3	0.0	36.6
148.0		1.00	1.10	24.261	26.68	127.58	1.000	0.000	1.00	1.284	1.28	54.8	0.0	36.2
149.0		1.00	1.10	24.308	26.73	126.40	1.000	0.000	1.00	1.271	1.27	54.4	0.0	35.9
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	125.22	1.000	0.000	1.00	1.258	1.26	53.9	0.0	35.5

\* = Cf Adjusted By Linear Load Ra Effect                      Totals:                      150.00                      12,325.9                      0.0                      21,145.4

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



8/28/2014 1:41:52 PM  
 Page: 9

© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

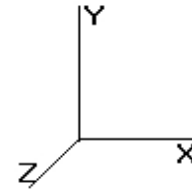
Wind Load Factor : 1.60

**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
34.00	GPS	1	15.937	17.531	1.00	1.00	1.00	0.000	0.000	28.05	0.00	0.00	12.00
34.00	Stand-off	1	15.937	17.531	1.00	1.00	2.00	0.000	0.000	56.10	0.00	0.00	60.00
35.00	Stand-off	1	16.070	17.676	1.00	1.00	2.00	0.000	0.000	56.56	0.00	0.00	60.00
35.00	GPS	1	16.070	17.676	1.00	1.00	1.00	0.000	0.000	28.28	0.00	0.00	12.00
118.0	Argus LLPX310R	3	22.741	25.015	0.63	0.80	6.49	0.000	0.000	259.61	0.00	0.00	102.96
118.0	Clearwire Mount	1	22.741	25.015	1.00	1.00	8.50	0.000	0.000	340.20	0.00	0.00	48.00
118.0	DragonWave A-ANT-	1	22.741	25.015	1.00	1.00	1.61	0.000	0.000	64.44	0.00	0.00	18.00
118.0	DragonWave A-ANT-	2	22.741	25.015	1.00	1.00	9.38	0.000	0.000	375.42	0.00	0.00	29.52
118.0	DragonWave Horizon	3	22.741	25.015	0.50	0.80	0.52	0.000	0.000	20.65	0.00	0.00	38.16
118.0	Generic 12" x 12" Ju	1	22.741	25.015	0.50	1.00	0.60	0.000	0.000	24.01	0.00	0.00	12.00
118.0	NextNet BTS-2500	3	22.741	25.015	0.50	1.00	2.73	0.000	0.000	109.27	0.00	0.00	126.00
128.0	Ericsson AIR 21, 1.3	3	23.276	25.603	0.70	0.80	10.21	0.000	0.000	418.43	0.00	0.00	329.40
128.0	Ericsson AIR 21, 1.3	3	23.276	25.603	0.70	0.80	10.15	0.000	0.000	415.68	0.00	0.00	325.44
128.0	Round Sector Frame	1	23.276	25.603	0.75	0.75	5.63	0.000	0.000	230.43	0.00	0.00	360.00
138.0	Alcatel-Lucent 4X40W	6	23.781	26.159	0.50	0.80	5.57	0.000	0.000	233.05	0.00	0.00	428.40
138.0	Alcatel-Lucent 800 M	3	23.781	26.159	0.50	0.80	3.00	0.000	0.000	125.57	0.00	0.00	222.48
138.0	RFS APXV9ERR18-C-	2	23.781	26.159	0.71	0.80	9.11	0.000	0.000	381.33	0.00	0.00	148.80
138.0	RFS APXVSPP18-C-	1	23.781	26.159	0.69	0.80	4.56	0.000	0.000	190.84	0.00	0.00	68.40
138.0	RFS IBC1900BB-1	3	23.781	26.159	0.50	0.80	1.16	0.000	0.000	48.72	0.00	0.00	79.20
138.0	RFS IBC1900HG-2A	3	23.781	26.159	0.50	0.80	1.16	0.000	0.000	48.72	0.00	0.00	79.20
138.0	T-Arms	3	23.781	26.159	0.67	0.75	7.54	0.000	0.000	315.48	0.00	0.00	900.00
138.0	RFS APXVTM14-C-I20	3	23.781	26.159	0.66	0.80	10.04	0.000	0.000	420.33	0.00	0.00	190.44
138.0	Alcatel-Lucent TD-RR	3	23.781	26.159	0.50	0.80	4.86	0.000	0.000	203.42	0.00	0.00	216.00
150.0	6' Omni	1	24.584	27.042	1.00	1.00	1.76	0.000	5.000	76.15	0.00	380.75	42.00
150.0	ADC DD1900	12	24.584	27.042	0.50	0.75	4.91	0.000	5.000	212.23	0.00	1,061.14	174.24
150.0	CSS DUO4-8670	6	24.584	27.042	0.70	0.75	18.24	0.000	5.000	789.14	0.00	3,945.68	277.20
150.0	Ericsson RRUS 11	6	24.401	26.841	0.50	0.75	5.67	0.000	1.000	243.50	0.00	243.50	396.00
150.0	Kathrein 860 10025	6	24.584	27.042	0.50	1.00	0.54	0.000	5.000	23.36	0.00	116.82	8.64
150.0	KMW AM-X-CD-16-65-	3	24.584	27.042	0.79	0.75	14.26	0.000	5.000	616.80	0.00	3,084.02	174.60
150.0	Flat Platform w/ Han	1	24.355	26.790	1.00	1.00	38.00	0.000	0.000	1,628.84	0.00	0.00	2,400.00
150.0	Raycap DC6-48-60-18-	1	24.401	26.841	1.00	1.00	1.28	0.000	1.000	54.97	0.00	54.97	38.16
										8,039.59			7,377.24

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

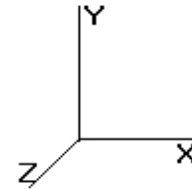
Wind Load Factor : 1.60

**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.219	0.000	5.35	5.90
5.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.219	0.000	13.06	0.00
5.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.219	0.000	0.00	0.18
5.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.219	0.000	0.00	0.18
6.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.220	0.000	5.35	5.90
6.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.220	0.000	13.06	0.00
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.220	0.000	0.00	0.18
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.220	0.000	0.00	0.18
7.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.221	0.000	5.35	5.90
7.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.221	0.000	13.06	0.00
7.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.221	0.000	0.00	0.18
7.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.221	0.000	0.00	0.18
8.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.222	0.000	5.35	5.90
8.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.222	0.000	13.06	0.00
8.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.222	0.000	0.00	0.18
8.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.222	0.000	0.00	0.18
9.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.223	0.000	5.35	5.90
9.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.223	0.000	13.06	0.00
9.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.223	0.000	0.00	0.18
9.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.223	0.000	0.00	0.18
10.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.224	0.000	5.35	5.90
10.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.224	0.000	13.06	0.00
10.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.224	0.000	0.00	0.18
10.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.224	0.000	0.00	0.18
11.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.225	0.000	5.35	5.90
11.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.225	0.000	13.06	0.00
11.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.225	0.000	0.00	0.18
11.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.225	0.000	0.00	0.18
12.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.226	0.000	5.35	5.90
12.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.226	0.000	13.06	0.00
12.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.226	0.000	0.00	0.18
12.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.226	0.000	0.00	0.18
13.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.227	0.000	5.35	5.90
13.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.227	0.000	13.06	0.00
13.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.227	0.000	0.00	0.18
13.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.227	0.000	0.00	0.18
14.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.228	0.000	5.35	5.90
14.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.228	0.000	13.06	0.00
14.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.228	0.000	0.00	0.18
14.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.228	0.000	0.00	0.18
15.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.229	0.000	5.35	5.90
15.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.229	0.000	13.06	0.00
15.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.229	0.000	0.00	0.18
15.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.229	0.000	0.00	0.18
16.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.230	0.000	5.35	5.90
16.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.230	0.000	13.06	0.00
16.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.230	0.000	0.00	0.18
16.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.230	0.000	0.00	0.18
17.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.231	0.000	5.35	5.90
17.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.231	0.000	13.06	0.00
17.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.231	0.000	0.00	0.18

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

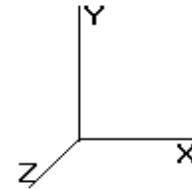
Dead Load Factor : 1.20

Wind Load Factor : 1.60

17.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.231	0.000	0.00	0.18
18.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.232	0.000	5.35	5.90
18.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.232	0.000	13.06	0.00
18.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.232	0.000	0.00	0.18
18.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.232	0.000	0.00	0.18
19.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.233	0.000	5.35	5.90
19.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.233	0.000	13.06	0.00
19.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.233	0.000	0.00	0.18
19.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.233	0.000	0.00	0.18
20.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.234	0.000	5.35	5.90
20.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.234	0.000	13.06	0.00
20.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.234	0.000	0.00	0.18
20.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.234	0.000	0.00	0.18
21.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.235	0.000	5.35	5.90
21.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.235	0.000	13.06	0.00
21.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.235	0.000	0.00	0.18
21.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.235	0.000	0.00	0.18
22.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.236	0.000	5.35	5.90
22.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.236	0.000	13.06	0.00
22.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.236	0.000	0.00	0.18
22.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.236	0.000	0.00	0.18
23.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.237	0.000	5.35	5.90
23.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.237	0.000	13.06	0.00
23.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.237	0.000	0.00	0.18
23.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.237	0.000	0.00	0.18
24.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.238	0.000	5.35	5.90
24.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.238	0.000	13.06	0.00
24.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.238	0.000	0.00	0.18
24.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.238	0.000	0.00	0.18
25.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.239	0.000	5.35	5.90
25.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.239	0.000	13.06	0.00
25.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.239	0.000	0.00	0.18
25.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.239	0.000	0.00	0.18
26.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.240	0.000	5.35	5.90
26.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.240	0.000	13.06	0.00
26.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.240	0.000	0.00	0.18
26.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.240	0.000	0.00	0.18
27.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.241	0.000	5.35	5.90
27.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.241	0.000	13.06	0.00
27.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.241	0.000	0.00	0.18
27.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.241	0.000	0.00	0.18
28.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.243	0.000	5.35	5.90
28.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.243	0.000	13.06	0.00
28.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.243	0.000	0.00	0.18
28.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.243	0.000	0.00	0.18
29.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.244	0.000	5.35	5.90
29.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.244	0.000	13.06	0.00
29.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.244	0.000	0.00	0.18
29.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.244	0.000	0.00	0.18
30.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.377	0.245	0.000	5.36	5.90
30.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.377	0.245	0.000	13.07	0.00
30.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.377	0.245	0.000	0.00	0.18
30.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.377	0.245	0.000	0.00	0.18
31.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.522	0.246	0.000	5.41	5.90
31.00	(4) #20 Dywidag Bars	Yes	1.00	0.958	6.02	0.50	0.48	15.522	0.246	0.000	13.13	0.00
31.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.522	0.246	0.000	0.00	0.18
31.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.522	0.246	0.000	0.00	0.18

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

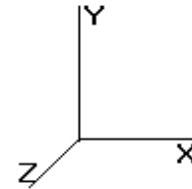
Dead Load Factor : 1.20

Wind Load Factor : 1.60

31.50	(6) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	15.593	0.247	0.000	2.74	2.97
31.50	(4) #20 Dywidag Bars	Yes	0.50	0.956	6.02	0.25	0.24	15.593	0.247	0.000	6.62	0.00
31.50	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	15.593	0.247	0.000	0.00	0.09
31.50	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	15.593	0.247	0.000	0.00	0.09
32.00	(6) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	15.663	0.248	0.000	2.71	2.93
32.00	(4) #20 Dywidag Bars	Yes	0.50	0.954	6.02	0.25	0.24	15.663	0.248	0.000	6.55	0.00
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	15.663	0.248	0.000	0.00	0.09
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	15.663	0.248	0.000	0.00	0.09
33.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.802	0.248	0.000	5.51	5.90
33.00	(4) #20 Dywidag Bars	Yes	1.00	0.950	6.02	0.50	0.48	15.802	0.248	0.000	13.25	0.00
33.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.802	0.248	0.000	0.00	0.18
33.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.802	0.248	0.000	0.00	0.18
34.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.937	0.250	0.000	5.55	5.90
34.00	(4) #20 Dywidag Bars	Yes	1.00	0.946	6.02	0.50	0.47	15.937	0.250	0.000	13.31	0.00
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.937	0.250	0.000	0.00	0.18
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.937	0.250	0.000	0.00	0.18
35.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.070	0.251	0.000	5.60	5.90
35.00	(4) #20 Dywidag Bars	Yes	1.00	0.942	6.02	0.50	0.47	16.070	0.251	0.000	13.36	0.00
35.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	16.070	0.251	0.000	0.00	0.18
35.67	(6) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	16.157	0.252	0.000	3.77	3.96
35.67	(4) #20 Dywidag Bars	Yes	0.67	0.939	6.02	0.34	0.32	16.157	0.252	0.000	8.98	0.00
36.00	(6) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	16.199	0.248	0.000	1.86	1.95
36.00	(4) #20 Dywidag Bars	Yes	0.33	0.938	6.02	0.17	0.16	16.199	0.248	0.000	4.43	0.00
37.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.327	0.248	0.000	5.69	5.90
37.00	(4) #20 Dywidag Bars	Yes	1.00	0.934	6.02	0.50	0.47	16.327	0.248	0.000	13.47	0.00
38.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.452	0.250	0.000	5.73	5.90
38.00	(4) #20 Dywidag Bars	Yes	1.00	0.931	6.02	0.50	0.47	16.452	0.250	0.000	13.52	0.00
39.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.574	0.251	0.000	5.78	5.90
39.00	(4) #20 Dywidag Bars	Yes	1.00	0.927	6.02	0.50	0.47	16.574	0.251	0.000	13.57	0.00
40.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.694	0.252	0.000	5.82	5.90
40.00	(4) #20 Dywidag Bars	Yes	1.00	0.924	6.02	0.50	0.46	16.694	0.252	0.000	13.62	0.00
41.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.813	0.253	0.000	5.86	5.90
41.00	(4) #20 Dywidag Bars	Yes	1.00	0.921	6.02	0.50	0.46	16.813	0.253	0.000	13.67	0.00
42.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.929	0.254	0.000	5.90	5.90
42.00	(4) #20 Dywidag Bars	Yes	1.00	0.917	6.02	0.50	0.46	16.929	0.254	0.000	13.71	0.00
43.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.043	0.256	0.000	5.94	5.90
43.00	(4) #20 Dywidag Bars	Yes	1.00	0.914	6.02	0.50	0.46	17.043	0.256	0.000	13.76	0.00
44.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.155	0.257	0.000	5.98	5.90
44.00	(4) #20 Dywidag Bars	Yes	1.00	0.911	6.02	0.50	0.46	17.155	0.257	0.000	13.80	0.00
45.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.266	0.258	0.000	6.02	5.90
45.00	(4) #20 Dywidag Bars	Yes	1.00	0.908	6.02	0.50	0.46	17.266	0.258	0.000	13.85	0.00
46.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.375	0.260	0.000	6.05	5.90
46.00	(4) #20 Dywidag Bars	Yes	1.00	0.906	6.02	0.50	0.45	17.375	0.260	0.000	13.89	0.00
47.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.482	0.261	0.000	6.09	5.90
47.00	(4) #20 Dywidag Bars	Yes	1.00	0.903	6.02	0.50	0.45	17.482	0.261	0.000	13.94	0.00
48.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.587	0.262	0.000	6.13	5.90
48.00	(4) #20 Dywidag Bars	Yes	1.00	0.900	6.02	0.50	0.45	17.587	0.262	0.000	13.98	0.00
49.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.691	0.264	0.000	6.16	5.90
49.00	(4) #20 Dywidag Bars	Yes	1.00	0.897	6.02	0.50	0.45	17.691	0.264	0.000	14.02	0.00
50.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.793	0.265	0.000	6.20	5.90
50.00	(4) #20 Dywidag Bars	Yes	1.00	0.895	6.02	0.50	0.45	17.793	0.265	0.000	14.06	0.00
51.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.894	0.266	0.000	6.24	5.90
51.00	(4) #20 Dywidag Bars	Yes	1.00	0.892	6.02	0.50	0.45	17.894	0.266	0.000	14.10	0.00
52.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.994	0.268	0.000	6.27	5.90
52.00	(4) #20 Dywidag Bars	Yes	1.00	0.890	6.02	0.50	0.45	17.994	0.268	0.000	14.14	0.00
53.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.092	0.269	0.000	6.30	5.90
53.00	(4) #20 Dywidag Bars	Yes	1.00	0.887	6.02	0.50	0.45	18.092	0.269	0.000	14.18	0.00

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

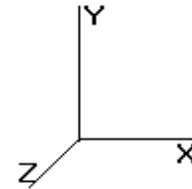
Wind Load Factor : 1.60

54.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.189	0.271	0.000	6.34	5.90
54.00	(4) #20 Dywidag Bars	Yes	1.00	0.885	6.02	0.50	0.44	18.189	0.271	0.000	14.21	0.00
55.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.285	0.272	0.000	6.37	5.90
55.00	(4) #20 Dywidag Bars	Yes	1.00	0.883	6.02	0.50	0.44	18.285	0.272	0.000	14.25	0.00
56.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.379	0.273	0.000	6.40	5.90
56.00	(4) #20 Dywidag Bars	Yes	1.00	0.881	6.02	0.50	0.44	18.379	0.273	0.000	14.29	0.00
57.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.472	0.275	0.000	6.44	5.90
57.00	(4) #20 Dywidag Bars	Yes	1.00	0.878	6.02	0.50	0.44	18.472	0.275	0.000	14.32	0.00
58.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.564	0.276	0.000	6.47	5.90
58.00	(4) #20 Dywidag Bars	Yes	1.00	0.876	6.02	0.50	0.44	18.564	0.276	0.000	14.36	0.00
59.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.655	0.278	0.000	6.50	5.90
59.00	(4) #20 Dywidag Bars	Yes	1.00	0.874	6.02	0.50	0.44	18.655	0.278	0.000	14.40	0.00
60.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.745	0.279	0.000	6.53	5.90
60.00	(4) #20 Dywidag Bars	Yes	1.00	0.872	6.02	0.50	0.44	18.745	0.279	0.000	14.43	0.00
61.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.834	0.281	0.000	6.56	5.90
61.00	(4) #20 Dywidag Bars	Yes	1.00	0.870	6.02	0.50	0.44	18.834	0.281	0.000	14.46	0.00
62.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.921	0.283	0.000	6.59	5.90
62.00	(4) #20 Dywidag Bars	Yes	1.00	0.868	6.02	0.50	0.44	18.921	0.283	0.000	14.50	0.00
63.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.008	0.284	0.000	6.62	5.90
63.00	(4) #20 Dywidag Bars	Yes	1.00	0.866	6.02	0.50	0.43	19.008	0.284	0.000	14.53	0.00
64.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.094	0.286	0.000	6.65	5.90
64.00	(4) #20 Dywidag Bars	Yes	1.00	0.864	6.02	0.50	0.43	19.094	0.286	0.000	14.56	0.00
65.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.179	0.287	0.000	6.68	5.90
65.00	(4) #20 Dywidag Bars	Yes	1.00	0.862	6.02	0.50	0.43	19.179	0.287	0.000	14.60	0.00
66.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.262	0.289	0.000	6.71	5.90
66.00	(4) #20 Dywidag Bars	Yes	1.00	0.860	6.02	0.50	0.43	19.262	0.289	0.000	14.63	0.00
67.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.345	0.291	0.000	6.74	5.90
67.00	(4) #20 Dywidag Bars	Yes	1.00	0.858	6.02	0.50	0.43	19.345	0.291	0.000	14.66	0.00
68.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.427	0.292	0.000	6.77	5.90
68.00	(4) #20 Dywidag Bars	Yes	1.00	0.856	6.02	0.50	0.43	19.427	0.292	0.000	14.69	0.00
69.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.509	0.294	0.000	6.80	5.90
69.00	(4) #20 Dywidag Bars	Yes	1.00	0.855	6.02	0.50	0.43	19.509	0.294	0.000	14.72	0.00
70.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.589	0.296	0.000	6.83	5.90
70.00	(4) #20 Dywidag Bars	Yes	1.00	0.853	6.02	0.50	0.43	19.589	0.296	0.000	14.75	0.00
70.05	(6) 1 5/8" Coax	Yes	0.05	1.200	1.98	0.01	0.01	19.593	0.296	0.000	0.36	0.31
70.05	(4) #20 Dywidag Bars	Yes	0.05	0.853	6.02	0.03	0.02	19.593	0.296	0.000	0.79	0.00
71.00	(6) 1 5/8" Coax	Yes	0.95	1.200	1.98	0.16	0.19	19.669	0.297	0.000	6.49	5.59
71.00	(4) #20 Dywidag Bars	Yes	0.95	0.851	6.02	0.47	0.40	19.669	0.297	0.000	13.99	0.00
72.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.747	0.299	0.000	6.88	5.90
72.00	(4) #20 Dywidag Bars	Yes	1.00	0.849	6.02	0.50	0.43	19.747	0.299	0.000	14.81	0.00
73.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.825	0.301	0.000	6.91	5.90
73.00	(4) #20 Dywidag Bars	Yes	1.00	0.848	6.02	0.50	0.43	19.825	0.301	0.000	14.84	0.00
73.55	(6) 1 5/8" Coax	Yes	0.55	1.200	1.98	0.09	0.11	19.868	0.302	0.000	3.83	3.27
73.55	(4) #20 Dywidag Bars	Yes	0.55	0.847	6.02	0.28	0.24	19.868	0.302	0.000	8.22	0.00
74.00	(6) 1 5/8" Coax	Yes	0.45	1.200	1.98	0.07	0.09	19.902	0.297	0.000	3.10	2.64
74.00	(4) #20 Dywidag Bars	Yes	0.45	0.846	6.02	0.22	0.19	19.902	0.297	0.000	6.64	0.00
75.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.979	0.298	0.000	6.96	5.90
75.00	(4) #20 Dywidag Bars	Yes	1.00	0.845	6.02	0.50	0.42	19.979	0.298	0.000	14.90	0.00
76.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.055	0.300	0.000	6.99	5.90
76.00	(4) #20 Dywidag Bars	Yes	1.00	0.843	6.02	0.50	0.42	20.055	0.300	0.000	14.93	0.00
77.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.130	0.302	0.000	7.01	5.90
77.00	(4) #20 Dywidag Bars	Yes	1.00	0.841	6.02	0.50	0.42	20.130	0.302	0.000	14.95	0.00
78.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.204	0.304	0.000	7.04	5.90
78.00	(4) #20 Dywidag Bars	Yes	1.00	0.840	6.02	0.50	0.42	20.204	0.304	0.000	14.98	0.00
79.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.278	0.306	0.000	7.07	5.90
79.00	(4) #20 Dywidag Bars	Yes	1.00	0.838	6.02	0.50	0.42	20.278	0.306	0.000	15.01	0.00
80.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.351	0.307	0.000	7.09	5.90



Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

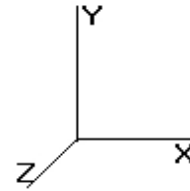
Wind Load Factor : 1.60

80.00	(4) #20 Dywidag Bars	Yes	1.00	0.837	6.02	0.50	0.42	20.351	0.307	0.000	15.04	0.00
81.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.423	0.309	0.000	7.12	5.90
81.00	(4) #20 Dywidag Bars	Yes	1.00	0.835	6.02	0.50	0.42	20.423	0.309	0.000	15.06	0.00
82.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.495	0.311	0.000	7.14	5.90
82.00	(4) #20 Dywidag Bars	Yes	1.00	0.834	6.02	0.50	0.42	20.495	0.311	0.000	15.09	0.00
83.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.566	0.313	0.000	7.17	5.90
83.00	(4) #20 Dywidag Bars	Yes	1.00	0.832	6.02	0.50	0.42	20.566	0.313	0.000	15.11	0.00
84.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.636	0.315	0.000	7.19	5.90
84.00	(4) #20 Dywidag Bars	Yes	1.00	0.831	6.02	0.50	0.42	20.636	0.315	0.000	15.14	0.00
85.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.706	0.317	0.000	7.22	5.90
85.00	(4) #20 Dywidag Bars	Yes	1.00	0.830	6.02	0.50	0.42	20.706	0.317	0.000	15.17	0.00
86.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.776	0.319	0.000	7.24	5.90
86.00	(4) #20 Dywidag Bars	Yes	1.00	0.828	6.02	0.50	0.42	20.776	0.319	0.000	15.19	0.00
87.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.844	0.321	0.000	7.26	5.90
87.00	(4) #20 Dywidag Bars	Yes	1.00	0.827	6.02	0.50	0.41	20.844	0.321	0.000	15.22	0.00
88.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.913	0.323	0.000	7.29	5.90
88.00	(4) #20 Dywidag Bars	Yes	1.00	0.825	6.02	0.50	0.41	20.913	0.323	0.000	15.24	0.00
89.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.980	0.325	0.000	7.31	5.90
89.00	(4) #20 Dywidag Bars	Yes	1.00	0.824	6.02	0.50	0.41	20.980	0.325	0.000	15.27	0.00
90.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.047	0.327	0.000	7.33	5.90
90.00	(4) #20 Dywidag Bars	Yes	1.00	0.823	6.02	0.50	0.41	21.047	0.327	0.000	15.29	0.00
91.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.114	0.329	0.000	7.36	5.90
91.00	(4) #20 Dywidag Bars	Yes	1.00	0.822	6.02	0.50	0.41	21.114	0.329	0.000	15.31	0.00
92.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.180	0.082	0.000	0.00	5.90
93.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.245	0.083	0.000	0.00	5.90
94.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.310	0.083	0.000	0.00	5.90
95.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.375	0.084	0.000	0.00	5.90
96.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.439	0.084	0.000	0.00	5.90
97.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.503	0.085	0.000	0.00	5.90
98.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.566	0.085	0.000	0.00	5.90
99.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.628	0.086	0.000	0.00	5.90
100.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.690	0.086	0.000	0.00	5.90
101.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.752	0.087	0.000	0.00	5.90
102.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.814	0.088	0.000	0.00	5.90
103.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.874	0.088	0.000	0.00	5.90
104.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.935	0.089	0.000	0.00	5.90
105.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.995	0.090	0.000	0.00	5.90
106.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.055	0.090	0.000	0.00	5.90
107.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.114	0.091	0.000	0.00	5.90
108.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.173	0.091	0.000	0.00	5.90
109.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.231	0.092	0.000	0.00	5.90
110.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.289	0.093	0.000	0.00	5.90
110.0	(6) 1 5/8" Coax	Yes	0.05	0.000	1.98	0.01	0.00	22.292	0.093	0.000	0.00	0.31
111.0	(6) 1 5/8" Coax	Yes	0.95	0.000	1.98	0.16	0.00	22.347	0.093	0.000	0.00	5.59
112.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.404	0.094	0.000	0.00	5.90
113.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.461	0.095	0.000	0.00	5.90
114.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.518	0.096	0.000	0.00	5.90
115.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.574	0.096	0.000	0.00	5.90
116.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.630	0.097	0.000	0.00	5.90
117.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.686	0.098	0.000	0.00	5.90
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.741	0.099	0.000	0.00	5.90
119.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.796	0.099	0.000	0.00	5.90
120.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.850	0.100	0.000	0.00	5.90
121.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.905	0.101	1.003	0.00	5.90
122.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.959	0.102	1.005	0.00	5.90
123.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.012	0.103	1.008	0.00	5.90
124.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.065	0.103	1.010	0.00	5.90

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:53 PM  
 Page: 15



© 2007 - 2014 by ATC IP LLC. All rights reserved.

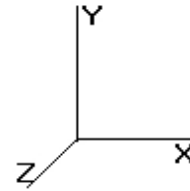
**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations  
 Gust Response Factor : 1.10                      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

125.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.118	0.104	1.013	0.00	5.90
126.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.171	0.105	1.015	0.00	5.90
127.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.223	0.106	1.018	0.00	5.90
128.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.276	0.107	1.021	0.00	5.90
<b>Totals:</b>											1,753.02	742.99

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:53 PM  
 Page: 16



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W      95.00 mph with No Ice      36 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

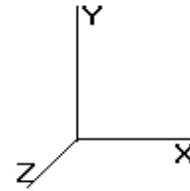
### Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	83.81	242.08	0.00	0.00
2.00	83.46	241.34	0.00	0.00
3.00	83.10	240.59	0.00	0.00
4.00	82.75	239.85	0.00	0.00
5.00	117.30	273.40	0.00	0.00
6.00	116.88	272.66	0.00	0.00
7.00	116.46	271.92	0.00	0.00
8.00	116.03	271.17	0.00	0.00
9.00	115.61	270.43	0.00	0.00
10.00	115.19	269.68	0.00	0.00
11.00	114.77	268.94	0.00	0.00
12.00	114.34	268.20	0.00	0.00
13.00	113.92	267.45	0.00	0.00
14.00	113.50	266.71	0.00	0.00
15.00	113.08	265.97	0.00	0.00
16.00	112.66	265.22	0.00	0.00
17.00	112.23	264.48	0.00	0.00
18.00	111.81	263.74	0.00	0.00
19.00	111.39	262.99	0.00	0.00
20.00	110.97	262.25	0.00	0.00
21.00	110.55	261.51	0.00	0.00
22.00	110.12	260.76	0.00	0.00
23.00	109.70	260.02	0.00	0.00
24.00	109.28	259.27	0.00	0.00
25.00	108.86	258.53	0.00	0.00
26.00	108.43	257.79	0.00	0.00
27.00	108.01	257.04	0.00	0.00
28.00	107.59	256.30	0.00	0.00
29.00	107.17	255.56	0.00	0.00
30.00	106.83	254.81	0.00	0.00
31.00	107.35	254.07	0.00	0.00
31.50	54.10	127.60	0.00	0.00
32.00	54.39	190.06	0.00	0.00
33.00	110.09	381.65	0.00	0.00
34.00	194.69	452.29	0.00	0.00
35.00	195.81	450.74	0.00	0.00
35.67	74.48	252.87	0.00	0.00
36.00	36.70	75.15	0.00	0.00
37.00	111.74	227.32	0.00	0.00
38.00	112.09	226.70	0.00	0.00
39.00	112.42	226.08	0.00	0.00
40.00	112.73	225.46	0.00	0.00
41.00	113.01	224.84	0.00	0.00
42.00	113.28	224.22	0.00	0.00
43.00	113.53	223.60	0.00	0.00
44.00	113.76	222.98	0.00	0.00
45.00	113.98	222.36	0.00	0.00
46.00	114.17	221.74	0.00	0.00
47.00	114.35	221.13	0.00	0.00

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:53 PM  
 Page: 17



© 2007 - 2014 by ATC IP LLC. All rights reserved.

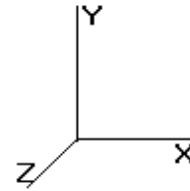
**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations  
 Gust Response Factor : 1.10                      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

48.00	114.52	220.51	0.00	0.00
49.00	114.67	219.89	0.00	0.00
50.00	114.80	219.27	0.00	0.00
51.00	114.92	218.65	0.00	0.00
52.00	115.03	218.03	0.00	0.00
53.00	115.12	217.41	0.00	0.00
54.00	115.20	216.79	0.00	0.00
55.00	115.26	216.17	0.00	0.00
56.00	115.32	215.55	0.00	0.00
57.00	115.36	214.93	0.00	0.00
58.00	115.39	214.31	0.00	0.00
59.00	115.40	213.69	0.00	0.00
60.00	115.41	213.07	0.00	0.00
61.00	115.40	212.45	0.00	0.00
62.00	115.39	211.83	0.00	0.00
63.00	115.36	211.21	0.00	0.00
64.00	115.32	210.59	0.00	0.00
65.00	115.28	209.97	0.00	0.00
66.00	115.22	209.35	0.00	0.00
67.00	115.15	208.73	0.00	0.00
68.00	115.08	208.11	0.00	0.00
69.00	114.99	207.49	0.00	0.00
70.00	114.89	206.87	0.00	0.00
70.05	6.11	11.02	0.00	0.00
71.00	110.35	276.89	0.00	0.00
72.00	116.48	291.40	0.00	0.00
73.00	116.36	290.29	0.00	0.00
73.55	64.28	160.15	0.00	0.00
74.00	51.85	82.80	0.00	0.00
75.00	116.11	185.02	0.00	0.00
76.00	115.97	184.52	0.00	0.00
77.00	115.82	184.03	0.00	0.00
78.00	115.67	183.53	0.00	0.00
79.00	115.51	183.03	0.00	0.00
80.00	115.34	182.54	0.00	0.00
81.00	115.16	182.04	0.00	0.00
82.00	114.97	181.55	0.00	0.00
83.00	114.78	181.05	0.00	0.00
84.00	114.58	180.56	0.00	0.00
85.00	114.37	180.06	0.00	0.00
86.00	114.16	112.76	0.00	0.00
87.00	113.94	112.27	0.00	0.00
88.00	113.71	111.77	0.00	0.00
89.00	113.48	111.28	0.00	0.00
90.00	113.24	110.78	0.00	0.00
91.00	112.99	110.29	0.00	0.00
92.00	75.02	109.79	0.00	0.00
93.00	74.76	109.29	0.00	0.00
94.00	74.50	108.80	0.00	0.00
95.00	74.24	108.30	0.00	0.00
96.00	73.97	107.81	0.00	0.00
97.00	73.70	107.31	0.00	0.00
98.00	73.42	106.82	0.00	0.00
99.00	73.14	106.32	0.00	0.00
100.0	72.85	105.82	0.00	0.00
101.0	72.56	105.33	0.00	0.00
102.0	72.27	104.83	0.00	0.00

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:53 PM  
 Page: 18



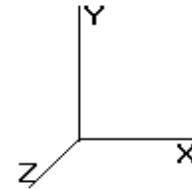
© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.6W                      95.00 mph with No Ice                      36 Iterations  
 Gust Response Factor : 1.10                      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20  
 Wind Load Factor : 1.60

103.0	71.97	104.34	0.00	0.00
104.0	71.67	103.84	0.00	0.00
105.0	71.36	103.35	0.00	0.00
106.0	71.05	102.85	0.00	0.00
107.0	70.73	102.35	0.00	0.00
108.0	70.41	101.86	0.00	0.00
109.0	70.09	101.36	0.00	0.00
110.0	69.76	100.87	0.00	0.00
110.0	3.71	5.37	0.00	0.00
111.0	65.71	79.43	0.00	0.00
112.0	69.09	83.55	0.00	0.00
113.0	68.76	83.17	0.00	0.00
114.0	68.41	82.80	0.00	0.00
115.0	68.07	82.43	0.00	0.00
116.0	67.72	82.06	0.00	0.00
117.0	67.37	81.69	0.00	0.00
118.0	1,260.62	455.95	0.00	0.00
119.0	66.65	75.70	0.00	0.00
120.0	66.28	75.33	0.00	0.00
121.0	66.10	74.96	0.00	0.00
122.0	65.88	74.58	0.00	0.00
123.0	65.67	74.21	0.00	0.00
124.0	65.45	73.84	0.00	0.00
125.0	65.23	73.47	0.00	0.00
126.0	65.01	73.10	0.00	0.00
127.0	64.78	72.72	0.00	0.00
128.0	1,129.10	1,087.19	0.00	0.00
129.0	62.86	64.52	0.00	0.00
130.0	62.46	64.15	0.00	0.00
131.0	62.07	63.77	0.00	0.00
132.0	61.66	63.40	0.00	0.00
133.0	61.26	63.03	0.00	0.00
134.0	60.85	62.66	0.00	0.00
135.0	60.44	62.29	0.00	0.00
136.0	60.02	61.92	0.00	0.00
137.0	59.60	61.54	0.00	0.00
138.0	2,026.63	2,394.09	0.00	0.00
139.0	58.76	56.00	0.00	0.00
140.0	58.33	55.63	0.00	0.00
141.0	57.90	55.26	0.00	0.00
142.0	57.47	54.88	0.00	0.00
143.0	57.04	54.51	0.00	0.00
144.0	56.60	54.14	0.00	0.00
145.0	56.16	53.77	0.00	0.00
146.0	55.72	53.40	0.00	0.00
147.0	55.27	53.03	0.00	0.00
148.0	54.82	52.65	0.00	0.00
149.0	54.37	52.28	0.00	0.00
150.0	3,698.91	3,562.75	0.00	8,886.88
Totals:	22,118.49	33,098.51	0.00	8,886.88

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



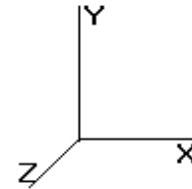
<b>Load Case:</b> 1.2D + 1.6W	95.00 mph with No Ice	36 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

**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	-33.09	-22.13	0.00	-2,178.68	0.00	2,178.68	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.606
1.00	-32.82	-22.08	0.00	-2,156.55	0.00	2,156.55	3,050.02	1,525.01	4,454.73	2,200.02	0.01	-0.05	0.603
2.00	-32.56	-22.03	0.00	-2,134.47	0.00	2,134.47	3,041.57	1,520.78	4,423.29	2,184.50	0.02	-0.11	0.600
3.00	-32.30	-21.97	0.00	-2,112.44	0.00	2,112.44	3,033.07	1,516.54	4,391.91	2,169.00	0.05	-0.16	0.597
4.00	-32.04	-21.92	0.00	-2,090.47	0.00	2,090.47	3,024.54	1,512.27	4,360.59	2,153.53	0.09	-0.22	0.593
5.00	-31.75	-21.83	0.00	-2,068.55	0.00	2,068.55	3,015.97	1,507.99	4,329.31	2,138.08	0.14	-0.27	0.590
6.00	-31.46	-21.74	0.00	-2,046.72	0.00	2,046.72	3,007.36	1,503.68	4,298.09	2,122.66	0.21	-0.32	0.587
7.00	-31.16	-21.65	0.00	-2,024.98	0.00	2,024.98	2,998.72	1,499.36	4,266.91	2,107.27	0.28	-0.38	0.583
8.00	-30.87	-21.56	0.00	-2,003.33	0.00	2,003.33	2,990.03	1,495.02	4,235.80	2,091.90	0.36	-0.43	0.580
9.00	-30.58	-21.48	0.00	-1,981.76	0.00	1,981.76	2,981.31	1,490.65	4,204.74	2,076.56	0.46	-0.49	0.576
10.00	-30.29	-21.39	0.00	-1,960.29	0.00	1,960.29	2,972.54	1,486.27	4,173.73	2,061.25	0.57	-0.54	0.573
11.00	-30.01	-21.30	0.00	-1,938.90	0.00	1,938.90	2,963.74	1,481.87	4,142.78	2,045.96	0.69	-0.59	0.570
12.00	-29.72	-21.21	0.00	-1,917.61	0.00	1,917.61	2,954.90	1,477.45	4,111.88	2,030.70	0.82	-0.65	0.566
13.00	-29.43	-21.12	0.00	-1,896.40	0.00	1,896.40	2,946.03	1,473.01	4,081.05	2,015.48	0.96	-0.70	0.563
14.00	-29.15	-21.03	0.00	-1,875.28	0.00	1,875.28	2,937.11	1,468.55	4,050.27	2,000.28	1.11	-0.75	0.559
15.00	-28.86	-20.94	0.00	-1,854.25	0.00	1,854.25	2,928.15	1,464.08	4,019.55	1,985.10	1.28	-0.81	0.556
16.00	-28.58	-20.85	0.00	-1,833.31	0.00	1,833.31	2,919.16	1,459.58	3,988.89	1,969.96	1.45	-0.86	0.552
17.00	-28.30	-20.76	0.00	-1,812.46	0.00	1,812.46	2,910.13	1,455.06	3,958.29	1,954.85	1.64	-0.92	0.549
18.00	-28.02	-20.67	0.00	-1,791.70	0.00	1,791.70	2,901.06	1,450.53	3,927.75	1,939.77	1.84	-0.97	0.545
19.00	-27.74	-20.58	0.00	-1,771.03	0.00	1,771.03	2,891.95	1,445.97	3,897.28	1,924.72	2.05	-1.02	0.542
20.00	-27.46	-20.49	0.00	-1,750.45	0.00	1,750.45	2,882.80	1,441.40	3,866.87	1,909.70	2.27	-1.08	0.538
21.00	-27.18	-20.40	0.00	-1,729.96	0.00	1,729.96	2,873.62	1,436.81	3,836.52	1,894.71	2.50	-1.13	0.535
22.00	-26.90	-20.31	0.00	-1,709.56	0.00	1,709.56	2,864.39	1,432.20	3,806.23	1,879.75	2.74	-1.19	0.531
23.00	-26.63	-20.22	0.00	-1,689.25	0.00	1,689.25	2,855.13	1,427.56	3,776.01	1,864.83	3.00	-1.24	0.528
24.00	-26.35	-20.13	0.00	-1,669.03	0.00	1,669.03	2,845.83	1,422.91	3,745.85	1,849.94	3.26	-1.29	0.524
25.00	-26.08	-20.04	0.00	-1,648.90	0.00	1,648.90	2,835.25	1,417.62	3,714.14	1,834.28	3.54	-1.35	0.521
26.00	-25.80	-19.95	0.00	-1,628.86	0.00	1,628.86	2,824.83	1,412.91	3,678.86	1,816.85	3.83	-1.40	0.518
27.00	-25.53	-19.86	0.00	-1,608.91	0.00	1,608.91	2,808.40	1,404.20	3,643.74	1,799.51	4.13	-1.45	0.515
28.00	-25.26	-19.77	0.00	-1,589.06	0.00	1,589.06	2,794.98	1,397.49	3,608.79	1,782.25	4.44	-1.51	0.512
29.00	-24.99	-19.68	0.00	-1,569.29	0.00	1,569.29	2,781.56	1,390.78	3,574.01	1,765.07	4.76	-1.56	0.509
30.00	-24.72	-19.59	0.00	-1,549.61	0.00	1,549.61	2,768.14	1,384.07	3,539.40	1,747.98	5.09	-1.61	0.506
31.00	-24.45	-19.49	0.00	-1,530.03	0.00	1,530.03	2,754.72	1,377.36	3,504.96	1,730.97	5.43	-1.67	0.503
31.50	-24.32	-19.44	0.00	-1,520.22	0.00	1,520.22	2,747.96	1,373.98	3,487.68	1,722.44	5.61	-1.69	0.502
32.00	-24.12	-19.40	0.00	-1,510.56	0.00	1,510.56	2,741.30	1,370.65	3,470.68	1,714.04	5.79	-1.72	0.493
33.00	-23.72	-19.30	0.00	-1,491.16	0.00	1,491.16	2,727.87	1,363.94	3,436.57	1,697.20	6.16	-1.77	0.490
34.00	-23.26	-19.11	0.00	-1,471.86	0.00	1,471.86	2,714.45	1,357.23	3,402.64	1,680.43	6.53	-1.83	0.487
35.00	-22.80	-18.92	0.00	-1,452.75	0.00	1,452.75	2,701.03	1,350.51	3,368.87	1,663.76	6.92	-1.88	0.484
35.67	-22.54	-18.85	0.00	-1,440.08	0.00	1,440.08	2,180.41	1,090.21	2,778.27	1,372.08	7.19	-1.91	0.550
36.00	-22.45	-18.82	0.00	-1,433.86	0.00	1,433.86	2,178.20	1,089.10	2,770.95	1,368.47	7.32	-1.93	0.549
37.00	-22.21	-18.72	0.00	-1,415.04	0.00	1,415.04	2,171.49	1,085.75	2,748.79	1,357.52	7.73	-1.99	0.544
38.00	-21.97	-18.62	0.00	-1,396.31	0.00	1,396.31	2,164.74	1,082.37	2,726.66	1,346.60	8.15	-2.04	0.540
39.00	-21.73	-18.52	0.00	-1,377.69	0.00	1,377.69	2,157.96	1,078.98	2,704.57	1,335.69	8.59	-2.10	0.535
40.00	-21.49	-18.42	0.00	-1,359.17	0.00	1,359.17	2,151.13	1,075.57	2,682.52	1,324.80	9.03	-2.15	0.530
41.00	-21.25	-18.32	0.00	-1,340.74	0.00	1,340.74	2,144.27	1,072.13	2,660.51	1,313.93	9.49	-2.21	0.526
42.00	-21.02	-18.22	0.00	-1,322.42	0.00	1,322.42	2,137.36	1,068.68	2,638.53	1,303.07	9.96	-2.26	0.521
43.00	-20.78	-18.12	0.00	-1,304.20	0.00	1,304.20	2,130.42	1,065.21	2,616.60	1,292.24	10.44	-2.32	0.517
44.00	-20.55	-18.02	0.00	-1,286.08	0.00	1,286.08	2,123.44	1,061.72	2,594.70	1,281.43	10.93	-2.37	0.512
45.00	-20.31	-17.91	0.00	-1,268.06	0.00	1,268.06	2,116.42	1,058.21	2,572.85	1,270.63	11.43	-2.43	0.507
46.00	-20.08	-17.81	0.00	-1,250.15	0.00	1,250.15	2,109.36	1,054.68	2,551.04	1,259.86	11.94	-2.48	0.503
47.00	-19.84	-17.70	0.00	-1,232.34	0.00	1,232.34	2,102.27	1,051.13	2,529.26	1,249.11	12.47	-2.53	0.498
48.00	-19.61	-17.60	0.00	-1,214.64	0.00	1,214.64	2,095.13	1,047.57	2,507.54	1,238.38	13.01	-2.59	0.493

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

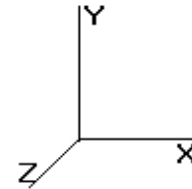
Dead Load Factor : 1.20

Wind Load Factor : 1.60

49.00	-19.38	-17.49	0.00	-1,197.05	0.00	1,197.05	2,087.96	1,043.98	2,485.85	1,227.67	13.55	-2.64	0.488
50.00	-19.15	-17.38	0.00	-1,179.56	0.00	1,179.56	2,080.75	1,040.37	2,464.21	1,216.98	14.11	-2.70	0.484
51.00	-18.92	-17.28	0.00	-1,162.17	0.00	1,162.17	2,073.50	1,036.75	2,442.62	1,206.32	14.68	-2.75	0.479
52.00	-18.70	-17.17	0.00	-1,144.90	0.00	1,144.90	2,066.21	1,033.11	2,421.07	1,195.68	15.27	-2.80	0.474
53.00	-18.47	-17.06	0.00	-1,127.73	0.00	1,127.73	2,058.88	1,029.44	2,399.57	1,185.06	15.86	-2.86	0.470
54.00	-18.24	-16.95	0.00	-1,110.67	0.00	1,110.67	2,051.52	1,025.76	2,378.11	1,174.46	16.46	-2.91	0.465
55.00	-18.02	-16.84	0.00	-1,093.72	0.00	1,093.72	2,044.11	1,022.06	2,356.71	1,163.89	17.08	-2.96	0.460
56.00	-17.79	-16.73	0.00	-1,076.88	0.00	1,076.88	2,036.67	1,018.34	2,335.35	1,153.34	17.70	-3.02	0.455
57.00	-17.57	-16.62	0.00	-1,060.15	0.00	1,060.15	2,029.19	1,014.59	2,314.04	1,142.82	18.34	-3.07	0.451
58.00	-17.34	-16.51	0.00	-1,043.53	0.00	1,043.53	2,021.67	1,010.84	2,292.78	1,132.32	18.99	-3.12	0.446
59.00	-17.12	-16.40	0.00	-1,027.02	0.00	1,027.02	2,014.11	1,007.06	2,271.57	1,121.84	19.65	-3.17	0.441
60.00	-16.90	-16.29	0.00	-1,010.62	0.00	1,010.62	2,006.52	1,003.26	2,250.42	1,111.40	20.32	-3.23	0.436
61.00	-16.68	-16.17	0.00	-994.33	0.00	994.33	1,998.88	999.44	2,229.31	1,100.97	21.00	-3.28	0.432
62.00	-16.46	-16.06	0.00	-978.16	0.00	978.16	1,991.21	995.60	2,208.26	1,090.58	21.69	-3.33	0.427
63.00	-16.24	-15.95	0.00	-962.10	0.00	962.10	1,983.49	991.75	2,187.27	1,080.21	22.39	-3.38	0.422
64.00	-16.03	-15.84	0.00	-946.15	0.00	946.15	1,975.74	987.87	2,166.32	1,069.87	23.11	-3.43	0.417
65.00	-15.81	-15.72	0.00	-930.32	0.00	930.32	1,966.30	983.15	2,143.64	1,058.66	23.83	-3.48	0.413
66.00	-15.59	-15.61	0.00	-914.59	0.00	914.59	1,955.12	977.56	2,119.18	1,046.58	24.57	-3.53	0.409
67.00	-15.38	-15.49	0.00	-898.99	0.00	898.99	1,943.93	971.97	2,094.86	1,034.57	25.31	-3.58	0.405
68.00	-15.16	-15.38	0.00	-883.49	0.00	883.49	1,932.75	966.37	2,070.68	1,022.63	26.07	-3.64	0.401
69.00	-14.95	-15.26	0.00	-868.11	0.00	868.11	1,921.56	960.78	2,046.64	1,010.76	26.83	-3.69	0.397
70.00	-14.75	-15.14	0.00	-852.85	0.00	852.85	1,910.38	955.19	2,022.74	998.96	27.61	-3.74	0.392
70.05	-14.73	-15.14	0.00	-852.04	0.00	852.04	1,909.78	954.89	2,021.47	998.33	27.65	-3.74	0.392
71.00	-14.45	-15.03	0.00	-837.71	0.00	837.71	1,899.19	949.60	1,998.99	987.22	28.40	-3.79	0.382
72.00	-14.15	-14.90	0.00	-822.68	0.00	822.68	1,888.01	944.00	1,975.37	975.56	29.20	-3.83	0.378
73.00	-13.86	-14.78	0.00	-807.78	0.00	807.78	1,876.82	938.41	1,951.89	963.97	30.01	-3.88	0.373
73.55	-13.70	-14.71	0.00	-799.60	0.00	799.60	1,431.27	715.64	1,520.69	751.01	30.46	-3.91	0.432
74.00	-13.61	-14.66	0.00	-793.04	0.00	793.04	1,429.00	714.50	1,514.27	747.84	30.82	-3.93	0.429
75.00	-13.42	-14.54	0.00	-778.38	0.00	778.38	1,423.89	711.94	1,499.92	740.75	31.65	-3.98	0.423
76.00	-13.23	-14.42	0.00	-763.84	0.00	763.84	1,418.73	709.37	1,485.59	733.68	32.49	-4.03	0.417
77.00	-13.04	-14.31	0.00	-749.41	0.00	749.41	1,413.54	706.77	1,471.28	726.61	33.34	-4.08	0.411
78.00	-12.86	-14.19	0.00	-735.10	0.00	735.10	1,408.31	704.16	1,457.00	719.56	34.20	-4.13	0.405
79.00	-12.67	-14.07	0.00	-720.91	0.00	720.91	1,403.04	701.52	1,442.75	712.52	35.07	-4.18	0.399
80.00	-12.48	-13.96	0.00	-706.84	0.00	706.84	1,397.73	698.87	1,428.52	705.49	35.95	-4.23	0.393
81.00	-12.30	-13.84	0.00	-692.89	0.00	692.89	1,392.39	696.19	1,414.32	698.48	36.84	-4.28	0.387
82.00	-12.12	-13.72	0.00	-679.05	0.00	679.05	1,387.00	693.50	1,400.15	691.48	37.75	-4.33	0.381
83.00	-11.93	-13.60	0.00	-665.33	0.00	665.33	1,381.58	690.79	1,386.01	684.50	38.66	-4.38	0.375
84.00	-11.75	-13.48	0.00	-651.73	0.00	651.73	1,376.12	688.06	1,371.90	677.53	39.58	-4.43	0.370
85.00	-11.57	-13.36	0.00	-638.25	0.00	638.25	1,370.62	685.31	1,357.82	670.57	40.51	-4.48	0.364
85.00	-11.57	-13.36	0.00	-638.25	0.00	638.25	1,370.62	685.31	1,357.82	670.57	40.51	-4.48	0.961
86.00	-11.44	-13.26	0.00	-624.88	0.00	624.88	1,365.08	682.54	1,343.77	663.64	41.45	-4.52	0.950
87.00	-11.31	-13.16	0.00	-611.62	0.00	611.62	1,359.50	679.75	1,329.75	656.71	42.41	-4.65	0.940
88.00	-11.18	-13.06	0.00	-598.46	0.00	598.46	1,353.89	676.94	1,315.76	649.80	43.40	-4.77	0.930
89.00	-11.05	-12.97	0.00	-585.40	0.00	585.40	1,348.24	674.12	1,301.81	642.91	44.41	-4.90	0.919
90.00	-10.92	-12.87	0.00	-572.43	0.00	572.43	1,342.54	671.27	1,287.89	636.04	45.45	-5.02	0.909
91.00	-10.80	-12.77	0.00	-559.57	0.00	559.57	1,336.81	668.41	1,274.00	629.18	46.51	-5.15	0.898
92.00	-10.67	-12.71	0.00	-546.80	0.00	546.80	1,331.04	665.52	1,260.15	622.34	47.60	-5.27	0.887
93.00	-10.54	-12.64	0.00	-534.10	0.00	534.10	1,325.23	662.62	1,246.34	615.52	48.72	-5.39	0.876
94.00	-10.41	-12.58	0.00	-521.45	0.00	521.45	1,319.39	659.69	1,232.57	608.72	49.86	-5.51	0.865
95.00	-10.28	-12.52	0.00	-508.87	0.00	508.87	1,313.50	656.75	1,218.83	601.93	51.03	-5.64	0.854
96.00	-10.16	-12.46	0.00	-496.35	0.00	496.35	1,307.58	653.79	1,205.13	595.17	52.22	-5.76	0.842
97.00	-10.03	-12.39	0.00	-483.90	0.00	483.90	1,301.62	650.81	1,191.47	588.42	53.44	-5.88	0.830
98.00	-9.91	-12.33	0.00	-471.50	0.00	471.50	1,295.62	647.81	1,177.85	581.69	54.68	-6.00	0.819
99.00	-9.78	-12.27	0.00	-459.17	0.00	459.17	1,289.58	644.79	1,164.26	574.99	55.94	-6.12	0.807
100.00	-9.66	-12.20	0.00	-446.91	0.00	446.91	1,283.50	641.75	1,150.72	568.30	57.24	-6.24	0.794
101.00	-9.54	-12.14	0.00	-434.71	0.00	434.71	1,277.38	638.69	1,137.23	561.63	58.55	-6.35	0.782
102.00	-9.42	-12.07	0.00	-422.57	0.00	422.57	1,271.23	635.61	1,123.77	554.99	59.89	-6.47	0.769

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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      36 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.20

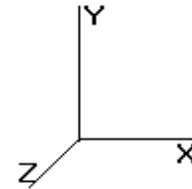
Wind Load Factor : 1.60

103.00	-9.30	-12.01	0.00	-410.49	0.00	410.49	1,265.03	632.52	1,110.36	548.37	61.26	-6.59	0.756
104.00	-9.18	-11.94	0.00	-398.49	0.00	398.49	1,257.45	628.72	1,095.81	541.18	62.65	-6.70	0.744
105.00	-9.06	-11.88	0.00	-386.54	0.00	386.54	1,248.50	624.25	1,080.18	533.46	64.06	-6.82	0.732
106.00	-8.95	-11.81	0.00	-374.66	0.00	374.66	1,239.55	619.78	1,064.67	525.80	65.50	-6.93	0.720
107.00	-8.83	-11.75	0.00	-362.85	0.00	362.85	1,230.60	615.30	1,049.26	518.19	66.96	-7.04	0.708
108.00	-8.72	-11.68	0.00	-351.10	0.00	351.10	1,221.66	610.83	1,033.97	510.64	68.44	-7.15	0.695
109.00	-8.60	-11.62	0.00	-339.42	0.00	339.42	1,212.71	606.35	1,018.79	503.14	69.95	-7.26	0.682
110.00	-8.50	-11.54	0.00	-327.80	0.00	327.80	1,203.76	601.88	1,003.72	495.70	71.48	-7.37	0.669
110.05	-8.48	-11.55	0.00	-327.18	0.00	327.18	1,203.28	601.64	1,002.92	495.30	71.56	-7.38	0.668
110.05	-8.48	-11.55	0.00	-327.18	0.00	327.18	829.60	414.80	695.72	343.59	71.56	-7.38	0.963
111.00	-8.39	-11.49	0.00	-316.25	0.00	316.25	826.22	413.11	687.98	339.77	73.03	-7.48	0.942
112.00	-8.29	-11.43	0.00	-304.76	0.00	304.76	822.61	411.30	679.82	335.74	74.61	-7.62	0.919
113.00	-8.19	-11.37	0.00	-293.33	0.00	293.33	818.96	409.48	671.67	331.71	76.21	-7.75	0.895
114.00	-8.09	-11.31	0.00	-281.96	0.00	281.96	815.28	407.64	663.53	327.69	77.85	-7.89	0.871
115.00	-7.99	-11.25	0.00	-270.65	0.00	270.65	811.55	405.78	655.41	323.68	79.51	-8.02	0.847
116.00	-7.89	-11.19	0.00	-259.40	0.00	259.40	807.79	403.90	647.30	319.68	81.20	-8.15	0.822
117.00	-7.80	-11.13	0.00	-248.21	0.00	248.21	803.99	402.00	639.21	315.68	82.91	-8.28	0.797
118.00	-7.51	-9.83	0.00	-237.09	0.00	237.09	800.15	400.08	631.14	311.70	84.65	-8.40	0.771
119.00	-7.42	-9.77	0.00	-227.26	0.00	227.26	796.28	398.14	623.08	307.72	86.42	-8.53	0.748
120.00	-7.34	-9.71	0.00	-217.49	0.00	217.49	792.36	396.18	615.05	303.75	88.21	-8.65	0.726
121.00	-7.25	-9.65	0.00	-207.78	0.00	207.78	788.40	394.20	607.03	299.79	90.03	-8.76	0.703
122.00	-7.17	-9.58	0.00	-198.13	0.00	198.13	784.41	392.21	599.04	295.84	91.87	-8.88	0.679
123.00	-7.09	-9.52	0.00	-188.55	0.00	188.55	780.38	390.19	591.06	291.90	93.73	-8.99	0.656
124.00	-7.01	-9.46	0.00	-179.03	0.00	179.03	776.31	388.15	583.11	287.98	95.62	-9.10	0.631
125.00	-6.93	-9.39	0.00	-169.57	0.00	169.57	772.20	386.10	575.18	284.06	97.53	-9.20	0.607
126.00	-6.85	-9.33	0.00	-160.18	0.00	160.18	768.05	384.03	567.27	280.15	99.46	-9.31	0.581
127.00	-6.78	-9.27	0.00	-150.85	0.00	150.85	763.87	381.93	559.39	276.26	101.41	-9.41	0.555
128.00	-5.88	-7.98	0.00	-141.58	0.00	141.58	759.64	379.82	551.53	272.38	103.39	-9.50	0.528
129.00	-5.81	-7.92	0.00	-133.60	0.00	133.60	755.38	377.69	543.69	268.51	105.38	-9.60	0.506
130.00	-5.75	-7.86	0.00	-125.67	0.00	125.67	751.08	375.54	535.89	264.65	107.39	-9.69	0.483
131.00	-5.68	-7.79	0.00	-117.82	0.00	117.82	746.74	373.37	528.10	260.81	109.42	-9.77	0.460
132.00	-5.62	-7.73	0.00	-110.02	0.00	110.02	742.36	371.18	520.35	256.98	111.46	-9.85	0.436
133.00	-5.56	-7.67	0.00	-102.29	0.00	102.29	737.94	368.97	512.62	253.17	113.52	-9.93	0.412
134.00	-5.50	-7.60	0.00	-94.63	0.00	94.63	733.49	366.74	504.93	249.37	115.60	-10.01	0.387
135.00	-5.44	-7.54	0.00	-87.03	0.00	87.03	728.99	364.50	497.26	245.58	117.70	-10.08	0.362
136.00	-5.38	-7.48	0.00	-79.49	0.00	79.49	724.46	362.23	489.62	241.81	119.81	-10.15	0.337
137.00	-5.32	-7.41	0.00	-72.01	0.00	72.01	719.89	359.95	482.02	238.05	121.93	-10.21	0.310
138.00	-3.32	-4.99	0.00	-64.60	0.00	64.60	715.28	357.64	474.45	234.31	124.06	-10.27	0.281
139.00	-3.27	-4.93	0.00	-59.61	0.00	59.61	710.63	355.32	466.90	230.59	126.21	-10.32	0.263
140.00	-3.22	-4.87	0.00	-54.68	0.00	54.68	704.27	352.14	458.31	226.34	128.36	-10.38	0.246
141.00	-3.17	-4.80	0.00	-49.81	0.00	49.81	697.56	348.78	449.56	222.02	130.53	-10.43	0.229
142.00	-3.13	-4.74	0.00	-45.01	0.00	45.01	690.85	345.43	440.90	217.75	132.71	-10.47	0.211
143.00	-3.08	-4.67	0.00	-40.27	0.00	40.27	684.14	342.07	432.33	213.51	134.89	-10.51	0.193
144.00	-3.03	-4.61	0.00	-35.60	0.00	35.60	677.43	338.71	423.84	209.32	137.09	-10.55	0.175
145.00	-2.99	-4.55	0.00	-30.99	0.00	30.99	670.72	335.36	415.43	205.17	139.29	-10.59	0.156
146.00	-2.94	-4.48	0.00	-26.44	0.00	26.44	664.01	332.00	407.11	201.06	141.50	-10.62	0.136
147.00	-2.90	-4.42	0.00	-21.96	0.00	21.96	657.30	328.65	398.87	196.99	143.71	-10.64	0.116
148.00	-2.86	-4.36	0.00	-17.54	0.00	17.54	650.59	325.29	390.72	192.96	145.93	-10.67	0.095
149.00	-2.81	-4.30	0.00	-13.18	0.00	13.18	643.87	321.94	382.65	188.98	148.15	-10.68	0.074
150.00	0.00	-3.70	0.00	-8.89	0.00	8.89	637.16	318.58	374.66	185.03	150.38	-10.70	0.048



Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      95.00 mph with No Ice (Reduced DL)      36 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

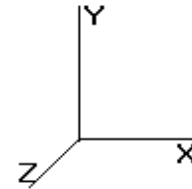
Wind Load Factor : 1.60

**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	15.364	16.90	246.86	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	15.364	16.90	245.82	1.000	0.000	1.00	3.099	3.10	83.8	0.0	198.3
2.00		1.00	0.70	15.364	16.90	244.79	1.000	0.000	1.00	3.086	3.09	83.5	0.0	197.7
3.00		1.00	0.70	15.364	16.90	243.75	1.000	0.000	1.00	3.073	3.07	83.1	0.0	197.1
4.00		1.00	0.70	15.364	16.90	242.72	1.000	0.000	1.00	3.060	3.06	82.8	0.0	196.6
5.00		1.00	0.70	15.364	16.90	241.68	1.200	* 0.000	1.00	3.047	3.66	98.9	0.0	196.0
6.00		1.00	0.70	15.364	16.90	240.65	1.200	* 0.000	1.00	3.034	3.64	98.5	0.0	195.5
7.00		1.00	0.70	15.364	16.90	239.62	1.200	* 0.000	1.00	3.021	3.63	98.0	0.0	194.9
8.00		1.00	0.70	15.364	16.90	238.58	1.200	* 0.000	1.00	3.008	3.61	97.6	0.0	194.4
9.00		1.00	0.70	15.364	16.90	237.55	1.200	* 0.000	1.00	2.995	3.59	97.2	0.0	193.8
10.00		1.00	0.70	15.364	16.90	236.51	1.200	* 0.000	1.00	2.982	3.58	96.8	0.0	193.2
11.00		1.00	0.70	15.364	16.90	235.48	1.200	* 0.000	1.00	2.969	3.56	96.3	0.0	192.7
12.00		1.00	0.70	15.364	16.90	234.45	1.200	* 0.000	1.00	2.956	3.55	95.9	0.0	192.1
13.00		1.00	0.70	15.364	16.90	233.41	1.200	* 0.000	1.00	2.943	3.53	95.5	0.0	191.6
14.00		1.00	0.70	15.364	16.90	232.38	1.200	* 0.000	1.00	2.930	3.52	95.1	0.0	191.0
15.00		1.00	0.70	15.364	16.90	231.34	1.200	* 0.000	1.00	2.917	3.50	94.7	0.0	190.5
16.00		1.00	0.70	15.364	16.90	230.31	1.200	* 0.000	1.00	2.904	3.49	94.2	0.0	189.9
17.00		1.00	0.70	15.364	16.90	229.28	1.200	* 0.000	1.00	2.891	3.47	93.8	0.0	189.3
18.00		1.00	0.70	15.364	16.90	228.24	1.200	* 0.000	1.00	2.878	3.45	93.4	0.0	188.8
19.00		1.00	0.70	15.364	16.90	227.21	1.200	* 0.000	1.00	2.865	3.44	93.0	0.0	188.2
20.00		1.00	0.70	15.364	16.90	226.17	1.200	* 0.000	1.00	2.852	3.42	92.5	0.0	187.7
21.00		1.00	0.70	15.364	16.90	225.14	1.200	* 0.000	1.00	2.839	3.41	92.1	0.0	187.1
22.00		1.00	0.70	15.364	16.90	224.11	1.200	* 0.000	1.00	2.826	3.39	91.7	0.0	186.6
23.00		1.00	0.70	15.364	16.90	223.07	1.200	* 0.000	1.00	2.813	3.38	91.3	0.0	186.0
24.00		1.00	0.70	15.364	16.90	222.04	1.200	* 0.000	1.00	2.800	3.36	90.9	0.0	185.4
25.00		1.00	0.70	15.364	16.90	221.00	1.200	* 0.000	1.00	2.787	3.34	90.4	0.0	184.9
26.00		1.00	0.70	15.364	16.90	219.97	1.200	* 0.000	1.00	2.774	3.33	90.0	0.0	184.3
27.00		1.00	0.70	15.364	16.90	218.94	1.200	* 0.000	1.00	2.761	3.31	89.6	0.0	183.8
28.00		1.00	0.70	15.364	16.90	217.90	1.200	* 0.000	1.00	2.748	3.30	89.2	0.0	183.2
29.00		1.00	0.70	15.364	16.90	216.87	1.200	* 0.000	1.00	2.735	3.28	88.7	0.0	182.6
30.00		1.00	0.70	15.377	16.91	215.92	1.200	* 0.000	1.00	2.722	3.27	88.4	0.0	182.1
31.00		1.00	0.70	15.522	17.07	215.90	1.200	* 0.000	1.00	2.709	3.25	88.8	0.0	181.5
31.50	Bot - Section 2	1.00	0.71	15.593	17.15	215.87	1.200	* 0.000	0.50	1.359	1.63	44.7	0.0	91.2
32.00		1.00	0.71	15.663	17.23	215.84	1.200	* 0.000	0.50	1.364	1.64	45.1	0.0	138.1
33.00		1.00	0.72	15.802	17.38	215.74	1.200	* 0.000	1.00	2.737	3.28	91.3	0.0	277.2
34.00	Appertunance(s)	1.00	0.72	15.937	17.53	215.61	1.200	* 0.000	1.00	2.724	3.27	91.7	0.0	276.2
35.00	Appertunance(s)	1.00	0.73	16.070	17.67	215.44	1.200	* 0.000	1.00	2.711	3.25	92.0	0.0	275.2
35.67	Top - Section 1	1.00	0.73	16.157	17.77	215.32	1.200	* 0.000	0.67	1.809	2.17	61.7	0.0	183.8
36.00		1.00	0.73	16.199	17.81	219.65	1.200	* 0.000	0.33	0.889	1.07	30.4	0.0	53.5
37.00		1.00	0.74	16.327	17.95	219.45	1.200	* 0.000	1.00	2.685	3.22	92.6	0.0	161.7
38.00		1.00	0.75	16.452	18.09	219.22	1.200	* 0.000	1.00	2.672	3.21	92.8	0.0	161.3
39.00		1.00	0.75	16.574	18.23	218.96	1.200	* 0.000	1.00	2.659	3.19	93.1	0.0	160.8
40.00		1.00	0.76	16.694	18.36	218.67	1.200	* 0.000	1.00	2.646	3.18	93.3	0.0	160.3
41.00		1.00	0.76	16.813	18.49	218.36	1.200	* 0.000	1.00	2.633	3.16	93.5	0.0	159.9
42.00		1.00	0.77	16.929	18.62	218.03	1.200	* 0.000	1.00	2.620	3.14	93.7	0.0	159.4
43.00		1.00	0.77	17.043	18.74	217.68	1.200	* 0.000	1.00	2.607	3.13	93.8	0.0	159.0
44.00		1.00	0.78	17.155	18.87	217.30	1.200	* 0.000	1.00	2.594	3.11	94.0	0.0	158.5
45.00		1.00	0.78	17.266	18.99	216.90	1.200	* 0.000	1.00	2.581	3.10	94.1	0.0	158.0
46.00		1.00	0.79	17.375	19.11	216.48	1.200	* 0.000	1.00	2.568	3.08	94.2	0.0	157.6
47.00		1.00	0.79	17.482	19.23	216.05	1.200	* 0.000	1.00	2.555	3.07	94.3	0.0	157.1
48.00		1.00	0.80	17.587	19.34	215.59	1.200	* 0.000	1.00	2.542	3.05	94.4	0.0	156.6

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W                      95.00 mph with No Ice (Reduced DL)                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

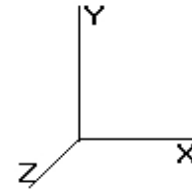
Dead Load Factor : 0.90

Wind Load Factor : 1.60

49.00		1.00	0.80	17.691	19.46	215.12	1.200	* 0.000	1.00	2.529	3.03	94.5	0.0	156.2
50.00		1.00	0.81	17.793	19.57	214.63	1.200	* 0.000	1.00	2.516	3.02	94.5	0.0	155.7
51.00		1.00	0.81	17.894	19.68	214.12	1.200	* 0.000	1.00	2.503	3.00	94.6	0.0	155.2
52.00		1.00	0.82	17.994	19.79	213.59	1.200	* 0.000	1.00	2.490	2.99	94.6	0.0	154.8
53.00		1.00	0.82	18.092	19.90	213.05	1.200	* 0.000	1.00	2.477	2.97	94.6	0.0	154.3
54.00		1.00	0.82	18.189	20.00	212.50	1.200	* 0.000	1.00	2.464	2.96	94.6	0.0	153.8
55.00		1.00	0.83	18.285	20.11	211.93	1.200	* 0.000	1.00	2.451	2.94	94.6	0.0	153.4
56.00		1.00	0.83	18.379	20.21	211.34	1.200	* 0.000	1.00	2.438	2.93	94.6	0.0	152.9
57.00		1.00	0.84	18.472	20.31	210.75	1.200	* 0.000	1.00	2.425	2.91	94.6	0.0	152.4
58.00		1.00	0.84	18.564	20.42	210.13	1.200	* 0.000	1.00	2.412	2.89	94.6	0.0	152.0
59.00		1.00	0.85	18.655	20.52	209.51	1.200	* 0.000	1.00	2.399	2.88	94.5	0.0	151.5
60.00		1.00	0.85	18.745	20.61	208.87	1.200	* 0.000	1.00	2.386	2.86	94.4	0.0	151.1
61.00		1.00	0.85	18.834	20.71	208.22	1.200	* 0.000	1.00	2.373	2.85	94.4	0.0	150.6
62.00		1.00	0.86	18.921	20.81	207.55	1.200	* 0.000	1.00	2.360	2.83	94.3	0.0	150.1
63.00		1.00	0.86	19.008	20.90	206.88	1.200	* 0.000	1.00	2.347	2.82	94.2	0.0	149.7
64.00		1.00	0.87	19.094	21.00	206.19	1.200	* 0.000	1.00	2.334	2.80	94.1	0.0	149.2
65.00		1.00	0.87	19.179	21.09	205.49	1.200	* 0.000	1.00	2.321	2.78	94.0	0.0	148.7
66.00		1.00	0.87	19.262	21.18	204.78	1.200	* 0.000	1.00	2.308	2.77	93.9	0.0	148.3
67.00		1.00	0.88	19.345	21.28	204.06	1.200	* 0.000	1.00	2.295	2.75	93.8	0.0	147.8
68.00		1.00	0.88	19.427	21.37	203.33	1.200	* 0.000	1.00	2.282	2.74	93.6	0.0	147.3
69.00		1.00	0.88	19.509	21.45	202.59	1.200	* 0.000	1.00	2.269	2.72	93.5	0.0	146.9
70.00		1.00	0.89	19.589	21.54	201.84	1.200	* 0.000	1.00	2.256	2.71	93.3	0.0	146.4
70.05	Bot - Section 3	1.00	0.89	19.593	21.55	201.80	1.200	* 0.000	0.05	0.120	0.14	5.0	0.0	7.8
71.00		1.00	0.89	19.669	21.63	201.08	1.200	* 0.000	0.95	2.163	2.60	89.9	0.0	199.4
72.00		1.00	0.90	19.747	21.72	200.31	1.200	* 0.000	1.00	2.273	2.73	94.8	0.0	209.8
73.00		1.00	0.90	19.825	21.80	199.53	1.200	* 0.000	1.00	2.260	2.71	94.6	0.0	209.0
73.55	Top - Section 2	1.00	0.90	19.868	21.85	199.10	1.200	* 0.000	0.55	1.245	1.49	52.2	0.0	115.3
74.00		1.00	0.90	19.902	21.89	198.61	1.200	* 0.000	0.45	1.002	1.20	42.1	0.0	58.2
75.00		1.00	0.91	19.979	21.97	198.16	1.200	* 0.000	1.00	2.234	2.68	94.2	0.0	130.0
76.00		1.00	0.91	20.055	22.06	197.61	1.200	* 0.000	1.00	2.221	2.66	94.1	0.0	129.6
77.00		1.00	0.91	20.130	22.14	197.06	1.200	* 0.000	1.00	2.208	2.65	93.9	0.0	129.3
78.00		1.00	0.92	20.204	22.22	196.49	1.200	* 0.000	1.00	2.195	2.63	93.6	0.0	128.9
79.00		1.00	0.92	20.278	22.30	195.91	1.200	* 0.000	1.00	2.182	2.62	93.4	0.0	128.5
80.00		1.00	0.92	20.351	22.38	195.32	1.200	* 0.000	1.00	2.169	2.60	93.2	0.0	128.2
81.00		1.00	0.93	20.423	22.46	194.73	1.200	* 0.000	1.00	2.156	2.59	93.0	0.0	127.8
82.00		1.00	0.93	20.495	22.54	194.13	1.200	* 0.000	1.00	2.143	2.57	92.7	0.0	127.4
83.00		1.00	0.93	20.566	22.62	193.53	1.200	* 0.000	1.00	2.130	2.56	92.5	0.0	127.0
84.00		1.00	0.94	20.636	22.70	192.93	1.200	* 0.000	1.00	2.117	2.54	92.2	0.0	126.7
85.00	Reinf. Top	1.00	0.94	20.706	22.77	192.33	1.200	* 0.000	1.00	2.104	2.52	92.0	0.0	126.3
86.00		1.00	0.94	20.776	22.85	191.73	1.200	* 0.000	1.00	2.091	2.51	91.7	0.0	125.9
87.00		1.00	0.95	20.844	22.92	191.13	1.200	* 0.000	1.00	2.078	2.49	91.5	0.0	125.5
88.00		1.00	0.95	20.913	23.00	190.53	1.200	* 0.000	1.00	2.065	2.48	91.2	0.0	125.1
89.00		1.00	0.95	20.980	23.07	189.94	1.200	* 0.000	1.00	2.052	2.46	90.9	0.0	124.7
90.00		1.00	0.95	21.047	23.15	189.34	1.200	* 0.000	1.00	2.038	2.45	90.6	0.0	124.3
91.00		1.00	0.96	21.114	23.22	188.75	1.200	* 0.000	1.00	2.025	2.43	90.3	0.0	123.9
92.00		1.00	0.96	21.180	23.29	188.15	1.000	0.000	1.00	2.012	2.01	75.0	0.0	56.9
93.00		1.00	0.96	21.245	23.37	187.56	1.000	0.000	1.00	1.999	2.00	74.8	0.0	56.5
94.00		1.00	0.97	21.310	23.44	186.97	1.000	0.000	1.00	1.986	1.99	74.5	0.0	56.1
95.00		1.00	0.97	21.375	23.51	186.38	1.000	0.000	1.00	1.973	1.97	74.2	0.0	55.8
96.00		1.00	0.97	21.439	23.58	185.79	1.000	0.000	1.00	1.960	1.96	74.0	0.0	55.4
97.00		1.00	0.98	21.503	23.65	185.20	1.000	0.000	1.00	1.947	1.95	73.7	0.0	55.0
98.00		1.00	0.98	21.566	23.72	184.61	1.000	0.000	1.00	1.934	1.93	73.4	0.0	54.7
99.00		1.00	0.98	21.628	23.79	184.02	1.000	0.000	1.00	1.921	1.92	73.1	0.0	54.3
100.00		1.00	0.98	21.690	23.86	183.43	1.000	0.000	1.00	1.908	1.91	72.9	0.0	53.9
101.00		1.00	0.99	21.752	23.92	182.84	1.000	0.000	1.00	1.895	1.90	72.6	0.0	53.5
102.00		1.00	0.99	21.814	23.99	182.25	1.000	0.000	1.00	1.882	1.88	72.3	0.0	53.2
103.00		1.00	0.99	21.874	24.06	181.66	1.000	0.000	1.00	1.869	1.87	72.0	0.0	52.8

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      95.00 mph with No Ice (Reduced DL)      36 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

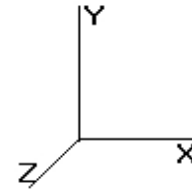
104.0		1.00	0.99	21.935	24.12	175.68	1.000	0.000	1.00	1.856	1.86	71.7	0.0	52.4	
105.0		1.00	1.00	21.995	24.19	174.68	1.000	0.000	1.00	1.843	1.84	71.4	0.0	52.1	
106.0		1.00	1.00	22.055	24.26	173.68	1.000	0.000	1.00	1.830	1.83	71.0	0.0	51.7	
107.0		1.00	1.00	22.114	24.32	172.67	1.000	0.000	1.00	1.817	1.82	70.7	0.0	51.3	
108.0		1.00	1.01	22.173	24.39	171.66	1.000	0.000	1.00	1.804	1.80	70.4	0.0	50.9	
109.0		1.00	1.01	22.231	24.45	170.64	1.000	0.000	1.00	1.791	1.79	70.1	0.0	50.6	
110.0		1.00	1.01	22.289	24.51	169.62	1.000	0.000	1.00	1.778	1.78	69.8	0.0	50.2	
110.0	Top - Section 3	1.00	1.01	22.292	24.52	169.56	1.000	0.000	0.05	0.094	0.09	3.7	0.0	2.7	
111.0		1.00	1.01	22.347	24.58	168.59	1.000	0.000	0.95	1.671	1.67	65.7	0.0	35.5	
112.0		1.00	1.02	22.404	24.64	167.56	1.000	0.000	1.00	1.752	1.75	69.1	0.0	37.2	
113.0		1.00	1.02	22.461	24.70	166.52	1.000	0.000	1.00	1.739	1.74	68.8	0.0	36.9	
114.0		1.00	1.02	22.518	24.77	165.48	1.000	0.000	1.00	1.726	1.73	68.4	0.0	36.7	
115.0		1.00	1.02	22.574	24.83	164.43	1.000	0.000	1.00	1.713	1.71	68.1	0.0	36.4	
116.0		1.00	1.03	22.630	24.89	163.38	1.000	0.000	1.00	1.700	1.70	67.7	0.0	36.1	
117.0		1.00	1.03	22.686	24.95	162.32	1.000	0.000	1.00	1.687	1.69	67.4	0.0	35.8	
118.0	Appertunance(s)	1.00	1.03	22.741	25.01	161.26	1.000	0.000	1.00	1.674	1.67	67.0	0.0	35.5	
119.0		1.00	1.03	22.796	25.07	160.20	1.000	0.000	1.00	1.661	1.66	66.6	0.0	35.3	
120.0		1.00	1.04	22.850	25.13	159.13	1.000	0.000	1.00	1.648	1.65	66.3	0.0	35.0	
121.0		1.00	1.04	22.905	25.19	158.05	1.000	*	0.000	1.00	1.635	1.64	65.9	0.0	34.7
122.0		1.00	1.04	22.959	25.25	156.97	1.000	*	0.000	1.00	1.622	1.62	65.5	0.0	34.4
123.0		1.00	1.04	23.012	25.31	155.89	1.000	*	0.000	1.00	1.609	1.61	65.2	0.0	34.1
124.0		1.00	1.05	23.065	25.37	154.81	1.000	*	0.000	1.00	1.596	1.60	64.8	0.0	33.9
125.0		1.00	1.05	23.118	25.43	153.72	1.000	*	0.000	1.00	1.583	1.58	64.4	0.0	33.6
126.0		1.00	1.05	23.171	25.48	152.62	1.000	*	0.000	1.00	1.570	1.57	64.0	0.0	33.3
127.0		1.00	1.05	23.223	25.54	151.52	1.000	*	0.000	1.00	1.557	1.56	63.6	0.0	33.0
128.0	Appertunance(s)	1.00	1.06	23.276	25.60	150.42	1.000	*	0.000	1.00	1.544	1.54	63.3	0.0	32.7
129.0		1.00	1.06	23.327	25.66	149.31	1.000	0.000	1.00	1.531	1.53	62.9	0.0	32.5	
130.0		1.00	1.06	23.379	25.71	148.20	1.000	0.000	1.00	1.518	1.52	62.5	0.0	32.2	
131.0		1.00	1.06	23.430	25.77	147.09	1.000	0.000	1.00	1.505	1.51	62.1	0.0	31.9	
132.0		1.00	1.07	23.481	25.82	145.97	1.000	0.000	1.00	1.492	1.49	61.7	0.0	31.6	
133.0		1.00	1.07	23.532	25.88	144.85	1.000	0.000	1.00	1.479	1.48	61.3	0.0	31.4	
134.0		1.00	1.07	23.582	25.94	143.72	1.000	0.000	1.00	1.466	1.47	60.8	0.0	31.1	
135.0		1.00	1.07	23.632	25.99	142.59	1.000	0.000	1.00	1.453	1.45	60.4	0.0	30.8	
136.0		1.00	1.07	23.682	26.05	141.46	1.000	0.000	1.00	1.440	1.44	60.0	0.0	30.5	
137.0		1.00	1.08	23.732	26.10	140.32	1.000	0.000	1.00	1.427	1.43	59.6	0.0	30.2	
138.0	Appertunance(s)	1.00	1.08	23.781	26.15	139.18	1.000	0.000	1.00	1.414	1.41	59.2	0.0	30.0	
139.0		1.00	1.08	23.830	26.21	138.03	1.000	0.000	1.00	1.401	1.40	58.8	0.0	29.7	
140.0		1.00	1.08	23.879	26.26	136.89	1.000	0.000	1.00	1.388	1.39	58.3	0.0	29.4	
141.0		1.00	1.09	23.928	26.32	135.74	1.000	0.000	1.00	1.375	1.37	57.9	0.0	29.1	
142.0		1.00	1.09	23.976	26.37	134.58	1.000	0.000	1.00	1.362	1.36	57.5	0.0	28.8	
143.0		1.00	1.09	24.024	26.42	133.42	1.000	0.000	1.00	1.349	1.35	57.0	0.0	28.6	
144.0		1.00	1.09	24.072	26.47	132.26	1.000	0.000	1.00	1.336	1.34	56.6	0.0	28.3	
145.0		1.00	1.09	24.120	26.53	131.10	1.000	0.000	1.00	1.323	1.32	56.2	0.0	28.0	
146.0		1.00	1.10	24.167	26.58	129.93	1.000	0.000	1.00	1.310	1.31	55.7	0.0	27.7	
147.0		1.00	1.10	24.214	26.63	128.76	1.000	0.000	1.00	1.297	1.30	55.3	0.0	27.4	
148.0		1.00	1.10	24.261	26.68	127.58	1.000	0.000	1.00	1.284	1.28	54.8	0.0	27.2	
149.0		1.00	1.10	24.308	26.73	126.40	1.000	0.000	1.00	1.271	1.27	54.4	0.0	26.9	
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	125.22	1.000	0.000	1.00	1.258	1.26	53.9	0.0	26.6	

\* = Cf Adjusted By Linear Load Ra Effect

Totals:      150.00      12,320.0      0.0      17,278.5

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



8/28/2014 1:41:54 PM  
 Page: 25

© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      95.00 mph with No Ice (Reduced DL)      36 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

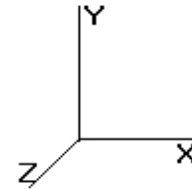
Wind Load Factor : 1.60

**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
34.00	GPS	1	15.937	17.531	1.00	1.00	1.00	0.000	0.000	28.05	0.00	0.00	9.00
34.00	Stand-off	1	15.937	17.531	1.00	1.00	2.00	0.000	0.000	56.10	0.00	0.00	45.00
35.00	Stand-off	1	16.070	17.676	1.00	1.00	2.00	0.000	0.000	56.56	0.00	0.00	45.00
35.00	GPS	1	16.070	17.676	1.00	1.00	1.00	0.000	0.000	28.28	0.00	0.00	9.00
118.0	Argus LLPX310R	3	22.741	25.015	0.63	0.80	6.49	0.000	0.000	259.61	0.00	0.00	77.22
118.0	Clearwire Mount	1	22.741	25.015	1.00	1.00	8.50	0.000	0.000	340.20	0.00	0.00	36.00
118.0	DragonWave A-ANT-	1	22.741	25.015	1.00	1.00	1.61	0.000	0.000	64.44	0.00	0.00	13.50
118.0	DragonWave A-ANT-	2	22.741	25.015	1.00	1.00	9.38	0.000	0.000	375.42	0.00	0.00	22.14
118.0	DragonWave Horizon	3	22.741	25.015	0.50	0.80	0.52	0.000	0.000	20.65	0.00	0.00	28.62
118.0	Generic 12" x 12" Ju	1	22.741	25.015	0.50	1.00	0.60	0.000	0.000	24.01	0.00	0.00	9.00
118.0	NextNet BTS-2500	3	22.741	25.015	0.50	1.00	2.73	0.000	0.000	109.27	0.00	0.00	94.50
128.0	Ericsson AIR 21, 1.3	3	23.276	25.603	0.70	0.80	10.21	0.000	0.000	418.43	0.00	0.00	247.05
128.0	Ericsson AIR 21, 1.3	3	23.276	25.603	0.70	0.80	10.15	0.000	0.000	415.68	0.00	0.00	244.08
128.0	Round Sector Frame	1	23.276	25.603	0.75	0.75	5.63	0.000	0.000	230.43	0.00	0.00	270.00
138.0	Alcatel-Lucent 4X40W	6	23.781	26.159	0.50	0.80	5.57	0.000	0.000	233.05	0.00	0.00	321.30
138.0	Alcatel-Lucent 800 M	3	23.781	26.159	0.50	0.80	3.00	0.000	0.000	125.57	0.00	0.00	166.86
138.0	RFS APXV9ERR18-C-	2	23.781	26.159	0.71	0.80	9.11	0.000	0.000	381.33	0.00	0.00	111.60
138.0	RFS APXVSPP18-C-	1	23.781	26.159	0.69	0.80	4.56	0.000	0.000	190.84	0.00	0.00	51.30
138.0	RFS IBC1900BB-1	3	23.781	26.159	0.50	0.80	1.16	0.000	0.000	48.72	0.00	0.00	59.40
138.0	RFS IBC1900HG-2A	3	23.781	26.159	0.50	0.80	1.16	0.000	0.000	48.72	0.00	0.00	59.40
138.0	T-Arms	3	23.781	26.159	0.67	0.75	7.54	0.000	0.000	315.48	0.00	0.00	675.00
138.0	RFS APXVTM14-C-I20	3	23.781	26.159	0.66	0.80	10.04	0.000	0.000	420.33	0.00	0.00	142.83
138.0	Alcatel-Lucent TD-RR	3	23.781	26.159	0.50	0.80	4.86	0.000	0.000	203.42	0.00	0.00	162.00
150.0	6' Omni	1	24.584	27.042	1.00	1.00	1.76	0.000	5.000	76.15	0.00	380.75	31.50
150.0	ADC DD1900	12	24.584	27.042	0.50	0.75	4.91	0.000	5.000	212.23	0.00	1,061.14	130.68
150.0	CSS DUO4-8670	6	24.584	27.042	0.70	0.75	18.24	0.000	5.000	789.14	0.00	3,945.68	207.90
150.0	Ericsson RRUS 11	6	24.401	26.841	0.50	0.75	5.67	0.000	1.000	243.50	0.00	243.50	297.00
150.0	Kathrein 860 10025	6	24.584	27.042	0.50	1.00	0.54	0.000	5.000	23.36	0.00	116.82	6.48
150.0	KMW AM-X-CD-16-65-	3	24.584	27.042	0.79	0.75	14.26	0.000	5.000	616.80	0.00	3,084.02	130.95
150.0	Flat Platform w/ Han	1	24.355	26.790	1.00	1.00	38.00	0.000	0.000	1,628.84	0.00	0.00	1,800.00
150.0	Raycap DC6-48-60-18-	1	24.401	26.841	1.00	1.00	1.28	0.000	1.000	54.97	0.00	54.97	28.62
										8,039.59			5,532.93

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      95.00 mph with No Ice (Reduced DL)      36 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

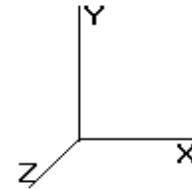
Wind Load Factor : 1.60

**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.219	0.000	5.35	4.43
5.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.219	0.000	13.06	0.00
5.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.219	0.000	0.00	0.14
5.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.219	0.000	0.00	0.14
6.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.220	0.000	5.35	4.43
6.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.220	0.000	13.06	0.00
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.220	0.000	0.00	0.14
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.220	0.000	0.00	0.14
7.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.221	0.000	5.35	4.43
7.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.221	0.000	13.06	0.00
7.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.221	0.000	0.00	0.14
7.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.221	0.000	0.00	0.14
8.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.222	0.000	5.35	4.43
8.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.222	0.000	13.06	0.00
8.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.222	0.000	0.00	0.14
8.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.222	0.000	0.00	0.14
9.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.223	0.000	5.35	4.43
9.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.223	0.000	13.06	0.00
9.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.223	0.000	0.00	0.14
9.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.223	0.000	0.00	0.14
10.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.224	0.000	5.35	4.43
10.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.224	0.000	13.06	0.00
10.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.224	0.000	0.00	0.14
10.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.224	0.000	0.00	0.14
11.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.225	0.000	5.35	4.43
11.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.225	0.000	13.06	0.00
11.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.225	0.000	0.00	0.14
11.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.225	0.000	0.00	0.14
12.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.226	0.000	5.35	4.43
12.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.226	0.000	13.06	0.00
12.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.226	0.000	0.00	0.14
12.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.226	0.000	0.00	0.14
13.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.227	0.000	5.35	4.43
13.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.227	0.000	13.06	0.00
13.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.227	0.000	0.00	0.14
13.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.227	0.000	0.00	0.14
14.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.228	0.000	5.35	4.43
14.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.228	0.000	13.06	0.00
14.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.228	0.000	0.00	0.14
14.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.228	0.000	0.00	0.14
15.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.229	0.000	5.35	4.43
15.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.229	0.000	13.06	0.00
15.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.229	0.000	0.00	0.14
15.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.229	0.000	0.00	0.14
16.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.230	0.000	5.35	4.43
16.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.230	0.000	13.06	0.00
16.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.230	0.000	0.00	0.14
16.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.230	0.000	0.00	0.14
17.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.231	0.000	5.35	4.43
17.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.231	0.000	13.06	0.00
17.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.231	0.000	0.00	0.14

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      **95.00 mph with No Ice (Reduced DL)**      **36 Iterations**

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

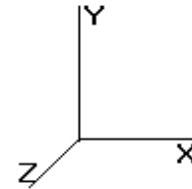
**Dead Load Factor : 0.90**

**Wind Load Factor : 1.60**

17.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.231	0.000	0.00	0.14
18.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.232	0.000	5.35	4.43
18.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.232	0.000	13.06	0.00
18.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.232	0.000	0.00	0.14
18.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.232	0.000	0.00	0.14
19.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.233	0.000	5.35	4.43
19.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.233	0.000	13.06	0.00
19.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.233	0.000	0.00	0.14
19.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.233	0.000	0.00	0.14
20.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.234	0.000	5.35	4.43
20.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.234	0.000	13.06	0.00
20.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.234	0.000	0.00	0.14
20.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.234	0.000	0.00	0.14
21.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.235	0.000	5.35	4.43
21.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.235	0.000	13.06	0.00
21.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.235	0.000	0.00	0.14
21.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.235	0.000	0.00	0.14
22.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.236	0.000	5.35	4.43
22.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.236	0.000	13.06	0.00
22.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.236	0.000	0.00	0.14
22.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.236	0.000	0.00	0.14
23.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.237	0.000	5.35	4.43
23.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.237	0.000	13.06	0.00
23.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.237	0.000	0.00	0.14
23.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.237	0.000	0.00	0.14
24.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.238	0.000	5.35	4.43
24.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.238	0.000	13.06	0.00
24.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.238	0.000	0.00	0.14
24.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.238	0.000	0.00	0.14
25.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.239	0.000	5.35	4.43
25.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.239	0.000	13.06	0.00
25.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.239	0.000	0.00	0.14
25.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.239	0.000	0.00	0.14
26.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.240	0.000	5.35	4.43
26.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.240	0.000	13.06	0.00
26.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.240	0.000	0.00	0.14
26.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.240	0.000	0.00	0.14
27.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.241	0.000	5.35	4.43
27.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.241	0.000	13.06	0.00
27.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.241	0.000	0.00	0.14
27.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.241	0.000	0.00	0.14
28.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.243	0.000	5.35	4.43
28.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.243	0.000	13.06	0.00
28.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.243	0.000	0.00	0.14
28.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.243	0.000	0.00	0.14
29.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.364	0.244	0.000	5.35	4.43
29.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.364	0.244	0.000	13.06	0.00
29.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.244	0.000	0.00	0.14
29.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.364	0.244	0.000	0.00	0.14
30.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.377	0.245	0.000	5.36	4.43
30.00	(4) #20 Dywidag Bars	Yes	1.00	0.963	6.02	0.50	0.48	15.377	0.245	0.000	13.07	0.00
30.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.377	0.245	0.000	0.00	0.14
30.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.377	0.245	0.000	0.00	0.14
31.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.522	0.246	0.000	5.41	4.43
31.00	(4) #20 Dywidag Bars	Yes	1.00	0.958	6.02	0.50	0.48	15.522	0.246	0.000	13.13	0.00
31.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.522	0.246	0.000	0.00	0.14
31.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.522	0.246	0.000	0.00	0.14

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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)**      **36 Iterations**

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

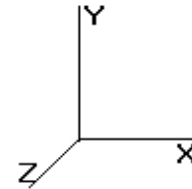
**Dead Load Factor : 0.90**

**Wind Load Factor : 1.60**

31.50	(6) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	15.593	0.247	0.000	2.74	2.23
31.50	(4) #20 Dywidag Bars	Yes	0.50	0.956	6.02	0.25	0.24	15.593	0.247	0.000	6.62	0.00
31.50	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	15.593	0.247	0.000	0.00	0.07
31.50	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	15.593	0.247	0.000	0.00	0.07
32.00	(6) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	15.663	0.248	0.000	2.71	2.20
32.00	(4) #20 Dywidag Bars	Yes	0.50	0.954	6.02	0.25	0.24	15.663	0.248	0.000	6.55	0.00
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	15.663	0.248	0.000	0.00	0.07
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	15.663	0.248	0.000	0.00	0.07
33.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.802	0.248	0.000	5.51	4.43
33.00	(4) #20 Dywidag Bars	Yes	1.00	0.950	6.02	0.50	0.48	15.802	0.248	0.000	13.25	0.00
33.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.802	0.248	0.000	0.00	0.14
33.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.802	0.248	0.000	0.00	0.14
34.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	15.937	0.250	0.000	5.55	4.43
34.00	(4) #20 Dywidag Bars	Yes	1.00	0.946	6.02	0.50	0.47	15.937	0.250	0.000	13.31	0.00
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.937	0.250	0.000	0.00	0.14
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	15.937	0.250	0.000	0.00	0.14
35.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.070	0.251	0.000	5.60	4.43
35.00	(4) #20 Dywidag Bars	Yes	1.00	0.942	6.02	0.50	0.47	16.070	0.251	0.000	13.36	0.00
35.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	16.070	0.251	0.000	0.00	0.14
35.67	(6) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	16.157	0.252	0.000	3.77	2.97
35.67	(4) #20 Dywidag Bars	Yes	0.67	0.939	6.02	0.34	0.32	16.157	0.252	0.000	8.98	0.00
36.00	(6) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	16.199	0.248	0.000	1.86	1.46
36.00	(4) #20 Dywidag Bars	Yes	0.33	0.938	6.02	0.17	0.16	16.199	0.248	0.000	4.43	0.00
37.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.327	0.248	0.000	5.69	4.43
37.00	(4) #20 Dywidag Bars	Yes	1.00	0.934	6.02	0.50	0.47	16.327	0.248	0.000	13.47	0.00
38.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.452	0.250	0.000	5.73	4.43
38.00	(4) #20 Dywidag Bars	Yes	1.00	0.931	6.02	0.50	0.47	16.452	0.250	0.000	13.52	0.00
39.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.574	0.251	0.000	5.78	4.43
39.00	(4) #20 Dywidag Bars	Yes	1.00	0.927	6.02	0.50	0.47	16.574	0.251	0.000	13.57	0.00
40.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.694	0.252	0.000	5.82	4.43
40.00	(4) #20 Dywidag Bars	Yes	1.00	0.924	6.02	0.50	0.46	16.694	0.252	0.000	13.62	0.00
41.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.813	0.253	0.000	5.86	4.43
41.00	(4) #20 Dywidag Bars	Yes	1.00	0.921	6.02	0.50	0.46	16.813	0.253	0.000	13.67	0.00
42.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	16.929	0.254	0.000	5.90	4.43
42.00	(4) #20 Dywidag Bars	Yes	1.00	0.917	6.02	0.50	0.46	16.929	0.254	0.000	13.71	0.00
43.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.043	0.256	0.000	5.94	4.43
43.00	(4) #20 Dywidag Bars	Yes	1.00	0.914	6.02	0.50	0.46	17.043	0.256	0.000	13.76	0.00
44.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.155	0.257	0.000	5.98	4.43
44.00	(4) #20 Dywidag Bars	Yes	1.00	0.911	6.02	0.50	0.46	17.155	0.257	0.000	13.80	0.00
45.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.266	0.258	0.000	6.02	4.43
45.00	(4) #20 Dywidag Bars	Yes	1.00	0.908	6.02	0.50	0.46	17.266	0.258	0.000	13.85	0.00
46.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.375	0.260	0.000	6.05	4.43
46.00	(4) #20 Dywidag Bars	Yes	1.00	0.906	6.02	0.50	0.45	17.375	0.260	0.000	13.89	0.00
47.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.482	0.261	0.000	6.09	4.43
47.00	(4) #20 Dywidag Bars	Yes	1.00	0.903	6.02	0.50	0.45	17.482	0.261	0.000	13.94	0.00
48.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.587	0.262	0.000	6.13	4.43
48.00	(4) #20 Dywidag Bars	Yes	1.00	0.900	6.02	0.50	0.45	17.587	0.262	0.000	13.98	0.00
49.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.691	0.264	0.000	6.16	4.43
49.00	(4) #20 Dywidag Bars	Yes	1.00	0.897	6.02	0.50	0.45	17.691	0.264	0.000	14.02	0.00
50.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.793	0.265	0.000	6.20	4.43
50.00	(4) #20 Dywidag Bars	Yes	1.00	0.895	6.02	0.50	0.45	17.793	0.265	0.000	14.06	0.00
51.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.894	0.266	0.000	6.24	4.43
51.00	(4) #20 Dywidag Bars	Yes	1.00	0.892	6.02	0.50	0.45	17.894	0.266	0.000	14.10	0.00
52.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	17.994	0.268	0.000	6.27	4.43
52.00	(4) #20 Dywidag Bars	Yes	1.00	0.890	6.02	0.50	0.45	17.994	0.268	0.000	14.14	0.00
53.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.092	0.269	0.000	6.30	4.43
53.00	(4) #20 Dywidag Bars	Yes	1.00	0.887	6.02	0.50	0.45	18.092	0.269	0.000	14.18	0.00

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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)                      36 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

Dead Load Factor : 0.90

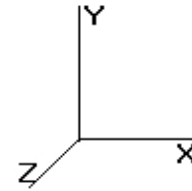
Wind Load Factor : 1.60

54.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.189	0.271	0.000	6.34	4.43
54.00	(4) #20 Dywidag Bars	Yes	1.00	0.885	6.02	0.50	0.44	18.189	0.271	0.000	14.21	0.00
55.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.285	0.272	0.000	6.37	4.43
55.00	(4) #20 Dywidag Bars	Yes	1.00	0.883	6.02	0.50	0.44	18.285	0.272	0.000	14.25	0.00
56.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.379	0.273	0.000	6.40	4.43
56.00	(4) #20 Dywidag Bars	Yes	1.00	0.881	6.02	0.50	0.44	18.379	0.273	0.000	14.29	0.00
57.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.472	0.275	0.000	6.44	4.43
57.00	(4) #20 Dywidag Bars	Yes	1.00	0.878	6.02	0.50	0.44	18.472	0.275	0.000	14.32	0.00
58.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.564	0.276	0.000	6.47	4.43
58.00	(4) #20 Dywidag Bars	Yes	1.00	0.876	6.02	0.50	0.44	18.564	0.276	0.000	14.36	0.00
59.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.655	0.278	0.000	6.50	4.43
59.00	(4) #20 Dywidag Bars	Yes	1.00	0.874	6.02	0.50	0.44	18.655	0.278	0.000	14.40	0.00
60.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.745	0.279	0.000	6.53	4.43
60.00	(4) #20 Dywidag Bars	Yes	1.00	0.872	6.02	0.50	0.44	18.745	0.279	0.000	14.43	0.00
61.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.834	0.281	0.000	6.56	4.43
61.00	(4) #20 Dywidag Bars	Yes	1.00	0.870	6.02	0.50	0.44	18.834	0.281	0.000	14.46	0.00
62.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	18.921	0.283	0.000	6.59	4.43
62.00	(4) #20 Dywidag Bars	Yes	1.00	0.868	6.02	0.50	0.44	18.921	0.283	0.000	14.50	0.00
63.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.008	0.284	0.000	6.62	4.43
63.00	(4) #20 Dywidag Bars	Yes	1.00	0.866	6.02	0.50	0.43	19.008	0.284	0.000	14.53	0.00
64.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.094	0.286	0.000	6.65	4.43
64.00	(4) #20 Dywidag Bars	Yes	1.00	0.864	6.02	0.50	0.43	19.094	0.286	0.000	14.56	0.00
65.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.179	0.287	0.000	6.68	4.43
65.00	(4) #20 Dywidag Bars	Yes	1.00	0.862	6.02	0.50	0.43	19.179	0.287	0.000	14.60	0.00
66.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.262	0.289	0.000	6.71	4.43
66.00	(4) #20 Dywidag Bars	Yes	1.00	0.860	6.02	0.50	0.43	19.262	0.289	0.000	14.63	0.00
67.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.345	0.291	0.000	6.74	4.43
67.00	(4) #20 Dywidag Bars	Yes	1.00	0.858	6.02	0.50	0.43	19.345	0.291	0.000	14.66	0.00
68.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.427	0.292	0.000	6.77	4.43
68.00	(4) #20 Dywidag Bars	Yes	1.00	0.856	6.02	0.50	0.43	19.427	0.292	0.000	14.69	0.00
69.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.509	0.294	0.000	6.80	4.43
69.00	(4) #20 Dywidag Bars	Yes	1.00	0.855	6.02	0.50	0.43	19.509	0.294	0.000	14.72	0.00
70.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.589	0.296	0.000	6.83	4.43
70.00	(4) #20 Dywidag Bars	Yes	1.00	0.853	6.02	0.50	0.43	19.589	0.296	0.000	14.75	0.00
70.05	(6) 1 5/8" Coax	Yes	0.05	1.200	1.98	0.01	0.01	19.593	0.296	0.000	0.36	0.24
70.05	(4) #20 Dywidag Bars	Yes	0.05	0.853	6.02	0.03	0.02	19.593	0.296	0.000	0.79	0.00
71.00	(6) 1 5/8" Coax	Yes	0.95	1.200	1.98	0.16	0.19	19.669	0.297	0.000	6.49	4.19
71.00	(4) #20 Dywidag Bars	Yes	0.95	0.851	6.02	0.47	0.40	19.669	0.297	0.000	13.99	0.00
72.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.747	0.299	0.000	6.88	4.43
72.00	(4) #20 Dywidag Bars	Yes	1.00	0.849	6.02	0.50	0.43	19.747	0.299	0.000	14.81	0.00
73.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.825	0.301	0.000	6.91	4.43
73.00	(4) #20 Dywidag Bars	Yes	1.00	0.848	6.02	0.50	0.43	19.825	0.301	0.000	14.84	0.00
73.55	(6) 1 5/8" Coax	Yes	0.55	1.200	1.98	0.09	0.11	19.868	0.302	0.000	3.83	2.45
73.55	(4) #20 Dywidag Bars	Yes	0.55	0.847	6.02	0.28	0.24	19.868	0.302	0.000	8.22	0.00
74.00	(6) 1 5/8" Coax	Yes	0.45	1.200	1.98	0.07	0.09	19.902	0.297	0.000	3.10	1.98
74.00	(4) #20 Dywidag Bars	Yes	0.45	0.846	6.02	0.22	0.19	19.902	0.297	0.000	6.64	0.00
75.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	19.979	0.298	0.000	6.96	4.43
75.00	(4) #20 Dywidag Bars	Yes	1.00	0.845	6.02	0.50	0.42	19.979	0.298	0.000	14.90	0.00
76.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.055	0.300	0.000	6.99	4.43
76.00	(4) #20 Dywidag Bars	Yes	1.00	0.843	6.02	0.50	0.42	20.055	0.300	0.000	14.93	0.00
77.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.130	0.302	0.000	7.01	4.43
77.00	(4) #20 Dywidag Bars	Yes	1.00	0.841	6.02	0.50	0.42	20.130	0.302	0.000	14.95	0.00
78.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.204	0.304	0.000	7.04	4.43
78.00	(4) #20 Dywidag Bars	Yes	1.00	0.840	6.02	0.50	0.42	20.204	0.304	0.000	14.98	0.00
79.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.278	0.306	0.000	7.07	4.43
79.00	(4) #20 Dywidag Bars	Yes	1.00	0.838	6.02	0.50	0.42	20.278	0.306	0.000	15.01	0.00
80.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.351	0.307	0.000	7.09	4.43



Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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) 36 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

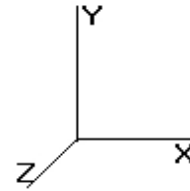
Wind Load Factor : 1.60

80.00	(4) #20 Dywidag Bars	Yes	1.00	0.837	6.02	0.50	0.42	20.351	0.307	0.000	15.04	0.00
81.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.423	0.309	0.000	7.12	4.43
81.00	(4) #20 Dywidag Bars	Yes	1.00	0.835	6.02	0.50	0.42	20.423	0.309	0.000	15.06	0.00
82.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.495	0.311	0.000	7.14	4.43
82.00	(4) #20 Dywidag Bars	Yes	1.00	0.834	6.02	0.50	0.42	20.495	0.311	0.000	15.09	0.00
83.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.566	0.313	0.000	7.17	4.43
83.00	(4) #20 Dywidag Bars	Yes	1.00	0.832	6.02	0.50	0.42	20.566	0.313	0.000	15.11	0.00
84.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.636	0.315	0.000	7.19	4.43
84.00	(4) #20 Dywidag Bars	Yes	1.00	0.831	6.02	0.50	0.42	20.636	0.315	0.000	15.14	0.00
85.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.706	0.317	0.000	7.22	4.43
85.00	(4) #20 Dywidag Bars	Yes	1.00	0.830	6.02	0.50	0.42	20.706	0.317	0.000	15.17	0.00
86.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.776	0.319	0.000	7.24	4.43
86.00	(4) #20 Dywidag Bars	Yes	1.00	0.828	6.02	0.50	0.42	20.776	0.319	0.000	15.19	0.00
87.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.844	0.321	0.000	7.26	4.43
87.00	(4) #20 Dywidag Bars	Yes	1.00	0.827	6.02	0.50	0.41	20.844	0.321	0.000	15.22	0.00
88.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.913	0.323	0.000	7.29	4.43
88.00	(4) #20 Dywidag Bars	Yes	1.00	0.825	6.02	0.50	0.41	20.913	0.323	0.000	15.24	0.00
89.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	20.980	0.325	0.000	7.31	4.43
89.00	(4) #20 Dywidag Bars	Yes	1.00	0.824	6.02	0.50	0.41	20.980	0.325	0.000	15.27	0.00
90.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.047	0.327	0.000	7.33	4.43
90.00	(4) #20 Dywidag Bars	Yes	1.00	0.823	6.02	0.50	0.41	21.047	0.327	0.000	15.29	0.00
91.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	21.114	0.329	0.000	7.36	4.43
91.00	(4) #20 Dywidag Bars	Yes	1.00	0.822	6.02	0.50	0.41	21.114	0.329	0.000	15.31	0.00
92.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.180	0.082	0.000	0.00	4.43
93.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.245	0.083	0.000	0.00	4.43
94.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.310	0.083	0.000	0.00	4.43
95.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.375	0.084	0.000	0.00	4.43
96.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.439	0.084	0.000	0.00	4.43
97.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.503	0.085	0.000	0.00	4.43
98.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.566	0.085	0.000	0.00	4.43
99.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.628	0.086	0.000	0.00	4.43
100.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.690	0.086	0.000	0.00	4.43
101.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.752	0.087	0.000	0.00	4.43
102.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.814	0.088	0.000	0.00	4.43
103.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.874	0.088	0.000	0.00	4.43
104.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.935	0.089	0.000	0.00	4.43
105.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	21.995	0.090	0.000	0.00	4.43
106.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.055	0.090	0.000	0.00	4.43
107.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.114	0.091	0.000	0.00	4.43
108.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.173	0.091	0.000	0.00	4.43
109.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.231	0.092	0.000	0.00	4.43
110.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.289	0.093	0.000	0.00	4.43
110.0	(6) 1 5/8" Coax	Yes	0.05	0.000	1.98	0.01	0.00	22.292	0.093	0.000	0.00	0.24
111.0	(6) 1 5/8" Coax	Yes	0.95	0.000	1.98	0.16	0.00	22.347	0.093	0.000	0.00	4.19
112.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.404	0.094	0.000	0.00	4.43
113.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.461	0.095	0.000	0.00	4.43
114.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.518	0.096	0.000	0.00	4.43
115.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.574	0.096	0.000	0.00	4.43
116.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.630	0.097	0.000	0.00	4.43
117.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.686	0.098	0.000	0.00	4.43
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.741	0.099	0.000	0.00	4.43
119.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.796	0.099	0.000	0.00	4.43
120.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.850	0.100	0.000	0.00	4.43
121.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.905	0.101	1.003	0.00	4.43
122.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.959	0.102	1.005	0.00	4.43
123.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.012	0.103	1.008	0.00	4.43
124.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.065	0.103	1.010	0.00	4.43

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:55 PM  
 Page: 31



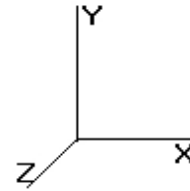
© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W                      95.00 mph with No Ice (Reduced DL)                      36 Iterations  
 Gust Response Factor : 1.10                      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

125.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.118	0.104	1.013	0.00	4.43
126.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.171	0.105	1.015	0.00	4.43
127.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.223	0.106	1.018	0.00	4.43
128.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.276	0.107	1.021	0.00	4.43
<b>Totals:</b>											1,753.02	557.24

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	36 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

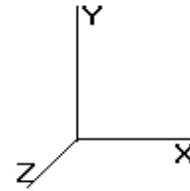
**Applied Segment Forces Summary**

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	83.81	198.26	0.00	0.00
2.00	83.46	197.70	0.00	0.00
3.00	83.10	197.15	0.00	0.00
4.00	82.75	196.59	0.00	0.00
5.00	117.30	221.75	0.00	0.00
6.00	116.88	221.19	0.00	0.00
7.00	116.46	220.64	0.00	0.00
8.00	116.03	220.08	0.00	0.00
9.00	115.61	219.52	0.00	0.00
10.00	115.19	218.96	0.00	0.00
11.00	114.77	218.41	0.00	0.00
12.00	114.34	217.85	0.00	0.00
13.00	113.92	217.29	0.00	0.00
14.00	113.50	216.73	0.00	0.00
15.00	113.08	216.17	0.00	0.00
16.00	112.66	215.62	0.00	0.00
17.00	112.23	215.06	0.00	0.00
18.00	111.81	214.50	0.00	0.00
19.00	111.39	213.94	0.00	0.00
20.00	110.97	213.39	0.00	0.00
21.00	110.55	212.83	0.00	0.00
22.00	110.12	212.27	0.00	0.00
23.00	109.70	211.71	0.00	0.00
24.00	109.28	211.16	0.00	0.00
25.00	108.86	210.60	0.00	0.00
26.00	108.43	210.04	0.00	0.00
27.00	108.01	209.48	0.00	0.00
28.00	107.59	208.93	0.00	0.00
29.00	107.17	208.37	0.00	0.00
30.00	106.83	207.81	0.00	0.00
31.00	107.35	207.25	0.00	0.00
31.50	54.10	104.11	0.00	0.00
32.00	54.39	150.84	0.00	0.00
33.00	110.09	302.94	0.00	0.00
34.00	194.69	355.91	0.00	0.00
35.00	195.81	354.76	0.00	0.00
35.67	74.48	200.84	0.00	0.00
36.00	36.70	61.88	0.00	0.00
37.00	111.74	187.19	0.00	0.00
38.00	112.09	186.73	0.00	0.00
39.00	112.42	186.26	0.00	0.00
40.00	112.73	185.80	0.00	0.00
41.00	113.01	185.33	0.00	0.00
42.00	113.28	184.87	0.00	0.00
43.00	113.53	184.40	0.00	0.00
44.00	113.76	183.94	0.00	0.00
45.00	113.98	183.47	0.00	0.00
46.00	114.17	183.01	0.00	0.00
47.00	114.35	182.54	0.00	0.00

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:55 PM  
 Page: 33



© 2007 - 2014 by ATC IP LLC. All rights reserved.

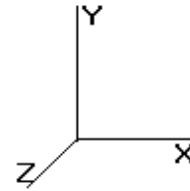
**Load Case:** 0.9D + 1.6W      95.00 mph with No Ice (Reduced DL)      36 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

48.00	114.52	182.08	0.00	0.00
49.00	114.67	181.61	0.00	0.00
50.00	114.80	181.15	0.00	0.00
51.00	114.92	180.68	0.00	0.00
52.00	115.03	180.22	0.00	0.00
53.00	115.12	179.76	0.00	0.00
54.00	115.20	179.29	0.00	0.00
55.00	115.26	178.83	0.00	0.00
56.00	115.32	178.36	0.00	0.00
57.00	115.36	177.90	0.00	0.00
58.00	115.39	177.43	0.00	0.00
59.00	115.40	176.97	0.00	0.00
60.00	115.41	176.50	0.00	0.00
61.00	115.40	176.04	0.00	0.00
62.00	115.39	175.57	0.00	0.00
63.00	115.36	175.11	0.00	0.00
64.00	115.32	174.64	0.00	0.00
65.00	115.28	174.18	0.00	0.00
66.00	115.22	173.71	0.00	0.00
67.00	115.15	173.25	0.00	0.00
68.00	115.08	172.78	0.00	0.00
69.00	114.99	172.32	0.00	0.00
70.00	114.89	171.86	0.00	0.00
70.05	6.11	9.15	0.00	0.00
71.00	110.35	223.48	0.00	0.00
72.00	116.48	235.25	0.00	0.00
73.00	116.36	234.42	0.00	0.00
73.55	64.28	129.35	0.00	0.00
74.00	51.85	69.56	0.00	0.00
75.00	116.11	155.46	0.00	0.00
76.00	115.97	155.09	0.00	0.00
77.00	115.82	154.72	0.00	0.00
78.00	115.67	154.35	0.00	0.00
79.00	115.51	153.98	0.00	0.00
80.00	115.34	153.60	0.00	0.00
81.00	115.16	153.23	0.00	0.00
82.00	114.97	152.86	0.00	0.00
83.00	114.78	152.49	0.00	0.00
84.00	114.58	152.12	0.00	0.00
85.00	114.37	151.74	0.00	0.00
86.00	114.16	84.57	0.00	0.00
87.00	113.94	84.20	0.00	0.00
88.00	113.71	83.83	0.00	0.00
89.00	113.48	83.46	0.00	0.00
90.00	113.24	83.09	0.00	0.00
91.00	112.99	82.71	0.00	0.00
92.00	75.02	82.34	0.00	0.00
93.00	74.76	81.97	0.00	0.00
94.00	74.50	81.60	0.00	0.00
95.00	74.24	81.23	0.00	0.00
96.00	73.97	80.86	0.00	0.00
97.00	73.70	80.48	0.00	0.00
98.00	73.42	80.11	0.00	0.00
99.00	73.14	79.74	0.00	0.00
100.0	72.85	79.37	0.00	0.00
101.0	72.56	79.00	0.00	0.00
102.0	72.27	78.63	0.00	0.00

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:55 PM  
 Page: 34



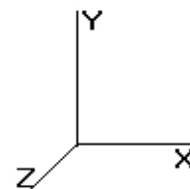
© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 0.9D + 1.6W      95.00 mph with No Ice (Reduced DL)      36 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 0.90  
 Wind Load Factor : 1.60

103.0	71.97	78.25	0.00	0.00
104.0	71.67	77.88	0.00	0.00
105.0	71.36	77.51	0.00	0.00
106.0	71.05	77.14	0.00	0.00
107.0	70.73	76.77	0.00	0.00
108.0	70.41	76.39	0.00	0.00
109.0	70.09	76.02	0.00	0.00
110.0	69.76	75.65	0.00	0.00
110.0	3.71	4.02	0.00	0.00
111.0	65.71	59.57	0.00	0.00
112.0	69.09	62.66	0.00	0.00
113.0	68.76	62.38	0.00	0.00
114.0	68.41	62.10	0.00	0.00
115.0	68.07	61.82	0.00	0.00
116.0	67.72	61.54	0.00	0.00
117.0	67.37	61.26	0.00	0.00
118.0	1,260.62	341.97	0.00	0.00
119.0	66.65	56.77	0.00	0.00
120.0	66.28	56.50	0.00	0.00
121.0	65.92	56.22	0.00	0.00
122.0	65.55	55.94	0.00	0.00
123.0	65.17	55.66	0.00	0.00
124.0	64.80	55.38	0.00	0.00
125.0	64.42	55.10	0.00	0.00
126.0	64.03	54.82	0.00	0.00
127.0	63.64	54.54	0.00	0.00
128.0	1,127.80	815.39	0.00	0.00
129.0	62.86	48.39	0.00	0.00
130.0	62.46	48.11	0.00	0.00
131.0	62.07	47.83	0.00	0.00
132.0	61.66	47.55	0.00	0.00
133.0	61.26	47.27	0.00	0.00
134.0	60.85	46.99	0.00	0.00
135.0	60.44	46.72	0.00	0.00
136.0	60.02	46.44	0.00	0.00
137.0	59.60	46.16	0.00	0.00
138.0	2,026.63	1,795.57	0.00	0.00
139.0	58.76	42.00	0.00	0.00
140.0	58.33	41.72	0.00	0.00
141.0	57.90	41.44	0.00	0.00
142.0	57.47	41.16	0.00	0.00
143.0	57.04	40.88	0.00	0.00
144.0	56.60	40.61	0.00	0.00
145.0	56.16	40.33	0.00	0.00
146.0	55.72	40.05	0.00	0.00
147.0	55.27	39.77	0.00	0.00
148.0	54.82	39.49	0.00	0.00
149.0	54.37	39.21	0.00	0.00
150.0	3,698.91	2,672.06	0.00	8,886.88
Totals:	22,112.59	26,243.37	0.00	8,886.88

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



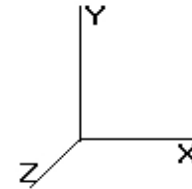
**Load Case:** 0.9D + 1.6W                      95.00 mph with No Ice (Reduced DL)                      36 Iterations  
**Gust Response Factor :** 1.10                      **Wind Importance Factor :** 1.00  
**Dead Load Factor :** 0.90  
**Wind Load Factor :** 1.60

**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	-26.23	-22.12	0.00	-2,143.32	0.00	2,143.32	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.595
1.00	-26.01	-22.06	0.00	-2,121.19	0.00	2,121.19	3,050.02	1,525.01	4,454.73	2,200.02	0.01	-0.05	0.592
2.00	-25.80	-22.00	0.00	-2,099.13	0.00	2,099.13	3,041.57	1,520.78	4,423.29	2,184.50	0.02	-0.11	0.589
3.00	-25.58	-21.94	0.00	-2,077.13	0.00	2,077.13	3,033.07	1,516.54	4,391.91	2,169.00	0.05	-0.16	0.585
4.00	-25.36	-21.88	0.00	-2,055.19	0.00	2,055.19	3,024.54	1,512.27	4,360.59	2,153.53	0.09	-0.21	0.582
5.00	-25.12	-21.79	0.00	-2,033.30	0.00	2,033.30	3,015.97	1,507.99	4,329.31	2,138.08	0.14	-0.27	0.578
6.00	-24.88	-21.69	0.00	-2,011.51	0.00	2,011.51	3,007.36	1,503.68	4,298.09	2,122.66	0.20	-0.32	0.575
7.00	-24.64	-21.60	0.00	-1,989.82	0.00	1,989.82	2,998.72	1,499.36	4,266.91	2,107.27	0.28	-0.37	0.572
8.00	-24.40	-21.50	0.00	-1,968.22	0.00	1,968.22	2,990.03	1,495.02	4,235.80	2,091.90	0.36	-0.42	0.568
9.00	-24.16	-21.41	0.00	-1,946.72	0.00	1,946.72	2,981.31	1,490.65	4,204.74	2,076.56	0.45	-0.48	0.565
10.00	-23.92	-21.31	0.00	-1,925.31	0.00	1,925.31	2,972.54	1,486.27	4,173.73	2,061.25	0.56	-0.53	0.561
11.00	-23.69	-21.22	0.00	-1,904.00	0.00	1,904.00	2,963.74	1,481.87	4,142.78	2,045.96	0.68	-0.58	0.558
12.00	-23.45	-21.12	0.00	-1,882.78	0.00	1,882.78	2,954.90	1,477.45	4,111.88	2,030.70	0.80	-0.64	0.555
13.00	-23.22	-21.03	0.00	-1,861.65	0.00	1,861.65	2,946.03	1,473.01	4,081.05	2,015.48	0.94	-0.69	0.551
14.00	-22.98	-20.93	0.00	-1,840.63	0.00	1,840.63	2,937.11	1,468.55	4,050.27	2,000.28	1.09	-0.74	0.548
15.00	-22.75	-20.84	0.00	-1,819.69	0.00	1,819.69	2,928.15	1,464.08	4,019.55	1,985.10	1.26	-0.79	0.544
16.00	-22.51	-20.74	0.00	-1,798.85	0.00	1,798.85	2,919.16	1,459.58	3,988.89	1,969.96	1.43	-0.85	0.541
17.00	-22.28	-20.65	0.00	-1,778.11	0.00	1,778.11	2,910.13	1,455.06	3,958.29	1,954.85	1.61	-0.90	0.537
18.00	-22.05	-20.55	0.00	-1,757.46	0.00	1,757.46	2,901.06	1,450.53	3,927.75	1,939.77	1.81	-0.95	0.534
19.00	-21.82	-20.46	0.00	-1,736.91	0.00	1,736.91	2,891.95	1,445.97	3,897.28	1,924.72	2.01	-1.01	0.530
20.00	-21.59	-20.36	0.00	-1,716.45	0.00	1,716.45	2,882.80	1,441.40	3,866.87	1,909.70	2.23	-1.06	0.527
21.00	-21.36	-20.27	0.00	-1,696.08	0.00	1,696.08	2,873.62	1,436.81	3,836.52	1,894.71	2.46	-1.11	0.523
22.00	-21.13	-20.17	0.00	-1,675.82	0.00	1,675.82	2,864.39	1,432.20	3,806.23	1,879.75	2.69	-1.16	0.520
23.00	-20.90	-20.08	0.00	-1,655.64	0.00	1,655.64	2,855.13	1,427.56	3,776.01	1,864.83	2.94	-1.22	0.516
24.00	-20.68	-19.98	0.00	-1,635.56	0.00	1,635.56	2,845.83	1,422.91	3,745.85	1,849.94	3.20	-1.27	0.513
25.00	-20.45	-19.89	0.00	-1,615.58	0.00	1,615.58	2,835.25	1,417.62	3,714.14	1,834.28	3.48	-1.32	0.509
26.00	-20.23	-19.79	0.00	-1,595.69	0.00	1,595.69	2,824.83	1,410.91	3,678.86	1,818.85	3.76	-1.37	0.506
27.00	-20.00	-19.70	0.00	-1,575.89	0.00	1,575.89	2,808.40	1,404.20	3,643.74	1,799.51	4.05	-1.43	0.503
28.00	-19.78	-19.61	0.00	-1,556.19	0.00	1,556.19	2,794.98	1,397.49	3,608.79	1,782.25	4.36	-1.48	0.501
29.00	-19.55	-19.51	0.00	-1,536.59	0.00	1,536.59	2,781.56	1,390.78	3,574.01	1,765.07	4.67	-1.53	0.498
30.00	-19.33	-19.42	0.00	-1,517.08	0.00	1,517.08	2,768.14	1,384.07	3,539.40	1,747.98	5.00	-1.58	0.495
31.00	-19.11	-19.32	0.00	-1,497.66	0.00	1,497.66	2,754.72	1,377.36	3,504.96	1,730.97	5.34	-1.64	0.492
31.50	-19.00	-19.27	0.00	-1,487.94	0.00	1,487.94	2,747.96	1,373.98	3,487.68	1,722.44	5.51	-1.66	0.490
32.00	-18.84	-19.22	0.00	-1,478.37	0.00	1,478.37	2,741.30	1,370.65	3,470.68	1,714.04	5.69	-1.69	0.482
33.00	-18.52	-19.12	0.00	-1,459.15	0.00	1,459.15	2,727.87	1,363.94	3,436.57	1,697.20	6.05	-1.74	0.479
34.00	-18.16	-18.93	0.00	-1,440.03	0.00	1,440.03	2,714.45	1,357.23	3,402.64	1,680.43	6.42	-1.79	0.476
35.00	-17.79	-18.74	0.00	-1,421.10	0.00	1,421.10	2,701.03	1,350.51	3,368.87	1,663.76	6.80	-1.84	0.472
35.67	-17.59	-18.66	0.00	-1,408.55	0.00	1,408.55	2,180.41	1,090.21	2,778.27	1,372.08	7.06	-1.88	0.537
36.00	-17.52	-18.63	0.00	-1,402.39	0.00	1,402.39	2,178.20	1,089.10	2,770.95	1,368.47	7.19	-1.89	0.536
37.00	-17.31	-18.53	0.00	-1,383.76	0.00	1,383.76	2,171.49	1,085.75	2,748.79	1,357.52	7.59	-1.95	0.531
38.00	-17.11	-18.43	0.00	-1,365.22	0.00	1,365.22	2,164.74	1,082.37	2,726.66	1,346.60	8.00	-2.00	0.526
39.00	-16.91	-18.33	0.00	-1,346.79	0.00	1,346.79	2,157.96	1,078.98	2,704.57	1,335.69	8.43	-2.06	0.522
40.00	-16.72	-18.22	0.00	-1,328.47	0.00	1,328.47	2,151.13	1,075.57	2,682.52	1,324.80	8.87	-2.11	0.517
41.00	-16.52	-18.12	0.00	-1,310.24	0.00	1,310.24	2,144.27	1,072.13	2,660.51	1,313.93	9.31	-2.16	0.513
42.00	-16.32	-18.01	0.00	-1,292.12	0.00	1,292.12	2,137.36	1,068.68	2,638.53	1,303.07	9.77	-2.22	0.508
43.00	-16.12	-17.91	0.00	-1,274.11	0.00	1,274.11	2,130.42	1,065.21	2,616.60	1,292.24	10.24	-2.27	0.503
44.00	-15.93	-17.80	0.00	-1,256.20	0.00	1,256.20	2,123.44	1,061.72	2,594.70	1,281.43	10.72	-2.32	0.499
45.00	-15.73	-17.70	0.00	-1,238.40	0.00	1,238.40	2,116.42	1,058.21	2,572.85	1,270.63	11.22	-2.38	0.494
46.00	-15.54	-17.59	0.00	-1,220.70	0.00	1,220.70	2,109.36	1,054.68	2,551.04	1,259.86	11.72	-2.43	0.490
47.00	-15.35	-17.48	0.00	-1,203.11	0.00	1,203.11	2,102.27	1,051.13	2,529.26	1,249.11	12.24	-2.48	0.485
48.00	-15.15	-17.37	0.00	-1,185.63	0.00	1,185.63	2,095.13	1,047.57	2,507.54	1,238.38	12.76	-2.54	0.480

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

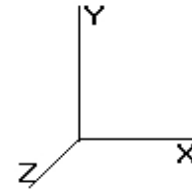


<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	36 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

49.00	-14.96	-17.26	0.00	-1,168.26	0.00	1,168.26	2,087.96	1,043.98	2,485.85	1,227.67	13.30	-2.59	0.476
50.00	-14.77	-17.15	0.00	-1,150.99	0.00	1,150.99	2,080.75	1,040.37	2,464.21	1,216.98	13.85	-2.64	0.471
51.00	-14.58	-17.04	0.00	-1,133.84	0.00	1,133.84	2,073.50	1,036.75	2,442.62	1,206.32	14.41	-2.69	0.466
52.00	-14.39	-16.93	0.00	-1,116.80	0.00	1,116.80	2,066.21	1,033.11	2,421.07	1,195.68	14.98	-2.75	0.462
53.00	-14.20	-16.82	0.00	-1,099.86	0.00	1,099.86	2,058.88	1,029.44	2,399.57	1,185.06	15.56	-2.80	0.457
54.00	-14.01	-16.71	0.00	-1,083.04	0.00	1,083.04	2,051.52	1,025.76	2,378.11	1,174.46	16.15	-2.85	0.452
55.00	-13.82	-16.60	0.00	-1,066.33	0.00	1,066.33	2,044.11	1,022.06	2,356.71	1,163.89	16.75	-2.90	0.448
56.00	-13.64	-16.49	0.00	-1,049.73	0.00	1,049.73	2,036.67	1,018.34	2,335.35	1,153.34	17.36	-2.95	0.443
57.00	-13.45	-16.38	0.00	-1,033.24	0.00	1,033.24	2,029.19	1,014.59	2,314.04	1,142.82	17.99	-3.00	0.438
58.00	-13.26	-16.26	0.00	-1,016.86	0.00	1,016.86	2,021.67	1,010.84	2,292.78	1,132.32	18.62	-3.06	0.433
59.00	-13.08	-16.15	0.00	-1,000.60	0.00	1,000.60	2,014.11	1,007.06	2,271.57	1,121.84	19.27	-3.11	0.429
60.00	-12.90	-16.04	0.00	-984.45	0.00	984.45	2,006.52	1,003.26	2,250.42	1,111.40	19.92	-3.16	0.424
61.00	-12.71	-15.92	0.00	-968.41	0.00	968.41	1,998.88	999.44	2,229.31	1,100.97	20.59	-3.21	0.419
62.00	-12.53	-15.81	0.00	-952.49	0.00	952.49	1,991.21	995.60	2,208.26	1,090.58	21.27	-3.26	0.415
63.00	-12.35	-15.69	0.00	-936.68	0.00	936.68	1,983.49	991.75	2,187.27	1,080.21	21.96	-3.31	0.410
64.00	-12.17	-15.58	0.00	-920.99	0.00	920.99	1,975.74	987.87	2,166.32	1,069.87	22.65	-3.36	0.405
65.00	-11.99	-15.46	0.00	-905.41	0.00	905.41	1,966.30	983.15	2,143.64	1,058.66	23.36	-3.41	0.401
66.00	-11.81	-15.35	0.00	-889.94	0.00	889.94	1,955.12	977.56	2,119.18	1,046.58	24.08	-3.46	0.397
67.00	-11.63	-15.23	0.00	-874.59	0.00	874.59	1,943.93	971.97	2,094.86	1,034.57	24.81	-3.51	0.393
68.00	-11.45	-15.12	0.00	-859.36	0.00	859.36	1,932.75	966.37	2,070.68	1,022.63	25.55	-3.56	0.389
69.00	-11.27	-15.00	0.00	-844.24	0.00	844.24	1,921.56	960.78	2,046.64	1,010.76	26.30	-3.61	0.385
70.00	-11.10	-14.88	0.00	-829.24	0.00	829.24	1,910.38	955.19	2,022.74	998.96	27.06	-3.65	0.381
70.05	-11.09	-14.88	0.00	-828.45	0.00	828.45	1,909.78	954.89	2,021.47	998.33	27.10	-3.66	0.380
71.00	-10.86	-14.76	0.00	-814.36	0.00	814.36	1,899.19	949.60	1,998.99	987.22	27.83	-3.70	0.370
72.00	-10.62	-14.64	0.00	-799.60	0.00	799.60	1,888.01	944.00	1,975.37	975.56	28.61	-3.75	0.366
73.00	-10.38	-14.52	0.00	-784.95	0.00	784.95	1,876.82	938.41	1,951.89	963.97	29.40	-3.80	0.362
73.55	-10.25	-14.45	0.00	-776.92	0.00	776.92	1,431.27	715.64	1,520.69	751.01	29.84	-3.82	0.419
74.00	-10.18	-14.40	0.00	-770.47	0.00	770.47	1,429.00	714.50	1,514.27	747.84	30.20	-3.84	0.416
75.00	-10.02	-14.28	0.00	-756.07	0.00	756.07	1,423.89	711.94	1,499.92	740.75	31.01	-3.89	0.410
76.00	-9.86	-14.16	0.00	-741.79	0.00	741.79	1,418.73	709.37	1,485.59	733.68	31.83	-3.94	0.404
77.00	-9.70	-14.04	0.00	-727.63	0.00	727.63	1,413.54	706.77	1,471.28	726.61	32.66	-3.99	0.398
78.00	-9.54	-13.93	0.00	-713.58	0.00	713.58	1,408.31	704.16	1,457.00	719.56	33.51	-4.04	0.392
79.00	-9.39	-13.81	0.00	-699.66	0.00	699.66	1,403.04	701.52	1,442.75	712.52	34.36	-4.09	0.387
80.00	-9.23	-13.69	0.00	-685.85	0.00	685.85	1,397.73	698.87	1,428.52	705.49	35.22	-4.14	0.381
81.00	-9.07	-13.57	0.00	-672.16	0.00	672.16	1,392.39	696.19	1,414.32	698.48	36.09	-4.18	0.375
82.00	-8.92	-13.45	0.00	-658.59	0.00	658.59	1,387.00	693.50	1,400.15	691.48	36.97	-4.23	0.369
83.00	-8.76	-13.33	0.00	-645.13	0.00	645.13	1,381.58	690.79	1,386.01	684.50	37.86	-4.28	0.363
84.00	-8.61	-13.22	0.00	-631.80	0.00	631.80	1,376.12	688.06	1,371.90	677.53	38.76	-4.33	0.357
85.00	-8.46	-13.10	0.00	-618.58	0.00	618.58	1,370.62	685.31	1,357.82	670.57	39.67	-4.37	0.351
85.00	-8.46	-13.10	0.00	-618.58	0.00	618.58	1,370.62	685.31	1,357.82	670.57	39.67	-4.37	0.929
86.00	-8.36	-12.99	0.00	-605.49	0.00	605.49	1,365.08	682.54	1,343.77	663.64	40.59	-4.42	0.919
87.00	-8.26	-12.89	0.00	-592.50	0.00	592.50	1,359.50	679.75	1,329.75	656.71	41.53	-4.54	0.909
88.00	-8.16	-12.78	0.00	-579.61	0.00	579.61	1,353.89	676.94	1,315.76	649.80	42.49	-4.66	0.898
89.00	-8.06	-12.68	0.00	-566.83	0.00	566.83	1,348.24	674.12	1,301.81	642.91	43.48	-4.78	0.888
90.00	-7.96	-12.58	0.00	-554.15	0.00	554.15	1,342.54	671.27	1,287.89	636.04	44.50	-4.90	0.878
91.00	-7.86	-12.47	0.00	-541.57	0.00	541.57	1,336.81	668.41	1,274.00	629.18	45.53	-5.02	0.867
92.00	-7.76	-12.41	0.00	-529.10	0.00	529.10	1,331.04	665.52	1,260.15	622.34	46.60	-5.14	0.856
93.00	-7.66	-12.34	0.00	-516.69	0.00	516.69	1,325.23	662.62	1,246.34	615.52	47.69	-5.26	0.846
94.00	-7.56	-12.28	0.00	-504.35	0.00	504.35	1,319.39	659.69	1,232.57	608.72	48.80	-5.38	0.835
95.00	-7.46	-12.21	0.00	-492.07	0.00	492.07	1,313.50	656.75	1,218.83	601.93	49.94	-5.50	0.824
96.00	-7.36	-12.14	0.00	-479.86	0.00	479.86	1,307.58	653.79	1,205.13	595.17	51.10	-5.61	0.812
97.00	-7.26	-12.08	0.00	-467.72	0.00	467.72	1,301.62	650.81	1,191.47	588.42	52.29	-5.73	0.801
98.00	-7.17	-12.01	0.00	-455.64	0.00	455.64	1,295.62	647.81	1,177.85	581.69	53.50	-5.85	0.789
99.00	-7.07	-11.94	0.00	-443.63	0.00	443.63	1,289.58	644.79	1,164.26	574.99	54.73	-5.96	0.777
100.00	-6.98	-11.88	0.00	-431.69	0.00	431.69	1,283.50	641.75	1,150.72	568.30	55.99	-6.08	0.765
101.00	-6.88	-11.81	0.00	-419.81	0.00	419.81	1,277.38	638.69	1,137.23	561.63	57.27	-6.19	0.753
102.00	-6.79	-11.74	0.00	-408.00	0.00	408.00	1,271.23	635.61	1,123.77	554.99	58.58	-6.30	0.741

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



8/28/2014 1:41:55 PM

Page: 37

© 2007 - 2014 by ATC IP LLC. All rights reserved.

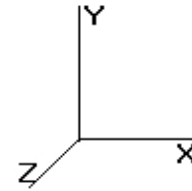
<b>Load Case:</b> 0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)	36 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

103.00	-6.70	-11.68	0.00	-396.26	0.00	396.26	1,265.03	632.52	1,110.36	548.37	59.91	-6.42	0.728
104.00	-6.61	-11.61	0.00	-384.58	0.00	384.58	1,257.45	628.72	1,095.81	541.18	61.26	-6.53	0.716
105.00	-6.51	-11.54	0.00	-372.98	0.00	372.98	1,248.50	624.25	1,080.18	533.46	62.64	-6.64	0.705
106.00	-6.42	-11.47	0.00	-361.43	0.00	361.43	1,239.55	619.78	1,064.67	525.80	64.04	-6.75	0.693
107.00	-6.33	-11.41	0.00	-349.96	0.00	349.96	1,230.60	615.30	1,049.26	518.19	65.46	-6.85	0.681
108.00	-6.25	-11.34	0.00	-338.55	0.00	338.55	1,221.66	610.83	1,033.97	510.64	66.90	-6.96	0.668
109.00	-6.16	-11.27	0.00	-327.22	0.00	327.22	1,212.71	606.35	1,018.79	503.14	68.37	-7.07	0.656
110.00	-6.08	-11.20	0.00	-315.94	0.00	315.94	1,203.76	601.88	1,003.72	495.70	69.86	-7.17	0.643
110.05	-6.07	-11.20	0.00	-315.35	0.00	315.35	1,203.28	601.64	1,002.92	495.30	69.94	-7.18	0.642
110.05	-6.07	-11.20	0.00	-315.35	0.00	315.35	829.60	414.80	695.72	343.59	69.94	-7.18	0.926
111.00	-5.99	-11.14	0.00	-304.74	0.00	304.74	826.22	413.11	687.98	339.77	71.37	-7.27	0.905
112.00	-5.92	-11.08	0.00	-293.60	0.00	293.60	822.61	411.30	679.82	335.74	72.90	-7.41	0.882
113.00	-5.84	-11.01	0.00	-282.53	0.00	282.53	818.96	409.48	671.67	331.71	74.46	-7.54	0.860
114.00	-5.76	-10.95	0.00	-271.51	0.00	271.51	815.28	407.64	663.53	327.69	76.05	-7.67	0.836
115.00	-5.68	-10.89	0.00	-260.56	0.00	260.56	811.55	405.78	655.41	323.68	77.67	-7.80	0.813
116.00	-5.61	-10.82	0.00	-249.67	0.00	249.67	807.79	403.90	647.30	319.68	79.31	-7.92	0.789
117.00	-5.54	-10.76	0.00	-238.85	0.00	238.85	803.99	402.00	639.21	315.68	80.98	-8.05	0.764
118.00	-5.36	-9.48	0.00	-228.09	0.00	228.09	800.15	400.08	631.14	311.70	82.67	-8.17	0.739
119.00	-5.29	-9.41	0.00	-218.61	0.00	218.61	796.28	398.14	623.08	307.72	84.39	-8.28	0.718
120.00	-5.22	-9.35	0.00	-209.20	0.00	209.20	792.36	396.18	615.05	303.75	86.13	-8.40	0.696
121.00	-5.16	-9.29	0.00	-199.85	0.00	199.85	788.40	394.20	607.03	299.79	87.89	-8.51	0.674
122.00	-5.10	-9.22	0.00	-190.57	0.00	190.57	784.41	392.21	599.04	295.84	89.68	-8.62	0.651
123.00	-5.04	-9.16	0.00	-181.34	0.00	181.34	780.38	390.19	591.06	291.90	91.49	-8.73	0.628
124.00	-4.97	-9.10	0.00	-172.18	0.00	172.18	776.31	388.15	583.11	287.98	93.32	-8.83	0.605
125.00	-4.91	-9.03	0.00	-163.09	0.00	163.09	772.20	386.10	575.18	284.06	95.18	-8.94	0.581
126.00	-4.85	-8.97	0.00	-154.06	0.00	154.06	768.05	384.03	567.27	280.15	97.05	-9.03	0.557
127.00	-4.80	-8.91	0.00	-145.09	0.00	145.09	763.87	381.93	559.39	276.26	98.95	-9.13	0.532
128.00	-4.16	-7.67	0.00	-136.18	0.00	136.18	759.64	379.82	551.53	272.38	100.86	-9.22	0.506
129.00	-4.11	-7.60	0.00	-128.51	0.00	128.51	755.38	377.69	543.69	268.51	102.80	-9.31	0.484
130.00	-4.06	-7.54	0.00	-120.91	0.00	120.91	751.08	375.54	535.89	264.65	104.75	-9.40	0.463
131.00	-4.01	-7.48	0.00	-113.37	0.00	113.37	746.74	373.37	528.10	260.81	106.72	-9.48	0.440
132.00	-3.97	-7.41	0.00	-105.89	0.00	105.89	742.36	371.18	520.35	256.98	108.70	-9.56	0.418
133.00	-3.92	-7.35	0.00	-98.48	0.00	98.48	737.94	368.97	512.62	253.17	110.70	-9.64	0.395
134.00	-3.88	-7.29	0.00	-91.12	0.00	91.12	733.49	366.74	504.93	249.37	112.72	-9.71	0.371
135.00	-3.83	-7.23	0.00	-83.84	0.00	83.84	728.99	364.50	497.26	245.58	114.75	-9.78	0.347
136.00	-3.79	-7.16	0.00	-76.61	0.00	76.61	724.46	362.23	489.62	241.81	116.80	-9.84	0.322
137.00	-3.75	-7.10	0.00	-69.45	0.00	69.45	719.89	359.95	482.02	238.05	118.86	-9.90	0.297
138.00	-2.32	-4.80	0.00	-62.35	0.00	62.35	715.28	357.64	474.45	234.31	120.93	-9.96	0.270
139.00	-2.29	-4.73	0.00	-57.55	0.00	57.55	710.63	355.32	466.90	230.59	123.01	-10.01	0.253
140.00	-2.25	-4.67	0.00	-52.82	0.00	52.82	704.27	352.14	458.31	226.34	125.10	-10.06	0.237
141.00	-2.22	-4.61	0.00	-48.15	0.00	48.15	697.56	348.78	449.56	222.02	127.20	-10.11	0.220
142.00	-2.18	-4.55	0.00	-43.54	0.00	43.54	690.85	345.43	440.90	217.75	129.31	-10.15	0.203
143.00	-2.15	-4.48	0.00	-38.99	0.00	38.99	684.14	342.07	432.33	213.51	131.43	-10.20	0.186
144.00	-2.12	-4.42	0.00	-34.51	0.00	34.51	677.43	338.71	423.84	209.32	133.56	-10.23	0.168
145.00	-2.09	-4.36	0.00	-30.09	0.00	30.09	670.72	335.36	415.43	205.17	135.70	-10.27	0.150
146.00	-2.05	-4.30	0.00	-25.73	0.00	25.73	664.01	332.00	407.11	201.06	137.84	-10.30	0.131
147.00	-2.02	-4.24	0.00	-21.43	0.00	21.43	657.30	328.65	398.87	196.99	139.99	-10.32	0.112
148.00	-1.99	-4.18	0.00	-17.19	0.00	17.19	650.59	325.29	390.72	192.96	142.14	-10.35	0.092
149.00	-1.96	-4.12	0.00	-13.01	0.00	13.01	643.87	321.94	382.65	188.98	144.30	-10.36	0.072
150.00	0.00	-3.70	0.00	-8.89	0.00	8.89	637.16	318.58	374.66	185.03	146.46	-10.38	0.048



Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

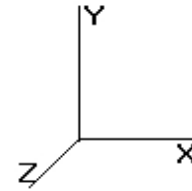
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	36 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
1.00		1.00	0.70	4.256	4.682	0.000	1.200	1.410	1.00	3.334	4.00	18.7	68.0	310.1
2.00		1.00	0.70	4.256	4.682	0.000	1.200	1.511	1.00	3.338	4.01	18.8	72.8	314.1
3.00		1.00	0.70	4.256	4.682	0.000	1.200	1.574	1.00	3.336	4.00	18.7	75.6	316.2
4.00		1.00	0.70	4.256	4.682	0.000	1.200	1.620	1.00	3.330	4.00	18.7	77.6	317.5
5.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.656	1.00	3.323	3.99	18.7	79.1	318.2
6.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.687	1.00	3.315	3.98	18.6	80.3	318.7
7.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.713	1.00	3.307	3.97	18.6	81.3	318.9
8.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.736	1.00	3.298	3.96	18.5	82.1	318.9
9.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.756	1.00	3.288	3.95	18.5	82.7	318.9
10.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.775	1.00	3.278	3.93	18.4	83.3	318.7
11.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.792	1.00	3.268	3.92	18.4	83.8	318.4
12.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.808	1.00	3.257	3.91	18.3	84.2	318.1
13.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.822	1.00	3.247	3.90	18.2	84.6	317.7
14.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.836	1.00	3.236	3.88	18.2	84.9	317.3
15.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.848	1.00	3.225	3.87	18.1	85.1	316.8
16.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.860	1.00	3.214	3.86	18.1	85.3	316.3
17.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.872	1.00	3.203	3.84	18.0	85.5	315.7
18.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.882	1.00	3.192	3.83	17.9	85.7	315.1
19.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.893	1.00	3.181	3.82	17.9	85.8	314.5
20.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.902	1.00	3.169	3.80	17.8	85.9	313.8
21.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.912	1.00	3.158	3.79	17.7	85.9	313.2
22.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.921	1.00	3.146	3.78	17.7	86.0	312.5
23.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.929	1.00	3.135	3.76	17.6	86.0	311.7
24.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.937	1.00	3.123	3.75	17.5	86.0	311.0
25.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.945	1.00	3.111	3.73	17.5	86.0	310.3
26.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.953	1.00	3.100	3.72	17.4	86.0	309.5
27.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.960	1.00	3.088	3.71	17.3	86.0	308.7
28.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.967	1.00	3.076	3.69	17.3	85.9	307.9
29.00		1.00	0.70	4.256	4.682	0.000	1.200	* 1.974	1.00	3.064	3.68	17.2	85.8	307.1
30.00		1.00	0.70	4.260	4.686	0.000	1.200	* 1.981	1.00	3.052	3.66	17.2	85.8	306.3
31.00		1.00	0.70	4.300	4.730	0.000	1.200	* 1.988	1.00	3.040	3.65	17.3	85.7	305.4
31.50	Bot - Section 2	1.00	0.71	4.320	4.751	0.000	1.200	* 1.991	0.50	1.526	1.83	8.7	43.1	153.4
32.00		1.00	0.71	4.339	4.773	0.000	1.200	* 1.994	0.50	1.529	1.84	8.8	43.3	216.3
33.00		1.00	0.72	4.377	4.815	0.000	1.200	* 2.000	1.00	3.070	3.68	17.7	87.1	434.4
34.00	Appertunance(s)	1.00	0.72	4.415	4.856	0.000	1.200	* 2.006	1.00	3.058	3.67	17.8	87.0	432.9
35.00	Appertunance(s)	1.00	0.73	4.451	4.897	0.000	1.200	* 2.012	1.00	3.046	3.66	17.9	86.8	431.5
35.67	Top - Section 1	1.00	0.73	4.476	4.923	0.000	1.200	* 2.016	0.67	2.034	2.44	12.0	58.1	288.2
36.00		1.00	0.73	4.487	4.936	0.000	1.200	* 2.017	0.33	1.000	1.20	5.9	28.6	92.6
37.00		1.00	0.74	4.523	4.975	0.000	1.200	* 2.023	1.00	3.022	3.63	18.0	86.5	279.9
38.00		1.00	0.75	4.557	5.013	0.000	1.200	* 2.028	1.00	3.010	3.61	18.1	86.4	279.2
39.00		1.00	0.75	4.591	5.050	0.000	1.200	* 2.034	1.00	2.998	3.60	18.2	86.2	278.4
40.00		1.00	0.76	4.625	5.087	0.000	1.200	* 2.039	1.00	2.986	3.58	18.2	86.1	277.6
41.00		1.00	0.76	4.657	5.123	0.000	1.200	* 2.044	1.00	2.973	3.57	18.3	85.9	276.8
42.00		1.00	0.77	4.689	5.158	0.000	1.200	* 2.049	1.00	2.961	3.55	18.3	85.7	276.0
43.00		1.00	0.77	4.721	5.193	0.000	1.200	* 2.054	1.00	2.949	3.54	18.4	85.5	275.2
44.00		1.00	0.78	4.752	5.227	0.000	1.200	* 2.058	1.00	2.937	3.52	18.4	85.3	274.4
45.00		1.00	0.78	4.783	5.261	0.000	1.200	* 2.063	1.00	2.925	3.51	18.5	85.1	273.6
46.00		1.00	0.79	4.813	5.294	0.000	1.200	* 2.068	1.00	2.912	3.49	18.5	84.9	272.7
47.00		1.00	0.79	4.843	5.327	0.000	1.200	* 2.072	1.00	2.900	3.48	18.5	84.7	271.9
48.00		1.00	0.80	4.872	5.359	0.000	1.200	* 2.076	1.00	2.888	3.47	18.6	84.5	271.1

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

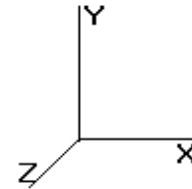


<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	36 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

49.00		1.00	0.80	4.901	5.391	0.000	1.200	*	2.081	1.00	2.876	3.45	18.6	84.3	270.2
50.00		1.00	0.81	4.929	5.422	0.000	1.200	*	2.085	1.00	2.863	3.44	18.6	84.1	269.4
51.00		1.00	0.81	4.957	5.453	0.000	1.200	*	2.089	1.00	2.851	3.42	18.7	83.8	268.5
52.00		1.00	0.82	4.984	5.483	0.000	1.200	*	2.093	1.00	2.839	3.41	18.7	83.6	267.7
53.00		1.00	0.82	5.012	5.513	0.000	1.200	*	2.097	1.00	2.826	3.39	18.7	83.3	266.8
54.00		1.00	0.82	5.039	5.542	0.000	1.200	*	2.101	1.00	2.814	3.38	18.7	83.1	266.0
55.00		1.00	0.83	5.065	5.572	0.000	1.200	*	2.105	1.00	2.802	3.36	18.7	82.9	265.1
56.00		1.00	0.83	5.091	5.600	0.000	1.200	*	2.109	1.00	2.789	3.35	18.7	82.6	264.2
57.00		1.00	0.84	5.117	5.629	0.000	1.200	*	2.112	1.00	2.777	3.33	18.8	82.3	263.3
58.00		1.00	0.84	5.142	5.657	0.000	1.200	*	2.116	1.00	2.764	3.32	18.8	82.1	262.5
59.00		1.00	0.85	5.168	5.684	0.000	1.200	*	2.120	1.00	2.752	3.30	18.8	81.8	261.6
60.00		1.00	0.85	5.193	5.712	0.000	1.200	*	2.123	1.00	2.740	3.29	18.8	81.6	260.7
61.00		1.00	0.85	5.217	5.739	0.000	1.200	*	2.127	1.00	2.727	3.27	18.8	81.3	259.8
62.00		1.00	0.86	5.241	5.766	0.000	1.200	*	2.130	1.00	2.715	3.26	18.8	81.0	258.9
63.00		1.00	0.86	5.265	5.792	0.000	1.200	*	2.134	1.00	2.702	3.24	18.8	80.7	258.0
64.00		1.00	0.87	5.289	5.818	0.000	1.200	*	2.137	1.00	2.690	3.23	18.8	80.4	257.1
65.00		1.00	0.87	5.313	5.844	0.000	1.200	*	2.140	1.00	2.677	3.21	18.8	80.2	256.2
66.00		1.00	0.87	5.336	5.869	0.000	1.200	*	2.144	1.00	2.665	3.20	18.8	79.9	255.3
67.00		1.00	0.88	5.359	5.895	0.000	1.200	*	2.147	1.00	2.652	3.18	18.8	79.6	254.4
68.00		1.00	0.88	5.382	5.920	0.000	1.200	*	2.150	1.00	2.640	3.17	18.8	79.3	253.5
69.00		1.00	0.88	5.404	5.944	0.000	1.200	*	2.153	1.00	2.627	3.15	18.7	79.0	252.6
70.00		1.00	0.89	5.426	5.969	0.000	1.200	*	2.156	1.00	2.615	3.14	18.7	78.7	251.6
70.05	Bot - Section 3	1.00	0.89	5.427	5.970	0.000	1.200	*	2.156	0.05	0.139	0.17	1.0	4.2	13.4
71.00		1.00	0.89	5.448	5.993	0.000	1.200	*	2.159	0.95	2.504	3.00	18.0	75.5	320.3
72.00		1.00	0.90	5.470	6.017	0.000	1.200	*	2.162	1.00	2.633	3.16	19.0	79.5	337.0
73.00		1.00	0.90	5.492	6.041	0.000	1.200	*	2.165	1.00	2.621	3.14	19.0	79.2	335.5
73.55	Top - Section 2	1.00	0.90	5.504	6.054	0.000	1.200	*	2.167	0.55	1.445	1.73	10.5	43.7	185.1
74.00		1.00	0.90	5.513	6.064	0.000	1.200	*	2.168	0.45	1.163	1.40	8.5	35.2	102.9
75.00		1.00	0.91	5.534	6.088	0.000	1.200	*	2.171	1.00	2.595	3.11	19.0	78.6	229.6
76.00		1.00	0.91	5.555	6.111	0.000	1.200	*	2.174	1.00	2.583	3.10	18.9	78.2	228.8
77.00		1.00	0.91	5.576	6.134	0.000	1.200	*	2.177	1.00	2.570	3.08	18.9	77.9	228.0
78.00		1.00	0.92	5.597	6.156	0.000	1.200	*	2.180	1.00	2.558	3.07	18.9	77.6	227.2
79.00		1.00	0.92	5.617	6.179	0.000	1.200	*	2.182	1.00	2.545	3.05	18.9	77.3	226.4
80.00		1.00	0.92	5.637	6.201	0.000	1.200	*	2.185	1.00	2.533	3.04	18.8	77.0	225.6
81.00		1.00	0.93	5.657	6.223	0.000	1.200	*	2.188	1.00	2.520	3.02	18.8	76.6	224.8
82.00		1.00	0.93	5.677	6.245	0.000	1.200	*	2.191	1.00	2.508	3.01	18.8	76.3	223.9
83.00		1.00	0.93	5.697	6.267	0.000	1.200	*	2.193	1.00	2.495	2.99	18.8	76.0	223.1
84.00		1.00	0.94	5.716	6.288	0.000	1.200	*	2.196	1.00	2.483	2.98	18.7	75.7	222.3
85.00	Reinf. Top	1.00	0.94	5.736	6.309	0.000	1.200	*	2.198	1.00	2.470	2.96	18.7	75.3	221.5
86.00		1.00	0.94	5.755	6.331	0.000	1.200	*	2.201	1.00	2.457	2.95	18.7	75.0	153.8
87.00		1.00	0.95	5.774	6.351	0.000	1.200	*	2.204	1.00	2.445	2.93	18.6	74.7	153.0
88.00		1.00	0.95	5.793	6.372	0.000	1.200	*	2.206	1.00	2.432	2.92	18.6	74.3	152.2
89.00		1.00	0.95	5.812	6.393	0.000	1.200	*	2.209	1.00	2.420	2.90	18.6	74.0	151.3
90.00		1.00	0.95	5.830	6.413	0.000	1.200	*	2.211	1.00	2.407	2.89	18.5	73.6	150.5
91.00		1.00	0.96	5.849	6.434	0.000	1.200	*	2.214	1.00	2.394	2.87	18.5	73.3	149.6
92.00		1.00	0.96	5.867	6.454	0.000	1.200	*	2.216	1.00	2.382	2.86	18.4	72.9	148.8
93.00		1.00	0.96	5.885	6.474	0.000	1.200	*	2.218	1.00	2.369	2.84	18.4	72.6	148.0
94.00		1.00	0.97	5.903	6.493	0.000	1.200	*	2.221	1.00	2.357	2.83	18.4	72.2	147.1
95.00		1.00	0.97	5.921	6.513	0.000	1.200	*	2.223	1.00	2.344	2.81	18.3	71.9	146.3
96.00		1.00	0.97	5.939	6.533	0.000	1.200	*	2.225	1.00	2.331	2.80	18.3	71.5	145.4
97.00		1.00	0.98	5.956	6.552	0.000	1.200	*	2.228	1.00	2.319	2.78	18.2	71.2	144.6
98.00		1.00	0.98	5.974	6.571	0.000	1.200	*	2.230	1.00	2.306	2.77	18.2	70.8	143.7
99.00		1.00	0.98	5.991	6.590	0.000	1.200	*	2.232	1.00	2.293	2.75	18.1	70.5	142.9
100.00		1.00	0.98	6.008	6.609	0.000	1.200	*	2.234	1.00	2.281	2.74	18.1	70.1	142.0
101.00		1.00	0.99	6.026	6.628	0.000	1.200	*	2.237	1.00	2.268	2.72	18.0	69.8	141.1
102.00		1.00	0.99	6.043	6.647	0.000	1.200	*	2.239	1.00	2.256	2.71	18.0	69.4	140.3
103.00		1.00	0.99	6.059	6.665	0.000	1.200	*	2.241	1.00	2.243	2.69	17.9	69.0	139.4

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	36 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

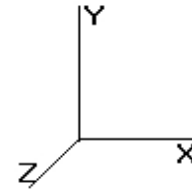
104.0	1.00	0.99	6.076	6.684	0.000	1.200	2.243	1.00	2.230	2.68	17.9	68.7	138.6	
105.0	1.00	1.00	6.093	6.702	0.000	1.200	2.245	1.00	2.218	2.66	17.8	68.3	137.7	
106.0	1.00	1.00	6.109	6.720	0.000	1.200	2.248	1.00	2.205	2.65	17.8	67.9	136.8	
107.0	1.00	1.00	6.126	6.738	0.000	1.200	2.250	1.00	2.192	2.63	17.7	67.6	136.0	
108.0	1.00	1.01	6.142	6.756	0.000	1.200	2.252	1.00	2.180	2.62	17.7	67.2	135.1	
109.0	1.00	1.01	6.158	6.774	0.000	1.200	2.254	1.00	2.167	2.60	17.6	66.8	134.2	
110.0	1.00	1.01	6.174	6.792	0.000	1.200	2.256	1.00	2.154	2.59	17.6	66.4	133.4	
110.0	Top - Section 3	1.00	1.01	6.175	6.793	0.000	1.200	2.256	0.05	0.115	0.14	0.9	3.5	7.1
111.0		1.00	1.01	6.190	6.809	0.000	1.200	2.258	0.95	2.027	2.43	16.6	62.5	109.8
112.0		1.00	1.02	6.206	6.827	0.000	1.200	2.260	1.00	2.129	2.55	17.4	65.7	115.3
113.0		1.00	1.02	6.222	6.844	0.000	1.200	2.262	1.00	2.116	2.54	17.4	65.3	114.5
114.0		1.00	1.02	6.238	6.861	0.000	1.200	2.264	1.00	2.104	2.52	17.3	64.9	113.8
115.0		1.00	1.02	6.253	6.879	0.000	1.200	2.266	1.00	2.091	2.51	17.3	64.5	113.0
116.0		1.00	1.03	6.269	6.896	0.000	1.200	2.268	1.00	2.078	2.49	17.2	64.2	112.3
117.0		1.00	1.03	6.284	6.913	0.000	1.200	2.270	1.00	2.066	2.48	17.1	63.8	111.5
118.0	Appertunance(s)	1.00	1.03	6.299	6.929	0.000	1.200	2.272	1.00	2.053	2.46	17.1	63.4	110.8
119.0		1.00	1.03	6.315	6.946	0.000	1.200	2.274	1.00	2.040	2.45	17.0	63.0	110.0
120.0		1.00	1.04	6.330	6.963	0.000	1.200	2.276	1.00	2.027	2.43	16.9	62.6	109.3
121.0		1.00	1.04	6.345	6.979	0.000	1.200	* 2.277	1.00	2.015	2.42	16.9	62.2	108.5
122.0		1.00	1.04	6.360	6.996	0.000	1.200	* 2.279	1.00	2.002	2.40	16.8	61.8	107.7
123.0		1.00	1.04	6.375	7.012	0.000	1.200	* 2.281	1.00	1.989	2.39	16.7	61.5	107.0
124.0		1.00	1.05	6.389	7.028	0.000	1.200	* 2.283	1.00	1.977	2.37	16.7	61.1	106.2
125.0		1.00	1.05	6.404	7.044	0.000	1.200	* 2.285	1.00	1.964	2.36	16.6	60.7	105.4
126.0		1.00	1.05	6.419	7.060	0.000	1.200	* 2.287	1.00	1.951	2.34	16.5	60.3	104.7
127.0		1.00	1.05	6.433	7.076	0.000	1.200	* 2.289	1.00	1.939	2.33	16.5	59.9	103.9
128.0	Appertunance(s)	1.00	1.06	6.448	7.092	0.000	1.200	* 2.290	1.00	1.926	2.31	16.4	59.5	103.1
129.0		1.00	1.06	6.462	7.108	0.000	1.200	2.292	1.00	1.913	2.30	16.3	59.1	102.4
130.0		1.00	1.06	6.476	7.124	0.000	1.200	2.294	1.00	1.900	2.28	16.2	58.7	101.6
131.0		1.00	1.06	6.490	7.139	0.000	1.200	2.296	1.00	1.888	2.27	16.2	58.3	100.8
132.0		1.00	1.07	6.504	7.155	0.000	1.200	2.297	1.00	1.875	2.25	16.1	57.9	100.1
133.0		1.00	1.07	6.519	7.170	0.000	1.200	2.299	1.00	1.862	2.23	16.0	57.5	99.3
134.0		1.00	1.07	6.532	7.186	0.000	1.200	2.301	1.00	1.850	2.22	15.9	57.1	98.5
135.0		1.00	1.07	6.546	7.201	0.000	1.200	2.303	1.00	1.837	2.20	15.9	56.7	97.7
136.0		1.00	1.07	6.560	7.216	0.000	1.200	2.304	1.00	1.824	2.19	15.8	56.3	97.0
137.0		1.00	1.08	6.574	7.231	0.000	1.200	2.306	1.00	1.811	2.17	15.7	55.9	96.2
138.0	Appertunance(s)	1.00	1.08	6.588	7.246	0.000	1.200	2.308	1.00	1.799	2.16	15.6	55.5	95.4
139.0		1.00	1.08	6.601	7.261	0.000	1.200	2.309	1.00	1.786	2.14	15.6	55.1	94.6
140.0		1.00	1.08	6.615	7.276	0.000	1.200	2.311	1.00	1.773	2.13	15.5	54.7	93.9
141.0		1.00	1.09	6.628	7.291	0.000	1.200	2.313	1.00	1.760	2.11	15.4	54.3	93.1
142.0		1.00	1.09	6.642	7.306	0.000	1.200	2.314	1.00	1.748	2.10	15.3	53.8	92.3
143.0		1.00	1.09	6.655	7.320	0.000	1.200	2.316	1.00	1.735	2.08	15.2	53.4	91.5
144.0		1.00	1.09	6.668	7.335	0.000	1.200	2.317	1.00	1.722	2.07	15.2	53.0	90.7
145.0		1.00	1.09	6.681	7.350	0.000	1.200	2.319	1.00	1.709	2.05	15.1	52.6	90.0
146.0		1.00	1.10	6.695	7.364	0.000	1.200	2.321	1.00	1.697	2.04	15.0	52.2	89.2
147.0		1.00	1.10	6.708	7.378	0.000	1.200	2.322	1.00	1.684	2.02	14.9	51.8	88.4
148.0		1.00	1.10	6.721	7.393	0.000	1.200	2.324	1.00	1.671	2.01	14.8	51.4	87.6
149.0		1.00	1.10	6.734	7.407	0.000	1.200	2.325	1.00	1.658	1.99	14.7	51.0	86.8
150.0	Appertunance(s)	1.00	1.11	6.746	7.421	0.000	1.200	2.327	1.00	1.646	1.97	14.7	50.5	86.0

\* = Cf Adjusted By Linear Load Ra Effect

Totals: 150.00 2,663.6 11,105.7 32,251.1

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



8/28/2014 1:41:56 PM  
 Page: 41

© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations

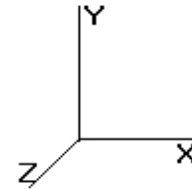
Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
 Wind Load Factor : 1.00

**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
34.00	GPS	1	4.415	4.856	1.00	1.00	1.82	0.000	0.000	8.83	0.00	0.00	37.46
34.00	Stand-off	1	4.415	4.856	1.00	1.00	3.60	0.000	0.000	17.51	0.00	0.00	75.12
35.00	Stand-off	1	4.451	4.897	1.00	1.00	3.61	0.000	0.000	17.67	0.00	0.00	150.24
35.00	GPS	1	4.451	4.897	1.00	1.00	1.01	0.000	0.000	4.97	0.00	0.00	58.79
118.0	Argus LLPX310R	3	6.299	6.929	0.63	0.80	8.29	0.000	0.000	57.48	0.00	0.00	554.96
118.0	Clearwire Mount	1	6.299	6.929	1.00	1.00	17.77	0.000	0.000	123.13	0.00	0.00	81.62
118.0	DragonWave A-ANT-	1	6.299	6.929	1.00	1.00	2.60	0.000	0.000	18.00	0.00	0.00	53.99
118.0	DragonWave A-ANT-	2	6.299	6.929	1.00	1.00	12.70	0.000	0.000	88.03	0.00	0.00	59.74
118.0	DragonWave Horizon	3	6.299	6.929	0.50	0.80	1.31	0.000	0.000	9.11	0.00	0.00	106.95
118.0	Generic 12" x 12" Ju	1	6.299	6.929	0.50	1.00	1.07	0.000	0.000	7.44	0.00	0.00	76.33
118.0	NextNet BTS-2500	3	6.299	6.929	0.50	1.00	3.84	0.000	0.000	26.60	0.00	0.00	369.27
128.0	Ericsson AIR 21, 1.3	3	6.448	7.092	0.70	0.80	12.63	0.000	0.000	89.61	0.00	0.00	1,035.76
128.0	Ericsson AIR 21, 1.3	3	6.448	7.092	0.70	0.80	12.71	0.000	0.000	90.15	0.00	0.00	1,031.62
128.0	Round Sector Frame	1	6.448	7.092	0.75	0.75	14.13	0.000	0.000	100.20	0.00	0.00	728.72
138.0	Alcatel-Lucent 4X40W	6	6.588	7.246	0.50	0.80	7.76	0.000	0.000	56.26	0.00	0.00	1,238.92
138.0	Alcatel-Lucent 800 M	3	6.588	7.246	0.50	0.80	4.06	0.000	0.000	29.41	0.00	0.00	669.16
138.0	RFS APXV9ERR18-C-	2	6.588	7.246	0.71	0.80	11.10	0.000	0.000	80.41	0.00	0.00	733.95
138.0	RFS APXVSPP18-C-	1	6.588	7.246	0.69	0.80	5.39	0.000	0.000	39.07	0.00	0.00	349.08
138.0	RFS IBC1900BB-1	3	6.588	7.246	0.50	0.80	1.87	0.000	0.000	13.55	0.00	0.00	238.07
138.0	RFS IBC1900HG-2A	3	6.588	7.246	0.50	0.80	1.87	0.000	0.000	13.55	0.00	0.00	238.07
138.0	T-Arms	3	6.588	7.246	0.67	0.75	16.03	0.000	0.000	116.13	0.00	0.00	1,538.75
138.0	RFS APXVTM14-C-I20	3	6.588	7.246	0.66	0.80	12.42	0.000	0.000	89.99	0.00	0.00	868.59
138.0	Alcatel-Lucent TD-RR	3	6.588	7.246	0.50	0.80	3.14	0.000	0.000	22.73	0.00	0.00	530.31
150.0	6' Omni	1	6.810	7.491	1.00	1.00	3.40	0.000	5.000	25.46	0.00	127.28	57.58
150.0	ADC DD1900	12	6.810	7.491	0.50	0.75	9.05	0.000	5.000	67.80	0.00	338.98	231.71
150.0	CSS DUO4-8670	6	6.810	7.491	0.70	0.75	22.82	0.000	5.000	170.98	0.00	854.90	1,717.88
150.0	Ericsson RRUS 11	6	6.759	7.435	0.50	0.75	7.67	0.000	1.000	57.01	0.00	57.01	1,092.01
150.0	Kathrein 860 10025	6	6.810	7.491	0.50	1.00	1.45	0.000	5.000	10.87	0.00	54.33	113.38
150.0	KMW AM-X-CD-16-65-	3	6.810	7.491	0.79	0.75	17.39	0.000	5.000	130.28	0.00	651.40	981.40
150.0	Flat Platform w/ Han	1	6.746	7.421	1.00	1.00	63.11	0.000	0.000	468.36	0.00	0.00	3,848.78
150.0	Raycap DC6-48-60-18-	1	6.759	7.435	1.00	1.00	2.09	0.000	1.000	15.56	0.00	15.56	102.89
										2,066.12			18,971.08

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations

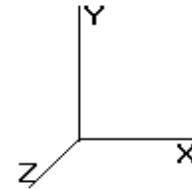
Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
 Wind Load Factor : 1.00

**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)
5.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.44	0.53	4.256	0.219	0.000	2.48	26.52
5.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.78	0.93	4.256	0.219	0.000	4.37	19.83
5.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.219	0.000	0.00	4.38
5.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.219	0.000	0.00	4.38
6.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	4.256	0.220	0.000	2.51	26.92
6.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.78	0.94	4.256	0.220	0.000	4.40	20.22
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.220	0.000	0.00	4.51
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.220	0.000	0.00	4.51
7.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.54	4.256	0.221	0.000	2.53	27.28
7.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.79	0.94	4.256	0.221	0.000	4.42	20.55
7.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.221	0.000	0.00	4.64
7.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.221	0.000	0.00	4.64
8.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.45	0.55	4.256	0.222	0.000	2.55	27.59
8.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.79	0.95	4.256	0.222	0.000	4.44	20.84
8.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.222	0.000	0.00	4.74
8.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.222	0.000	0.00	4.74
9.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.46	0.55	4.256	0.223	0.000	2.57	27.86
9.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.79	0.95	4.256	0.223	0.000	4.46	21.10
9.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.223	0.000	0.00	4.84
9.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.223	0.000	0.00	4.84
10.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.46	0.55	4.256	0.224	0.000	2.59	28.12
10.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.80	0.96	4.256	0.224	0.000	4.48	21.34
10.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.224	0.000	0.00	4.93
10.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.224	0.000	0.00	4.93
11.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.46	0.56	4.256	0.225	0.000	2.60	28.35
11.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.80	0.96	4.256	0.225	0.000	4.50	21.56
11.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.225	0.000	0.00	5.01
11.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.225	0.000	0.00	5.01
12.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.47	0.56	4.256	0.226	0.000	2.62	28.56
12.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.80	0.96	4.256	0.226	0.000	4.51	21.76
12.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.226	0.000	0.00	5.09
12.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.226	0.000	0.00	5.09
13.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.47	0.56	4.256	0.227	0.000	2.63	28.76
13.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.81	0.97	4.256	0.227	0.000	4.52	21.95
13.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.227	0.000	0.00	5.16
13.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.227	0.000	0.00	5.16
14.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.47	0.57	4.256	0.228	0.000	2.65	28.94
14.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.81	0.97	4.256	0.228	0.000	4.54	22.12
14.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.228	0.000	0.00	5.23
14.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.228	0.000	0.00	5.23
15.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.47	0.57	4.256	0.229	0.000	2.66	29.12
15.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.81	0.97	4.256	0.229	0.000	4.55	22.29
15.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.229	0.000	0.00	5.29
15.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.229	0.000	0.00	5.29
16.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.48	0.57	4.256	0.230	0.000	2.67	29.28
16.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.81	0.97	4.256	0.230	0.000	4.56	22.44
16.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.230	0.000	0.00	5.35
16.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.230	0.000	0.00	5.35
17.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.48	0.57	4.256	0.231	0.000	2.68	29.44
17.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.81	0.98	4.256	0.231	0.000	4.57	22.59
17.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.231	0.000	0.00	5.41

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

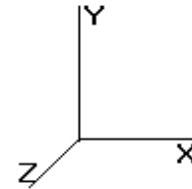


<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	36 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

17.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.231	0.000	0.00	5.41
18.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.48	0.57	4.256	0.232	0.000	2.69	29.59
18.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.82	0.98	4.256	0.232	0.000	4.58	22.73
18.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.232	0.000	0.00	5.46
18.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.232	0.000	0.00	5.46
19.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.48	0.58	4.256	0.233	0.000	2.70	29.73
19.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.82	0.98	4.256	0.233	0.000	4.59	22.86
19.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.233	0.000	0.00	5.52
19.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.233	0.000	0.00	5.52
20.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.48	0.58	4.256	0.234	0.000	2.71	29.86
20.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.82	0.98	4.256	0.234	0.000	4.60	22.99
20.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.234	0.000	0.00	5.57
20.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.234	0.000	0.00	5.57
21.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.48	0.58	4.256	0.235	0.000	2.72	29.99
21.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.82	0.98	4.256	0.235	0.000	4.61	23.11
21.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.235	0.000	0.00	5.61
21.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.235	0.000	0.00	5.61
22.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.49	0.58	4.256	0.236	0.000	2.73	30.12
22.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.82	0.99	4.256	0.236	0.000	4.62	23.23
22.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.236	0.000	0.00	5.66
22.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.236	0.000	0.00	5.66
23.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.49	0.58	4.256	0.237	0.000	2.73	30.24
23.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.82	0.99	4.256	0.237	0.000	4.62	23.34
23.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.237	0.000	0.00	5.70
23.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.237	0.000	0.00	5.70
24.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.49	0.59	4.256	0.238	0.000	2.74	30.35
24.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.82	0.99	4.256	0.238	0.000	4.63	23.45
24.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.238	0.000	0.00	5.75
24.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.238	0.000	0.00	5.75
25.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.49	0.59	4.256	0.239	0.000	2.75	30.46
25.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.83	0.99	4.256	0.239	0.000	4.64	23.55
25.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.239	0.000	0.00	5.79
25.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.239	0.000	0.00	5.79
26.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.49	0.59	4.256	0.240	0.000	2.76	30.57
26.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.83	0.99	4.256	0.240	0.000	4.65	23.65
26.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.240	0.000	0.00	5.83
26.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.240	0.000	0.00	5.83
27.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.49	0.59	4.256	0.241	0.000	2.76	30.67
27.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.83	0.99	4.256	0.241	0.000	4.65	23.75
27.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.241	0.000	0.00	5.87
27.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.241	0.000	0.00	5.87
28.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.49	0.59	4.256	0.243	0.000	2.77	30.77
28.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.83	1.00	4.256	0.243	0.000	4.66	23.85
28.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.243	0.000	0.00	5.91
28.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.243	0.000	0.00	5.91
29.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.49	0.59	4.256	0.244	0.000	2.78	30.87
29.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.83	1.00	4.256	0.244	0.000	4.67	23.94
29.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.244	0.000	0.00	5.94
29.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.244	0.000	0.00	5.94
30.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.59	4.260	0.245	0.000	2.78	30.97
30.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.83	1.00	4.260	0.245	0.000	4.68	24.03
30.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.260	0.245	0.000	0.00	5.98
30.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.260	0.245	0.000	0.00	5.98
31.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.300	0.246	0.000	2.82	31.06
31.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.83	1.00	4.300	0.246	0.000	4.73	24.11
31.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.300	0.246	0.000	0.00	6.01
31.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.300	0.246	0.000	0.00	6.01

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

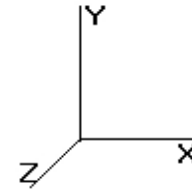


<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	36 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

31.50	(6) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.25	0.30	4.320	0.247	0.000	1.43	15.65
31.50	(4) #20 Dywidag Bars	Yes	0.50	1.200	6.02	0.42	0.50	4.320	0.247	0.000	2.39	12.16
31.50	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.320	0.247	0.000	0.00	3.04
31.50	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.320	0.247	0.000	0.00	3.04
32.00	(6) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.25	0.30	4.339	0.248	0.000	1.41	15.47
32.00	(4) #20 Dywidag Bars	Yes	0.50	1.200	6.02	0.41	0.50	4.339	0.248	0.000	2.37	12.02
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.339	0.248	0.000	0.00	3.00
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.339	0.248	0.000	0.00	3.00
33.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.377	0.248	0.000	2.88	31.23
33.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.83	1.00	4.377	0.248	0.000	4.82	24.28
33.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.377	0.248	0.000	0.00	6.08
33.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.377	0.248	0.000	0.00	6.08
34.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.415	0.250	0.000	2.91	31.32
34.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.00	4.415	0.250	0.000	4.87	24.36
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.415	0.250	0.000	0.00	6.11
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.415	0.250	0.000	0.00	6.11
35.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.451	0.251	0.000	2.94	31.40
35.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.00	4.451	0.251	0.000	4.92	24.44
35.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.451	0.251	0.000	0.00	6.14
35.67	(6) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.34	0.40	4.476	0.252	0.000	1.98	21.07
35.67	(4) #20 Dywidag Bars	Yes	0.67	1.200	6.02	0.56	0.67	4.476	0.252	0.000	3.32	16.41
36.00	(6) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.17	0.20	4.487	0.248	0.000	0.98	10.39
36.00	(4) #20 Dywidag Bars	Yes	0.33	1.200	6.02	0.28	0.33	4.487	0.248	0.000	1.64	8.09
37.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.523	0.248	0.000	3.00	31.56
37.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.01	4.523	0.248	0.000	5.01	24.59
38.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.557	0.250	0.000	3.03	31.64
38.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.01	4.557	0.250	0.000	5.05	24.66
39.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.60	4.591	0.251	0.000	3.05	31.71
39.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.01	4.591	0.251	0.000	5.09	24.73
40.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.50	0.61	4.625	0.252	0.000	3.08	31.78
40.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.01	4.625	0.252	0.000	5.14	24.80
41.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.657	0.253	0.000	3.11	31.86
41.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.01	4.657	0.253	0.000	5.18	24.87
42.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.689	0.254	0.000	3.14	31.93
42.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.01	4.689	0.254	0.000	5.22	24.94
43.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.721	0.256	0.000	3.16	31.99
43.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.01	4.721	0.256	0.000	5.26	25.00
44.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.752	0.257	0.000	3.19	32.06
44.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.84	1.01	4.752	0.257	0.000	5.30	25.06
45.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.783	0.258	0.000	3.21	32.13
45.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.01	4.783	0.258	0.000	5.34	25.13
46.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.813	0.260	0.000	3.24	32.19
46.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	4.813	0.260	0.000	5.38	25.19
47.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.843	0.261	0.000	3.26	32.26
47.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	4.843	0.261	0.000	5.41	25.25
48.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.872	0.262	0.000	3.29	32.32
48.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	4.872	0.262	0.000	5.45	25.31
49.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.901	0.264	0.000	3.31	32.38
49.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	4.901	0.264	0.000	5.49	25.37
50.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.61	4.929	0.265	0.000	3.33	32.44
50.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	4.929	0.265	0.000	5.52	25.42
51.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.62	4.957	0.266	0.000	3.36	32.50
51.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	4.957	0.266	0.000	5.56	25.48
52.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.62	4.984	0.268	0.000	3.38	32.56
52.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	4.984	0.268	0.000	5.60	25.53
53.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.51	0.62	5.012	0.269	0.000	3.40	32.62
53.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	5.012	0.269	0.000	5.63	25.59

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations

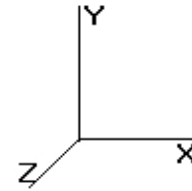
Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
 Wind Load Factor : 1.00

54.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.039	0.271	0.000	3.43	32.67
54.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	5.039	0.271	0.000	5.67	25.64
55.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.065	0.272	0.000	3.45	32.73
55.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	5.065	0.272	0.000	5.70	25.69
56.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.091	0.273	0.000	3.47	32.78
56.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	5.091	0.273	0.000	5.73	25.75
57.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.117	0.275	0.000	3.49	32.84
57.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.02	5.117	0.275	0.000	5.77	25.80
58.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.142	0.276	0.000	3.51	32.89
58.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.03	5.142	0.276	0.000	5.80	25.85
59.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.168	0.278	0.000	3.54	32.94
59.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.85	1.03	5.168	0.278	0.000	5.83	25.90
60.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.193	0.279	0.000	3.56	32.99
60.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.193	0.279	0.000	5.86	25.94
61.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.217	0.281	0.000	3.58	33.04
61.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.217	0.281	0.000	5.90	25.99
62.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.241	0.283	0.000	3.60	33.09
62.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.241	0.283	0.000	5.93	26.04
63.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.62	5.265	0.284	0.000	3.62	33.14
63.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.265	0.284	0.000	5.96	26.09
64.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.63	5.289	0.286	0.000	3.64	33.19
64.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.289	0.286	0.000	5.99	26.13
65.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.63	5.313	0.287	0.000	3.66	33.24
65.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.313	0.287	0.000	6.02	26.18
66.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.63	5.336	0.289	0.000	3.68	33.29
66.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.336	0.289	0.000	6.05	26.22
67.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.63	5.359	0.291	0.000	3.70	33.33
67.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.359	0.291	0.000	6.08	26.27
68.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.63	5.382	0.292	0.000	3.72	33.38
68.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.382	0.292	0.000	6.11	26.31
69.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.63	5.404	0.294	0.000	3.74	33.42
69.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.404	0.294	0.000	6.14	26.35
70.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.52	0.63	5.426	0.296	0.000	3.76	33.47
70.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.426	0.296	0.000	6.17	26.40
70.05	(6) 1 5/8" Coax	Yes	0.05	1.200	1.98	0.03	0.03	5.427	0.296	0.000	0.20	1.79
70.05	(4) #20 Dywidag Bars	Yes	0.05	1.200	6.02	0.05	0.06	5.427	0.296	0.000	0.33	1.41
71.00	(6) 1 5/8" Coax	Yes	0.95	1.200	1.98	0.50	0.60	5.448	0.297	0.000	3.57	31.73
71.00	(4) #20 Dywidag Bars	Yes	0.95	1.200	6.02	0.82	0.98	5.448	0.297	0.000	5.87	25.03
72.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.63	5.470	0.299	0.000	3.79	33.56
72.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.03	5.470	0.299	0.000	6.22	26.48
73.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.63	5.492	0.301	0.000	3.81	33.60
73.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.04	5.492	0.301	0.000	6.25	26.52
73.55	(6) 1 5/8" Coax	Yes	0.55	1.200	1.98	0.29	0.35	5.504	0.302	0.000	2.12	18.61
73.55	(4) #20 Dywidag Bars	Yes	0.55	1.200	6.02	0.48	0.57	5.504	0.302	0.000	3.47	14.69
74.00	(6) 1 5/8" Coax	Yes	0.45	1.200	1.98	0.24	0.28	5.513	0.297	0.000	1.71	15.03
74.00	(4) #20 Dywidag Bars	Yes	0.45	1.200	6.02	0.39	0.46	5.513	0.297	0.000	2.81	11.86
75.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.63	5.534	0.298	0.000	3.85	33.69
75.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.04	5.534	0.298	0.000	6.31	26.60
76.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.63	5.555	0.300	0.000	3.87	33.73
76.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.04	5.555	0.300	0.000	6.34	26.64
77.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.63	5.576	0.302	0.000	3.88	33.77
77.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.04	5.576	0.302	0.000	6.36	26.68
78.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.63	5.597	0.304	0.000	3.90	33.81
78.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.86	1.04	5.597	0.304	0.000	6.39	26.72
79.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.63	5.617	0.306	0.000	3.92	33.85
79.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.617	0.306	0.000	6.42	26.76
80.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.637	0.307	0.000	3.94	33.89



Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations

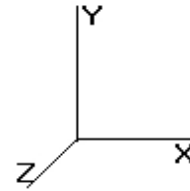
Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
 Wind Load Factor : 1.00

80.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.637	0.307	0.000	6.44	26.80
81.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.657	0.309	0.000	3.96	33.93
81.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.657	0.309	0.000	6.47	26.83
82.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.677	0.311	0.000	3.97	33.97
82.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.677	0.311	0.000	6.50	26.87
83.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.697	0.313	0.000	3.99	34.01
83.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.697	0.313	0.000	6.52	26.91
84.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.716	0.315	0.000	4.01	34.05
84.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.716	0.315	0.000	6.55	26.94
85.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.736	0.317	0.000	4.02	34.09
85.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.736	0.317	0.000	6.57	26.98
86.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.755	0.319	0.000	4.04	34.12
86.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.755	0.319	0.000	6.60	27.01
87.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.774	0.321	0.000	4.06	34.16
87.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.774	0.321	0.000	6.62	27.05
88.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.793	0.323	0.000	4.07	34.20
88.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.793	0.323	0.000	6.65	27.08
89.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.812	0.325	0.000	4.09	34.23
89.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.812	0.325	0.000	6.67	27.12
90.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.830	0.327	0.000	4.11	34.27
90.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.830	0.327	0.000	6.70	27.15
91.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.53	0.64	5.849	0.329	0.000	4.12	34.31
91.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.87	1.04	5.849	0.329	0.000	6.72	27.19
92.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.53	0.00	5.867	0.082	0.000	0.00	34.34
93.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.53	0.00	5.885	0.083	0.000	0.00	34.38
94.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	5.903	0.083	0.000	0.00	34.41
95.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	5.921	0.084	0.000	0.00	34.45
96.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	5.939	0.084	0.000	0.00	34.48
97.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	5.956	0.085	0.000	0.00	34.51
98.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	5.974	0.085	0.000	0.00	34.55
99.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	5.991	0.086	0.000	0.00	34.58
100.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.008	0.086	0.000	0.00	34.61
101.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.026	0.087	0.000	0.00	34.65
102.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.043	0.088	0.000	0.00	34.68
103.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.059	0.088	0.000	0.00	34.71
104.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.076	0.089	0.000	0.00	34.74
105.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.093	0.090	0.000	0.00	34.77
106.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.109	0.090	0.000	0.00	34.81
107.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.126	0.091	0.000	0.00	34.84
108.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.142	0.091	0.000	0.00	34.87
109.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.158	0.092	0.000	0.00	34.90
110.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.174	0.093	0.000	0.00	34.93
110.0	(6) 1 5/8" Coax	Yes	0.05	0.000	1.98	0.03	0.00	6.175	0.093	0.000	0.00	1.86
111.0	(6) 1 5/8" Coax	Yes	0.95	0.000	1.98	0.51	0.00	6.190	0.093	0.000	0.00	33.09
112.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.206	0.094	0.000	0.00	34.99
113.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.222	0.095	0.000	0.00	35.02
114.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.238	0.096	0.000	0.00	35.05
115.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.253	0.096	0.000	0.00	35.08
116.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.269	0.097	0.000	0.00	35.11
117.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.284	0.098	0.000	0.00	35.13
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.299	0.099	0.000	0.00	35.16
119.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.315	0.099	0.000	0.00	35.19
120.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.330	0.100	0.000	0.00	35.22
121.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.345	0.101	1.003	0.00	35.25
122.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.54	0.00	6.360	0.102	1.005	0.00	35.28
123.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.55	0.00	6.375	0.103	1.008	0.00	35.30
124.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.55	0.00	6.389	0.103	1.010	0.00	35.33

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:56 PM  
 Page: 47



© 2007 - 2014 by ATC IP LLC. All rights reserved.

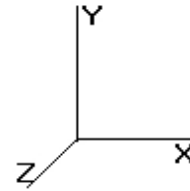
**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations  
 Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
 Wind Load Factor : 1.00

125.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.55	0.00	6.404	0.104	1.013	0.00	35.36
126.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.55	0.00	6.419	0.105	1.015	0.00	35.38
127.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.55	0.00	6.433	0.106	1.018	0.00	35.41
128.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.55	0.00	6.448	0.107	1.021	0.00	35.44
<b>Totals:</b>											<b>760.02</b>	<b>6,555.81</b>

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:56 PM  
 Page: 48



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations  
 Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
 Wind Load Factor : 1.00

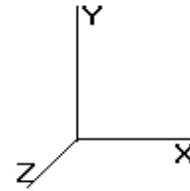
### Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	18.73	310.09	0.00	0.00
2.00	18.75	314.13	0.00	0.00
3.00	18.74	316.21	0.00	0.00
4.00	18.71	317.45	0.00	0.00
5.00	25.52	401.35	0.00	0.00
6.00	25.53	402.86	0.00	0.00
7.00	25.53	404.01	0.00	0.00
8.00	25.52	404.89	0.00	0.00
9.00	25.51	405.55	0.00	0.00
10.00	25.48	406.05	0.00	0.00
11.00	25.46	406.41	0.00	0.00
12.00	25.43	406.64	0.00	0.00
13.00	25.40	406.78	0.00	0.00
14.00	25.36	406.84	0.00	0.00
15.00	25.33	406.81	0.00	0.00
16.00	25.29	406.73	0.00	0.00
17.00	25.24	406.58	0.00	0.00
18.00	25.20	406.38	0.00	0.00
19.00	25.16	406.14	0.00	0.00
20.00	25.11	405.85	0.00	0.00
21.00	25.06	405.52	0.00	0.00
22.00	25.02	405.16	0.00	0.00
23.00	24.97	404.76	0.00	0.00
24.00	24.92	404.33	0.00	0.00
25.00	24.87	403.88	0.00	0.00
26.00	24.82	403.40	0.00	0.00
27.00	24.76	402.89	0.00	0.00
28.00	24.71	402.37	0.00	0.00
29.00	24.66	401.82	0.00	0.00
30.00	24.62	401.25	0.00	0.00
31.00	24.80	400.67	0.00	0.00
31.50	12.52	201.42	0.00	0.00
32.00	12.55	263.74	0.00	0.00
33.00	25.44	530.13	0.00	0.00
34.00	51.94	641.46	0.00	0.00
35.00	48.40	730.49	0.00	0.00
35.67	17.32	344.51	0.00	0.00
36.00	8.54	120.29	0.00	0.00
37.00	26.05	364.11	0.00	0.00
38.00	26.18	363.49	0.00	0.00
39.00	26.32	362.86	0.00	0.00
40.00	26.44	362.21	0.00	0.00
41.00	26.57	361.56	0.00	0.00
42.00	26.68	360.89	0.00	0.00
43.00	26.80	360.22	0.00	0.00
44.00	26.91	359.54	0.00	0.00
45.00	27.01	358.85	0.00	0.00
46.00	27.12	358.15	0.00	0.00
47.00	27.21	357.44	0.00	0.00

Pole : 302473  
 Location : E H F R - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:56 PM  
 Page : 49



© 2007 - 2014 by ATC IP LLC. All rights reserved.

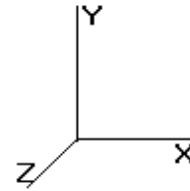
<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	36 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

48.00	27.31	356.73	0.00	0.00
49.00	27.40	356.01	0.00	0.00
50.00	27.49	355.28	0.00	0.00
51.00	27.57	354.55	0.00	0.00
52.00	27.65	353.80	0.00	0.00
53.00	27.73	353.05	0.00	0.00
54.00	27.81	352.30	0.00	0.00
55.00	27.88	351.54	0.00	0.00
56.00	27.95	350.77	0.00	0.00
57.00	28.01	350.00	0.00	0.00
58.00	28.08	349.23	0.00	0.00
59.00	28.14	348.44	0.00	0.00
60.00	28.20	347.66	0.00	0.00
61.00	28.25	346.86	0.00	0.00
62.00	28.31	346.07	0.00	0.00
63.00	28.36	345.26	0.00	0.00
64.00	28.41	344.46	0.00	0.00
65.00	28.45	343.65	0.00	0.00
66.00	28.50	342.83	0.00	0.00
67.00	28.54	342.01	0.00	0.00
68.00	28.58	341.19	0.00	0.00
69.00	28.62	340.36	0.00	0.00
70.00	28.65	339.53	0.00	0.00
70.05	1.53	18.09	0.00	0.00
71.00	27.45	403.59	0.00	0.00
72.00	29.03	425.03	0.00	0.00
73.00	29.06	423.69	0.00	0.00
73.55	16.08	233.89	0.00	0.00
74.00	12.98	142.29	0.00	0.00
75.00	29.12	317.96	0.00	0.00
76.00	29.14	317.24	0.00	0.00
77.00	29.17	316.51	0.00	0.00
78.00	29.19	315.77	0.00	0.00
79.00	29.21	315.04	0.00	0.00
80.00	29.23	314.29	0.00	0.00
81.00	29.25	313.55	0.00	0.00
82.00	29.26	312.81	0.00	0.00
83.00	29.27	312.06	0.00	0.00
84.00	29.29	311.30	0.00	0.00
85.00	29.30	310.55	0.00	0.00
86.00	29.31	242.99	0.00	0.00
87.00	29.31	242.23	0.00	0.00
88.00	29.32	241.47	0.00	0.00
89.00	29.32	240.70	0.00	0.00
90.00	29.33	239.94	0.00	0.00
91.00	29.33	239.17	0.00	0.00
92.00	18.45	211.17	0.00	0.00
93.00	18.40	210.36	0.00	0.00
94.00	18.36	209.55	0.00	0.00
95.00	18.32	208.74	0.00	0.00
96.00	18.28	207.92	0.00	0.00
97.00	18.23	207.11	0.00	0.00
98.00	18.18	206.29	0.00	0.00
99.00	18.14	205.47	0.00	0.00
100.0	18.09	204.65	0.00	0.00
101.0	18.04	203.82	0.00	0.00
102.0	17.99	203.00	0.00	0.00

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:56 PM  
 Page: 50



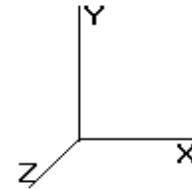
© 2007 - 2014 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.00 in Radial Ice	36 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

103.0	17.94	202.17	0.00	0.00
104.0	17.89	201.34	0.00	0.00
105.0	17.83	200.51	0.00	0.00
106.0	17.78	199.67	0.00	0.00
107.0	17.73	198.84	0.00	0.00
108.0	17.67	198.00	0.00	0.00
109.0	17.61	197.17	0.00	0.00
110.0	17.56	196.33	0.00	0.00
110.0	0.93	10.46	0.00	0.00
111.0	16.56	169.47	0.00	0.00
112.0	17.44	178.31	0.00	0.00
113.0	17.38	177.59	0.00	0.00
114.0	17.32	176.87	0.00	0.00
115.0	17.26	176.15	0.00	0.00
116.0	17.20	175.42	0.00	0.00
117.0	17.13	174.70	0.00	0.00
118.0	346.85	1,476.82	0.00	0.00
119.0	17.01	168.00	0.00	0.00
120.0	16.94	167.26	0.00	0.00
121.0	16.87	166.53	0.00	0.00
122.0	16.81	165.80	0.00	0.00
123.0	16.74	165.07	0.00	0.00
124.0	16.67	164.33	0.00	0.00
125.0	16.60	163.59	0.00	0.00
126.0	16.53	162.85	0.00	0.00
127.0	16.46	162.12	0.00	0.00
128.0	296.34	2,957.47	0.00	0.00
129.0	16.32	123.61	0.00	0.00
130.0	16.25	122.84	0.00	0.00
131.0	16.17	122.07	0.00	0.00
132.0	16.10	121.30	0.00	0.00
133.0	16.02	120.52	0.00	0.00
134.0	15.95	119.75	0.00	0.00
135.0	15.87	118.98	0.00	0.00
136.0	15.80	118.20	0.00	0.00
137.0	15.72	117.42	0.00	0.00
138.0	476.75	6,521.55	0.00	0.00
139.0	15.56	111.07	0.00	0.00
140.0	15.48	110.29	0.00	0.00
141.0	15.40	109.51	0.00	0.00
142.0	15.32	108.73	0.00	0.00
143.0	15.24	107.95	0.00	0.00
144.0	15.16	107.16	0.00	0.00
145.0	15.08	106.38	0.00	0.00
146.0	14.99	105.59	0.00	0.00
147.0	14.91	104.81	0.00	0.00
148.0	14.83	104.02	0.00	0.00
149.0	14.74	103.24	0.00	0.00
150.0	960.96	8,248.07	0.00	2,099.44
<b>Totals:</b>	<b>5,489.69</b>	<b>61,610.86</b>	<b>0.00</b>	<b>2,099.44</b>

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations

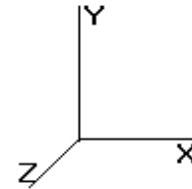
Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
 Wind Load Factor : 1.00

### 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	-61.61	-5.50	0.00	-611.48	0.00	611.48	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.182
1.00	-61.30	-5.49	0.00	-605.98	0.00	605.98	3,050.02	1,525.01	4,454.73	2,200.02	0.00	-0.02	0.181
2.00	-60.98	-5.49	0.00	-600.49	0.00	600.49	3,041.57	1,520.78	4,423.29	2,184.50	0.01	-0.03	0.180
3.00	-60.67	-5.49	0.00	-595.00	0.00	595.00	3,033.07	1,516.54	4,391.91	2,169.00	0.01	-0.05	0.180
4.00	-60.35	-5.49	0.00	-589.51	0.00	589.51	3,024.54	1,512.27	4,360.59	2,153.53	0.03	-0.06	0.179
5.00	-59.94	-5.48	0.00	-584.03	0.00	584.03	3,015.97	1,507.99	4,329.31	2,138.08	0.04	-0.08	0.178
6.00	-59.54	-5.46	0.00	-578.55	0.00	578.55	3,007.36	1,503.68	4,298.09	2,122.66	0.06	-0.09	0.177
7.00	-59.13	-5.45	0.00	-573.09	0.00	573.09	2,998.72	1,499.36	4,266.91	2,107.27	0.08	-0.11	0.176
8.00	-58.73	-5.44	0.00	-567.63	0.00	567.63	2,990.03	1,495.02	4,235.80	2,091.90	0.10	-0.12	0.176
9.00	-58.32	-5.43	0.00	-562.19	0.00	562.19	2,981.31	1,490.65	4,204.74	2,076.56	0.13	-0.14	0.175
10.00	-57.91	-5.42	0.00	-556.76	0.00	556.76	2,972.54	1,486.27	4,173.73	2,061.25	0.16	-0.15	0.174
11.00	-57.51	-5.41	0.00	-551.33	0.00	551.33	2,963.74	1,481.87	4,142.78	2,045.96	0.19	-0.17	0.173
12.00	-57.10	-5.40	0.00	-545.92	0.00	545.92	2,954.90	1,477.45	4,111.88	2,030.70	0.23	-0.18	0.172
13.00	-56.69	-5.39	0.00	-540.52	0.00	540.52	2,946.03	1,473.01	4,081.05	2,015.48	0.27	-0.20	0.171
14.00	-56.28	-5.38	0.00	-535.14	0.00	535.14	2,937.11	1,468.55	4,050.27	2,000.28	0.31	-0.21	0.171
15.00	-55.87	-5.36	0.00	-529.76	0.00	529.76	2,928.15	1,464.08	4,019.55	1,985.10	0.36	-0.23	0.170
16.00	-55.46	-5.35	0.00	-524.40	0.00	524.40	2,919.16	1,459.58	3,988.89	1,969.96	0.41	-0.24	0.169
17.00	-55.06	-5.34	0.00	-519.04	0.00	519.04	2,910.13	1,455.06	3,958.29	1,954.85	0.46	-0.26	0.168
18.00	-54.65	-5.33	0.00	-513.70	0.00	513.70	2,901.06	1,450.53	3,927.75	1,939.77	0.52	-0.28	0.167
19.00	-54.24	-5.32	0.00	-508.38	0.00	508.38	2,891.95	1,445.97	3,897.28	1,924.72	0.58	-0.29	0.166
20.00	-53.83	-5.30	0.00	-503.06	0.00	503.06	2,882.80	1,441.40	3,866.87	1,909.70	0.64	-0.31	0.165
21.00	-53.43	-5.29	0.00	-497.76	0.00	497.76	2,873.62	1,436.81	3,836.52	1,894.71	0.71	-0.32	0.164
22.00	-53.02	-5.28	0.00	-492.47	0.00	492.47	2,864.39	1,432.20	3,806.23	1,879.75	0.78	-0.34	0.164
23.00	-52.62	-5.26	0.00	-487.19	0.00	487.19	2,855.13	1,427.56	3,776.01	1,864.83	0.85	-0.35	0.163
24.00	-52.21	-5.25	0.00	-481.93	0.00	481.93	2,845.83	1,422.91	3,745.85	1,849.94	0.92	-0.37	0.162
25.00	-51.80	-5.24	0.00	-476.68	0.00	476.68	2,835.25	1,417.62	3,714.14	1,834.28	1.00	-0.38	0.161
26.00	-51.40	-5.22	0.00	-471.45	0.00	471.45	2,821.83	1,410.91	3,678.86	1,818.85	1.08	-0.40	0.160
27.00	-51.00	-5.21	0.00	-466.22	0.00	466.22	2,808.40	1,404.20	3,643.74	1,799.51	1.17	-0.41	0.159
28.00	-50.59	-5.19	0.00	-461.01	0.00	461.01	2,794.98	1,397.49	3,608.79	1,782.25	1.26	-0.43	0.159
29.00	-50.19	-5.18	0.00	-455.82	0.00	455.82	2,781.56	1,390.78	3,574.01	1,765.07	1.35	-0.45	0.158
30.00	-49.79	-5.17	0.00	-450.64	0.00	450.64	2,768.14	1,384.07	3,539.40	1,747.98	1.45	-0.46	0.157
31.00	-49.39	-5.15	0.00	-445.47	0.00	445.47	2,754.72	1,377.36	3,504.96	1,730.97	1.54	-0.48	0.157
31.50	-49.18	-5.14	0.00	-442.88	0.00	442.88	2,747.96	1,373.98	3,487.68	1,722.44	1.59	-0.48	0.156
32.00	-48.92	-5.14	0.00	-440.33	0.00	440.33	2,741.30	1,370.65	3,470.68	1,714.04	1.65	-0.49	0.154
33.00	-48.39	-5.12	0.00	-435.19	0.00	435.19	2,727.87	1,363.94	3,436.57	1,697.20	1.75	-0.51	0.153
34.00	-47.75	-5.07	0.00	-430.07	0.00	430.07	2,714.45	1,357.23	3,402.64	1,680.43	1.86	-0.52	0.152
35.00	-47.01	-5.03	0.00	-425.00	0.00	425.00	2,701.03	1,350.51	3,368.87	1,663.76	1.97	-0.54	0.151
35.67	-46.67	-5.01	0.00	-421.63	0.00	421.63	2,180.41	1,090.21	2,778.27	1,372.08	2.05	-0.55	0.172
36.00	-46.55	-5.01	0.00	-419.98	0.00	419.98	2,178.20	1,089.10	2,770.95	1,368.47	2.08	-0.55	0.172
37.00	-46.18	-5.00	0.00	-414.96	0.00	414.96	2,171.49	1,085.75	2,748.79	1,357.52	2.20	-0.57	0.171
38.00	-45.82	-4.98	0.00	-409.97	0.00	409.97	2,164.74	1,082.37	2,726.66	1,346.60	2.32	-0.59	0.170
39.00	-45.45	-4.96	0.00	-404.99	0.00	404.99	2,157.96	1,078.98	2,704.57	1,335.69	2.45	-0.60	0.168
40.00	-45.09	-4.95	0.00	-400.02	0.00	400.02	2,151.13	1,075.57	2,682.52	1,324.80	2.58	-0.62	0.167
41.00	-44.73	-4.93	0.00	-395.08	0.00	395.08	2,144.27	1,072.13	2,660.51	1,313.93	2.71	-0.63	0.166
42.00	-44.37	-4.91	0.00	-390.15	0.00	390.15	2,137.36	1,068.68	2,638.53	1,303.07	2.84	-0.65	0.165
43.00	-44.01	-4.89	0.00	-385.24	0.00	385.24	2,130.42	1,065.21	2,616.60	1,292.24	2.98	-0.67	0.163
44.00	-43.64	-4.87	0.00	-380.35	0.00	380.35	2,123.44	1,061.72	2,594.70	1,281.43	3.12	-0.68	0.162
45.00	-43.28	-4.85	0.00	-375.48	0.00	375.48	2,116.42	1,058.21	2,572.85	1,270.63	3.27	-0.70	0.161
46.00	-42.93	-4.83	0.00	-370.62	0.00	370.62	2,109.36	1,054.68	2,551.04	1,259.86	3.41	-0.72	0.159
47.00	-42.57	-4.81	0.00	-365.79	0.00	365.79	2,102.27	1,051.13	2,529.26	1,249.11	3.57	-0.73	0.158
48.00	-42.21	-4.79	0.00	-360.98	0.00	360.98	2,095.13	1,047.57	2,507.54	1,238.38	3.72	-0.75	0.157

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



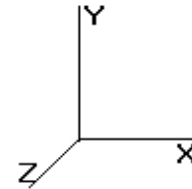
**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations

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

49.00	-41.85	-4.77	0.00	-356.18	0.00	356.18	2,087.96	1,043.98	2,485.85	1,227.67	3.88	-0.76	0.156
50.00	-41.50	-4.75	0.00	-351.41	0.00	351.41	2,080.75	1,040.37	2,464.21	1,216.98	4.04	-0.78	0.154
51.00	-41.14	-4.73	0.00	-346.66	0.00	346.66	2,073.50	1,036.75	2,442.62	1,206.32	4.21	-0.80	0.153
52.00	-40.79	-4.71	0.00	-341.93	0.00	341.93	2,066.21	1,033.11	2,421.07	1,195.68	4.37	-0.81	0.152
53.00	-40.43	-4.69	0.00	-337.22	0.00	337.22	2,058.88	1,029.44	2,399.57	1,185.06	4.55	-0.83	0.150
54.00	-40.08	-4.67	0.00	-332.53	0.00	332.53	2,051.52	1,025.76	2,378.11	1,174.46	4.72	-0.84	0.149
55.00	-39.73	-4.65	0.00	-327.86	0.00	327.86	2,044.11	1,022.06	2,356.71	1,163.89	4.90	-0.86	0.148
56.00	-39.38	-4.62	0.00	-323.21	0.00	323.21	2,036.67	1,018.34	2,335.35	1,153.34	5.08	-0.88	0.146
57.00	-39.02	-4.60	0.00	-318.59	0.00	318.59	2,029.19	1,014.59	2,314.04	1,142.82	5.27	-0.89	0.145
58.00	-38.67	-4.58	0.00	-313.99	0.00	313.99	2,021.67	1,010.84	2,292.78	1,132.32	5.45	-0.91	0.144
59.00	-38.33	-4.55	0.00	-309.42	0.00	309.42	2,014.11	1,007.06	2,271.57	1,121.84	5.65	-0.92	0.142
60.00	-37.98	-4.53	0.00	-304.86	0.00	304.86	2,006.52	1,003.26	2,250.42	1,111.40	5.84	-0.94	0.141
61.00	-37.63	-4.51	0.00	-300.33	0.00	300.33	1,998.88	999.44	2,229.31	1,100.97	6.04	-0.95	0.140
62.00	-37.28	-4.48	0.00	-295.82	0.00	295.82	1,991.21	995.60	2,208.26	1,090.58	6.24	-0.97	0.138
63.00	-36.94	-4.46	0.00	-291.34	0.00	291.34	1,983.49	991.75	2,187.27	1,080.21	6.45	-0.99	0.137
64.00	-36.59	-4.43	0.00	-286.88	0.00	286.88	1,975.74	987.87	2,166.32	1,069.87	6.65	-1.00	0.136
65.00	-36.25	-4.41	0.00	-282.45	0.00	282.45	1,966.30	983.15	2,143.64	1,058.66	6.87	-1.02	0.135
66.00	-35.90	-4.38	0.00	-278.04	0.00	278.04	1,955.12	977.56	2,119.18	1,046.58	7.08	-1.03	0.133
67.00	-35.56	-4.36	0.00	-273.65	0.00	273.65	1,943.93	971.97	2,094.86	1,034.57	7.30	-1.05	0.132
68.00	-35.22	-4.33	0.00	-269.30	0.00	269.30	1,932.75	966.37	2,070.68	1,022.63	7.52	-1.06	0.131
69.00	-34.88	-4.31	0.00	-264.96	0.00	264.96	1,921.56	960.78	2,046.64	1,010.76	7.74	-1.08	0.130
70.00	-34.54	-4.28	0.00	-260.65	0.00	260.65	1,910.38	955.19	2,022.74	998.96	7.97	-1.09	0.129
70.05	-34.52	-4.28	0.00	-260.42	0.00	260.42	1,909.78	954.89	2,021.47	998.33	7.98	-1.09	0.129
71.00	-34.12	-4.25	0.00	-256.37	0.00	256.37	1,899.19	949.60	1,998.99	987.22	8.20	-1.11	0.126
72.00	-33.69	-4.23	0.00	-252.12	0.00	252.12	1,888.01	944.00	1,975.37	975.56	8.43	-1.12	0.124
73.00	-33.27	-4.20	0.00	-247.89	0.00	247.89	1,876.82	938.41	1,951.89	963.97	8.67	-1.14	0.123
73.55	-33.03	-4.18	0.00	-245.57	0.00	245.57	1,431.27	715.64	1,520.69	751.01	8.80	-1.15	0.143
74.00	-32.89	-4.17	0.00	-243.70	0.00	243.70	1,429.00	714.50	1,514.27	747.84	8.91	-1.15	0.142
75.00	-32.57	-4.14	0.00	-239.53	0.00	239.53	1,423.89	711.94	1,499.92	740.75	9.16	-1.17	0.140
76.00	-32.25	-4.12	0.00	-235.39	0.00	235.39	1,418.73	709.37	1,485.59	733.68	9.40	-1.18	0.139
77.00	-31.94	-4.09	0.00	-231.28	0.00	231.28	1,413.54	706.77	1,471.28	726.61	9.65	-1.20	0.137
78.00	-31.62	-4.06	0.00	-227.19	0.00	227.19	1,408.31	704.16	1,457.00	719.56	9.90	-1.22	0.135
79.00	-31.31	-4.03	0.00	-223.13	0.00	223.13	1,403.04	701.52	1,442.75	712.52	10.16	-1.23	0.133
80.00	-30.99	-4.01	0.00	-219.09	0.00	219.09	1,397.73	698.87	1,428.52	705.49	10.42	-1.25	0.132
81.00	-30.68	-3.98	0.00	-215.09	0.00	215.09	1,392.39	696.19	1,414.32	698.48	10.68	-1.26	0.130
82.00	-30.36	-3.95	0.00	-211.11	0.00	211.11	1,387.00	693.50	1,400.15	691.48	10.95	-1.28	0.128
83.00	-30.05	-3.92	0.00	-207.16	0.00	207.16	1,381.58	690.79	1,386.01	684.50	11.22	-1.29	0.126
84.00	-29.74	-3.89	0.00	-203.24	0.00	203.24	1,376.12	688.06	1,371.90	677.53	11.49	-1.31	0.125
85.00	-29.43	-3.86	0.00	-199.34	0.00	199.34	1,370.62	685.31	1,357.82	670.57	11.77	-1.32	0.123
85.00	-29.43	-3.86	0.00	-199.34	0.00	199.34	1,370.62	685.31	1,357.82	670.57	11.77	-1.32	0.319
86.00	-29.18	-3.84	0.00	-195.48	0.00	195.48	1,365.08	682.54	1,343.77	663.64	12.04	-1.34	0.316
87.00	-28.94	-3.83	0.00	-191.64	0.00	191.64	1,359.50	679.75	1,329.75	656.71	12.33	-1.38	0.313
88.00	-28.70	-3.81	0.00	-187.81	0.00	187.81	1,353.89	676.94	1,315.76	649.80	12.62	-1.41	0.310
89.00	-28.45	-3.80	0.00	-183.99	0.00	183.99	1,348.24	674.12	1,301.81	642.91	12.92	-1.45	0.307
90.00	-28.21	-3.78	0.00	-180.20	0.00	180.20	1,342.54	671.27	1,287.89	636.04	13.23	-1.49	0.304
91.00	-27.97	-3.76	0.00	-176.42	0.00	176.42	1,336.81	668.41	1,274.00	629.18	13.55	-1.53	0.301
92.00	-27.76	-3.76	0.00	-172.65	0.00	172.65	1,331.04	665.52	1,260.15	622.34	13.87	-1.57	0.298
93.00	-27.55	-3.75	0.00	-168.90	0.00	168.90	1,325.23	662.62	1,246.34	615.52	14.21	-1.61	0.295
94.00	-27.34	-3.75	0.00	-165.14	0.00	165.14	1,319.39	659.69	1,232.57	608.72	14.55	-1.65	0.292
95.00	-27.12	-3.74	0.00	-161.40	0.00	161.40	1,313.50	656.75	1,218.83	601.93	14.90	-1.69	0.289
96.00	-26.91	-3.73	0.00	-157.66	0.00	157.66	1,307.58	653.79	1,205.13	595.17	15.25	-1.73	0.286
97.00	-26.71	-3.73	0.00	-153.92	0.00	153.92	1,301.62	650.81	1,191.47	588.42	15.62	-1.76	0.282
98.00	-26.50	-3.72	0.00	-150.19	0.00	150.19	1,295.62	647.81	1,177.85	581.69	15.99	-1.80	0.279
99.00	-26.29	-3.71	0.00	-146.47	0.00	146.47	1,289.58	644.79	1,164.26	574.99	16.37	-1.84	0.275
100.00	-26.08	-3.71	0.00	-142.76	0.00	142.76	1,283.50	641.75	1,150.72	568.30	16.76	-1.88	0.272
101.00	-25.88	-3.70	0.00	-139.05	0.00	139.05	1,277.38	638.69	1,137.23	561.63	17.16	-1.92	0.268
102.00	-25.67	-3.69	0.00	-135.35	0.00	135.35	1,271.23	635.61	1,123.77	554.99	17.57	-1.95	0.264

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



8/28/2014 1:41:57 PM  
 Page: 53

© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.2D + 1.0Di + 1.0Wi      50.00 mph with 1.00 in Radial Ice      36 Iterations

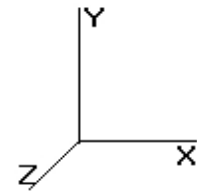
Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
 Wind Load Factor : 1.00

103.00	-25.47	-3.68	0.00	-131.66	0.00	131.66	1,265.03	632.52	1,110.36	548.37	17.98	-1.99	0.260
104.00	-25.27	-3.67	0.00	-127.98	0.00	127.98	1,257.45	628.72	1,095.81	541.18	18.40	-2.03	0.257
105.00	-25.07	-3.66	0.00	-124.31	0.00	124.31	1,248.50	624.25	1,080.18	533.46	18.83	-2.06	0.253
106.00	-24.86	-3.66	0.00	-120.65	0.00	120.65	1,239.55	619.78	1,064.67	525.80	19.27	-2.10	0.250
107.00	-24.66	-3.65	0.00	-116.99	0.00	116.99	1,230.60	615.30	1,049.26	518.19	19.71	-2.14	0.246
108.00	-24.46	-3.64	0.00	-113.34	0.00	113.34	1,221.66	610.83	1,033.97	510.64	20.16	-2.17	0.242
109.00	-24.27	-3.63	0.00	-109.71	0.00	109.71	1,212.71	606.35	1,018.79	503.14	20.62	-2.21	0.238
110.00	-24.07	-3.61	0.00	-106.08	0.00	106.08	1,203.76	601.88	1,003.72	495.70	21.09	-2.24	0.234
110.05	-24.06	-3.61	0.00	-105.89	0.00	105.89	1,203.28	601.64	1,002.92	495.30	21.11	-2.24	0.234
110.05	-24.06	-3.61	0.00	-105.89	0.00	105.89	829.60	414.80	695.72	343.59	21.11	-2.24	0.337
111.00	-23.89	-3.61	0.00	-102.47	0.00	102.47	826.22	413.11	687.98	339.77	21.56	-2.28	0.331
112.00	-23.71	-3.60	0.00	-98.86	0.00	98.86	822.61	411.30	679.82	335.74	22.04	-2.32	0.323
113.00	-23.53	-3.59	0.00	-95.26	0.00	95.26	818.96	409.48	671.67	331.71	22.53	-2.37	0.316
114.00	-23.35	-3.59	0.00	-91.67	0.00	91.67	815.28	407.64	663.53	327.69	23.03	-2.41	0.308
115.00	-23.17	-3.58	0.00	-88.08	0.00	88.08	811.55	405.78	655.41	323.68	23.54	-2.45	0.301
116.00	-22.99	-3.57	0.00	-84.50	0.00	84.50	807.79	403.90	647.30	319.68	24.06	-2.50	0.293
117.00	-22.82	-3.56	0.00	-80.93	0.00	80.93	803.99	402.00	639.21	315.68	24.59	-2.54	0.285
118.00	-21.35	-3.17	0.00	-77.37	0.00	77.37	800.15	400.08	631.14	311.70	25.12	-2.58	0.275
119.00	-21.19	-3.16	0.00	-74.20	0.00	74.20	796.28	398.14	623.08	307.72	25.67	-2.62	0.268
120.00	-21.02	-3.15	0.00	-71.04	0.00	71.04	792.36	396.18	615.05	303.75	26.22	-2.66	0.260
121.00	-20.85	-3.14	0.00	-67.90	0.00	67.90	788.40	394.20	607.03	299.79	26.78	-2.70	0.253
122.00	-20.68	-3.12	0.00	-64.76	0.00	64.76	784.41	392.21	599.04	295.84	27.35	-2.73	0.245
123.00	-20.52	-3.11	0.00	-61.64	0.00	61.64	780.38	390.19	591.06	291.90	27.93	-2.77	0.238
124.00	-20.35	-3.10	0.00	-58.53	0.00	58.53	776.31	388.15	583.11	287.98	28.51	-2.81	0.230
125.00	-20.19	-3.09	0.00	-55.43	0.00	55.43	772.20	386.10	575.18	284.06	29.10	-2.84	0.221
126.00	-20.02	-3.07	0.00	-52.34	0.00	52.34	768.05	384.03	567.27	280.15	29.70	-2.87	0.213
127.00	-19.86	-3.06	0.00	-49.26	0.00	49.26	763.87	381.93	559.39	276.26	30.31	-2.91	0.204
128.00	-16.92	-2.62	0.00	-46.20	0.00	46.20	759.64	379.82	551.53	272.38	30.92	-2.94	0.192
129.00	-16.80	-2.61	0.00	-43.58	0.00	43.58	755.38	377.69	543.69	268.51	31.54	-2.97	0.185
130.00	-16.67	-2.60	0.00	-40.97	0.00	40.97	751.08	375.54	535.89	264.65	32.16	-3.00	0.177
131.00	-16.55	-2.58	0.00	-38.38	0.00	38.38	746.74	373.37	528.10	260.81	32.79	-3.03	0.169
132.00	-16.43	-2.57	0.00	-35.79	0.00	35.79	742.36	371.18	520.35	256.98	33.43	-3.05	0.161
133.00	-16.31	-2.55	0.00	-33.23	0.00	33.23	737.94	368.97	512.62	253.17	34.07	-3.08	0.153
134.00	-16.19	-2.54	0.00	-30.68	0.00	30.68	733.49	366.74	504.93	249.37	34.72	-3.10	0.145
135.00	-16.07	-2.52	0.00	-28.14	0.00	28.14	728.99	364.50	497.26	245.58	35.37	-3.13	0.137
136.00	-15.95	-2.50	0.00	-25.63	0.00	25.63	724.46	362.23	489.62	241.81	36.03	-3.15	0.128
137.00	-15.83	-2.49	0.00	-23.12	0.00	23.12	719.89	359.95	482.02	238.05	36.69	-3.17	0.119
138.00	-9.35	-1.65	0.00	-20.64	0.00	20.64	715.28	357.64	474.45	234.31	37.35	-3.19	0.101
139.00	-9.24	-1.63	0.00	-18.99	0.00	18.99	710.63	355.32	466.90	230.59	38.02	-3.20	0.095
140.00	-9.13	-1.61	0.00	-17.35	0.00	17.35	704.27	352.14	458.31	226.34	38.70	-3.22	0.090
141.00	-9.02	-1.59	0.00	-15.74	0.00	15.74	697.56	348.78	449.56	222.02	39.37	-3.24	0.084
142.00	-8.91	-1.57	0.00	-14.15	0.00	14.15	690.85	345.43	440.90	217.75	40.05	-3.25	0.078
143.00	-8.80	-1.56	0.00	-12.57	0.00	12.57	684.14	342.07	432.33	213.51	40.73	-3.26	0.072
144.00	-8.70	-1.54	0.00	-11.02	0.00	11.02	677.43	338.71	423.84	209.32	41.42	-3.28	0.065
145.00	-8.59	-1.52	0.00	-9.48	0.00	9.48	670.72	335.36	415.43	205.17	42.10	-3.29	0.059
146.00	-8.49	-1.50	0.00	-7.97	0.00	7.97	664.01	332.00	407.11	201.06	42.79	-3.30	0.052
147.00	-8.38	-1.48	0.00	-6.47	0.00	6.47	657.30	328.65	398.87	196.99	43.48	-3.30	0.046
148.00	-8.28	-1.46	0.00	-4.99	0.00	4.99	650.59	325.29	390.72	192.96	44.18	-3.31	0.039
149.00	-8.18	-1.44	0.00	-3.54	0.00	3.54	643.87	321.94	382.65	188.98	44.87	-3.32	0.031
150.00	0.00	-0.96	0.00	-2.10	0.00	2.10	637.16	318.58	374.66	185.03	45.56	-3.32	0.011



Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



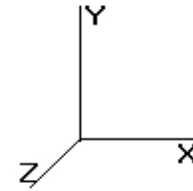
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	34 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

**Shaft Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Ap (sf)	EPAs (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		1.00	0.70	6.129	6.742	155.91	1.000	0.000	0.00	0.000	0.00	0.0	0.0	0.0	
1.00		1.00	0.70	6.129	6.742	155.25	1.000	0.000	1.00	3.099	3.10	20.9	0.0	212.9	
2.00		1.00	0.70	6.129	6.742	154.60	1.000	0.000	1.00	3.086	3.09	20.8	0.0	212.2	
3.00		1.00	0.70	6.129	6.742	153.95	1.000	0.000	1.00	3.073	3.07	20.7	0.0	211.6	
4.00		1.00	0.70	6.129	6.742	153.29	1.000	0.000	1.00	3.060	3.06	20.6	0.0	211.0	
5.00		1.00	0.70	6.129	6.742	152.64	1.200	*	0.000	1.00	3.047	3.66	24.7	0.0	210.4
6.00		1.00	0.70	6.129	6.742	151.99	1.200	*	0.000	1.00	3.034	3.64	24.5	0.0	209.8
7.00		1.00	0.70	6.129	6.742	151.34	1.200	*	0.000	1.00	3.021	3.63	24.4	0.0	209.2
8.00		1.00	0.70	6.129	6.742	150.68	1.200	*	0.000	1.00	3.008	3.61	24.3	0.0	208.5
9.00		1.00	0.70	6.129	6.742	150.03	1.200	*	0.000	1.00	2.995	3.59	24.2	0.0	207.9
10.00		1.00	0.70	6.129	6.742	149.38	1.200	*	0.000	1.00	2.982	3.58	24.1	0.0	207.3
11.00		1.00	0.70	6.129	6.742	148.72	1.200	*	0.000	1.00	2.969	3.56	24.0	0.0	206.7
12.00		1.00	0.70	6.129	6.742	148.07	1.200	*	0.000	1.00	2.956	3.55	23.9	0.0	206.1
13.00		1.00	0.70	6.129	6.742	147.42	1.200	*	0.000	1.00	2.943	3.53	23.8	0.0	205.4
14.00		1.00	0.70	6.129	6.742	146.76	1.200	*	0.000	1.00	2.930	3.52	23.7	0.0	204.8
15.00		1.00	0.70	6.129	6.742	146.11	1.200	*	0.000	1.00	2.917	3.50	23.6	0.0	204.2
16.00		1.00	0.70	6.129	6.742	145.46	1.200	*	0.000	1.00	2.904	3.49	23.5	0.0	203.6
17.00		1.00	0.70	6.129	6.742	144.80	1.200	*	0.000	1.00	2.891	3.47	23.4	0.0	203.0
18.00		1.00	0.70	6.129	6.742	144.15	1.200	*	0.000	1.00	2.878	3.45	23.3	0.0	202.3
19.00		1.00	0.70	6.129	6.742	143.50	1.200	*	0.000	1.00	2.865	3.44	23.2	0.0	201.7
20.00		1.00	0.70	6.129	6.742	142.84	1.200	*	0.000	1.00	2.852	3.42	23.1	0.0	201.1
21.00		1.00	0.70	6.129	6.742	142.19	1.200	*	0.000	1.00	2.839	3.41	23.0	0.0	200.5
22.00		1.00	0.70	6.129	6.742	141.54	1.200	*	0.000	1.00	2.826	3.39	22.9	0.0	199.9
23.00		1.00	0.70	6.129	6.742	140.89	1.200	*	0.000	1.00	2.813	3.38	22.8	0.0	199.2
24.00		1.00	0.70	6.129	6.742	140.23	1.200	*	0.000	1.00	2.800	3.36	22.7	0.0	198.6
25.00		1.00	0.70	6.129	6.742	139.58	1.200	*	0.000	1.00	2.787	3.34	22.5	0.0	198.0
26.00		1.00	0.70	6.129	6.742	138.93	1.200	*	0.000	1.00	2.774	3.33	22.4	0.0	197.4
27.00		1.00	0.70	6.129	6.742	138.27	1.200	*	0.000	1.00	2.761	3.31	22.3	0.0	196.8
28.00		1.00	0.70	6.129	6.742	137.62	1.200	*	0.000	1.00	2.748	3.30	22.2	0.0	196.1
29.00		1.00	0.70	6.129	6.742	136.97	1.200	*	0.000	1.00	2.735	3.28	22.1	0.0	195.5
30.00		1.00	0.70	6.134	6.747	136.37	1.200	*	0.000	1.00	2.722	3.27	22.0	0.0	194.9
31.00		1.00	0.70	6.192	6.811	136.36	1.200	*	0.000	1.00	2.709	3.25	22.1	0.0	194.3
31.50	Bot - Section 2	1.00	0.71	6.220	6.842	136.34	1.200	*	0.50	1.359	1.63	11.2	0.0	97.6	
32.00		1.00	0.71	6.248	6.873	136.32	1.200	*	0.50	1.364	1.64	11.3	0.0	149.7	
33.00		1.00	0.72	6.303	6.933	136.25	1.200	*	0.000	1.00	2.737	3.28	22.8	0.0	300.6
34.00	Appertunance(s)	1.00	0.72	6.357	6.993	136.17	1.200	*	0.000	1.00	2.724	3.27	22.9	0.0	299.5
35.00	Appertunance(s)	1.00	0.73	6.410	7.051	136.07	1.200	*	0.000	1.00	2.711	3.25	22.9	0.0	298.3
35.67	Top - Section 1	1.00	0.73	6.445	7.089	135.99	1.200	*	0.67	1.809	2.17	15.4	0.0	199.2	
36.00		1.00	0.73	6.462	7.108	138.73	1.200	*	0.33	0.889	1.07	7.6	0.0	57.0	
37.00		1.00	0.74	6.513	7.164	138.60	1.200	*	0.000	1.00	2.685	3.22	23.1	0.0	172.3
38.00		1.00	0.75	6.562	7.219	138.45	1.200	*	0.000	1.00	2.672	3.21	23.1	0.0	171.8
39.00		1.00	0.75	6.611	7.272	138.29	1.200	*	0.000	1.00	2.659	3.19	23.2	0.0	171.3
40.00		1.00	0.76	6.659	7.325	138.11	1.200	*	0.000	1.00	2.646	3.18	23.3	0.0	170.7
41.00		1.00	0.76	6.706	7.377	137.91	1.200	*	0.000	1.00	2.633	3.16	23.3	0.0	170.2
42.00		1.00	0.77	6.753	7.428	137.70	1.200	*	0.000	1.00	2.620	3.14	23.4	0.0	169.7
43.00		1.00	0.77	6.798	7.478	137.48	1.200	*	0.000	1.00	2.607	3.13	23.4	0.0	169.2
44.00		1.00	0.78	6.843	7.527	137.24	1.200	*	0.000	1.00	2.594	3.11	23.4	0.0	168.7
45.00		1.00	0.78	6.887	7.576	136.99	1.200	*	0.000	1.00	2.581	3.10	23.5	0.0	168.2
46.00		1.00	0.79	6.931	7.624	136.72	1.200	*	0.000	1.00	2.568	3.08	23.5	0.0	167.6
47.00		1.00	0.79	6.973	7.671	136.45	1.200	*	0.000	1.00	2.555	3.07	23.5	0.0	167.1
48.00		1.00	0.80	7.015	7.717	136.16	1.200	*	0.000	1.00	2.542	3.05	23.5	0.0	166.6

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



8/28/2014 1:41:57 PM  
 Page: 55

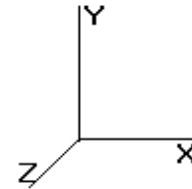
© 2007 - 2014 by ATC IP LLC. All rights reserved.

<b>Load Case: 1.0D + 1.0W</b>	<b>60.00 mph Serviceability</b>	<b>34 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

49.00		1.00	0.80	7.057	7.763	135.86	1.200	* 0.000	1.00	2.529	3.03	23.6	0.0	166.1
50.00		1.00	0.81	7.098	7.807	135.55	1.200	* 0.000	1.00	2.516	3.02	23.6	0.0	165.6
51.00		1.00	0.81	7.138	7.852	135.23	1.200	* 0.000	1.00	2.503	3.00	23.6	0.0	165.1
52.00		1.00	0.82	7.178	7.895	134.90	1.200	* 0.000	1.00	2.490	2.99	23.6	0.0	164.5
53.00		1.00	0.82	7.217	7.939	134.56	1.200	* 0.000	1.00	2.477	2.97	23.6	0.0	164.0
54.00		1.00	0.82	7.255	7.981	134.21	1.200	* 0.000	1.00	2.464	2.96	23.6	0.0	163.5
55.00		1.00	0.83	7.294	8.023	133.85	1.200	* 0.000	1.00	2.451	2.94	23.6	0.0	163.0
56.00		1.00	0.83	7.331	8.064	133.48	1.200	* 0.000	1.00	2.438	2.93	23.6	0.0	162.5
57.00		1.00	0.84	7.368	8.105	133.10	1.200	* 0.000	1.00	2.425	2.91	23.6	0.0	162.0
58.00		1.00	0.84	7.405	8.146	132.71	1.200	* 0.000	1.00	2.412	2.89	23.6	0.0	161.4
59.00		1.00	0.85	7.441	8.186	132.32	1.200	* 0.000	1.00	2.399	2.88	23.6	0.0	160.9
60.00		1.00	0.85	7.477	8.225	131.92	1.200	* 0.000	1.00	2.386	2.86	23.5	0.0	160.4
61.00		1.00	0.85	7.513	8.264	131.50	1.200	* 0.000	1.00	2.373	2.85	23.5	0.0	159.9
62.00		1.00	0.86	7.548	8.302	131.09	1.200	* 0.000	1.00	2.360	2.83	23.5	0.0	159.4
63.00		1.00	0.86	7.582	8.340	130.66	1.200	* 0.000	1.00	2.347	2.82	23.5	0.0	158.9
64.00		1.00	0.87	7.616	8.378	130.22	1.200	* 0.000	1.00	2.334	2.80	23.5	0.0	158.3
65.00		1.00	0.87	7.650	8.415	129.78	1.200	* 0.000	1.00	2.321	2.78	23.4	0.0	157.8
66.00		1.00	0.87	7.684	8.452	129.34	1.200	* 0.000	1.00	2.308	2.77	23.4	0.0	157.3
67.00		1.00	0.88	7.717	8.488	128.88	1.200	* 0.000	1.00	2.295	2.75	23.4	0.0	156.8
68.00		1.00	0.88	7.749	8.524	128.42	1.200	* 0.000	1.00	2.282	2.74	23.3	0.0	156.3
69.00		1.00	0.88	7.782	8.560	127.95	1.200	* 0.000	1.00	2.269	2.72	23.3	0.0	155.8
70.00		1.00	0.89	7.814	8.595	127.48	1.200	* 0.000	1.00	2.256	2.71	23.3	0.0	155.2
70.05	Bot - Section 3	1.00	0.89	7.816	8.597	127.45	1.200	* 0.000	0.05	0.120	0.14	1.2	0.0	8.3
71.00		1.00	0.89	7.846	8.630	127.00	1.200	* 0.000	0.95	2.163	2.60	22.4	0.0	214.5
72.00		1.00	0.90	7.877	8.665	126.51	1.200	* 0.000	1.00	2.273	2.73	23.6	0.0	225.7
73.00		1.00	0.90	7.908	8.699	126.02	1.200	* 0.000	1.00	2.260	2.71	23.6	0.0	224.8
73.55	Top - Section 2	1.00	0.90	7.925	8.718	125.74	1.200	* 0.000	0.55	1.245	1.49	13.0	0.0	124.0
74.00		1.00	0.90	7.939	8.733	127.99	1.200	* 0.000	0.45	1.002	1.20	10.5	0.0	61.3
75.00		1.00	0.91	7.969	8.766	127.49	1.200	* 0.000	1.00	2.234	2.68	23.5	0.0	137.0
76.00		1.00	0.91	8.000	8.800	126.98	1.200	* 0.000	1.00	2.221	2.66	23.4	0.0	136.6
77.00		1.00	0.91	8.030	8.833	126.47	1.200	* 0.000	1.00	2.208	2.65	23.4	0.0	136.2
78.00		1.00	0.92	8.059	8.865	125.96	1.200	* 0.000	1.00	2.195	2.63	23.3	0.0	135.8
79.00		1.00	0.92	8.089	8.897	125.44	1.200	* 0.000	1.00	2.182	2.62	23.3	0.0	135.4
80.00		1.00	0.92	8.118	8.930	124.91	1.200	* 0.000	1.00	2.169	2.60	23.2	0.0	135.0
81.00		1.00	0.93	8.147	8.961	124.38	1.200	* 0.000	1.00	2.156	2.59	23.2	0.0	134.6
82.00		1.00	0.93	8.175	8.993	123.84	1.200	* 0.000	1.00	2.143	2.57	23.1	0.0	134.1
83.00		1.00	0.93	8.204	9.024	123.30	1.200	* 0.000	1.00	2.130	2.56	23.1	0.0	133.7
84.00		1.00	0.94	8.232	9.055	122.76	1.200	* 0.000	1.00	2.117	2.54	23.0	0.0	133.3
85.00	Reinf. Top	1.00	0.94	8.260	9.086	122.20	1.200	* 0.000	1.00	2.104	2.52	22.9	0.0	132.9
86.00		1.00	0.94	8.287	9.116	121.65	1.200	* 0.000	1.00	2.091	2.51	22.9	0.0	65.7
87.00		1.00	0.95	8.315	9.146	121.09	1.200	* 0.000	1.00	2.078	2.49	22.8	0.0	65.3
88.00		1.00	0.95	8.342	9.176	120.53	1.200	* 0.000	1.00	2.065	2.48	22.7	0.0	64.9
89.00		1.00	0.95	8.369	9.206	119.96	1.200	* 0.000	1.00	2.052	2.46	22.7	0.0	64.5
90.00		1.00	0.95	8.396	9.235	119.38	1.200	* 0.000	1.00	2.038	2.45	22.6	0.0	64.0
91.00		1.00	0.96	8.422	9.264	118.81	1.200	* 0.000	1.00	2.025	2.43	22.5	0.0	63.6
92.00		1.00	0.96	8.448	9.293	118.23	1.000	0.000	1.00	2.012	2.01	18.7	0.0	63.2
93.00		1.00	0.96	8.475	9.322	117.64	1.000	0.000	1.00	1.999	2.00	18.6	0.0	62.8
94.00		1.00	0.97	8.501	9.351	117.05	1.000	0.000	1.00	1.986	1.99	18.6	0.0	62.4
95.00		1.00	0.97	8.526	9.379	116.46	1.000	0.000	1.00	1.973	1.97	18.5	0.0	62.0
96.00		1.00	0.97	8.552	9.407	115.86	1.000	0.000	1.00	1.960	1.96	18.4	0.0	61.6
97.00		1.00	0.98	8.577	9.435	115.26	1.000	0.000	1.00	1.947	1.95	18.4	0.0	61.1
98.00		1.00	0.98	8.602	9.463	114.66	1.000	0.000	1.00	1.934	1.93	18.3	0.0	60.7
99.00		1.00	0.98	8.627	9.490	114.05	1.000	0.000	1.00	1.921	1.92	18.2	0.0	60.3
100.0		1.00	0.98	8.652	9.517	113.44	1.000	0.000	1.00	1.908	1.91	18.2	0.0	59.9
101.0		1.00	0.99	8.677	9.544	112.82	1.000	0.000	1.00	1.895	1.90	18.1	0.0	59.5
102.0		1.00	0.99	8.701	9.571	112.20	1.000	0.000	1.00	1.882	1.88	18.0	0.0	59.1
103.0		1.00	0.99	8.726	9.598	111.58	1.000	0.000	1.00	1.869	1.87	17.9	0.0	58.7

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



8/28/2014 1:41:57 PM  
 Page: 56

© 2007 - 2014 by ATC IP LLC. All rights reserved.

<b>Load Case:</b> 1.0D + 1.0W	<b>60.00 mph Serviceability</b>	<b>34 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

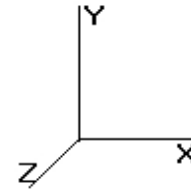
104.0		1.00	0.99	8.750	9.625	110.95	1.000	0.000	1.00	1.856	1.86	17.9	0.0	58.3	
105.0		1.00	1.00	8.774	9.651	110.32	1.000	0.000	1.00	1.843	1.84	17.8	0.0	57.8	
106.0		1.00	1.00	8.797	9.677	109.69	1.000	0.000	1.00	1.830	1.83	17.7	0.0	57.4	
107.0		1.00	1.00	8.821	9.703	109.05	1.000	0.000	1.00	1.817	1.82	17.6	0.0	57.0	
108.0		1.00	1.01	8.845	9.729	108.41	1.000	0.000	1.00	1.804	1.80	17.6	0.0	56.6	
109.0		1.00	1.01	8.868	9.755	107.77	1.000	0.000	1.00	1.791	1.79	17.5	0.0	56.2	
110.0		1.00	1.01	8.891	9.780	107.12	1.000	0.000	1.00	1.778	1.78	17.4	0.0	55.8	
110.0	Top - Section 3	1.00	1.01	8.892	9.781	107.09	1.000	0.000	0.05	0.094	0.09	0.9	0.0	3.0	
111.0		1.00	1.01	8.914	9.805	106.48	1.000	0.000	0.95	1.671	1.67	16.4	0.0	39.4	
112.0		1.00	1.02	8.937	9.831	105.82	1.000	0.000	1.00	1.752	1.75	17.2	0.0	41.3	
113.0		1.00	1.02	8.960	9.856	105.17	1.000	0.000	1.00	1.739	1.74	17.1	0.0	41.0	
114.0		1.00	1.02	8.982	9.880	104.51	1.000	0.000	1.00	1.726	1.73	17.1	0.0	40.7	
115.0		1.00	1.02	9.005	9.905	103.85	1.000	0.000	1.00	1.713	1.71	17.0	0.0	40.4	
116.0		1.00	1.03	9.027	9.930	103.18	1.000	0.000	1.00	1.700	1.70	16.9	0.0	40.1	
117.0		1.00	1.03	9.049	9.954	102.52	1.000	0.000	1.00	1.687	1.69	16.8	0.0	39.8	
118.0	Appertunance(s)	1.00	1.03	9.071	9.978	101.85	1.000	0.000	1.00	1.674	1.67	16.7	0.0	39.5	
119.0		1.00	1.03	9.093	10.00	101.17	1.000	0.000	1.00	1.661	1.66	16.6	0.0	39.2	
120.0		1.00	1.04	9.115	10.02	100.50	1.000	0.000	1.00	1.648	1.65	16.5	0.0	38.9	
121.0		1.00	1.04	9.136	10.05	99.826	1.000	*	0.000	1.00	1.635	1.64	16.4	0.0	38.6
122.0		1.00	1.04	9.158	10.07	99.145	1.000	*	0.000	1.00	1.622	1.62	16.3	0.0	38.2
123.0		1.00	1.04	9.179	10.09	98.461	1.000	*	0.000	1.00	1.609	1.61	16.2	0.0	37.9
124.0		1.00	1.05	9.201	10.12	97.775	1.000	*	0.000	1.00	1.596	1.60	16.2	0.0	37.6
125.0		1.00	1.05	9.222	10.14	97.086	1.000	*	0.000	1.00	1.583	1.58	16.1	0.0	37.3
126.0		1.00	1.05	9.243	10.16	96.395	1.000	*	0.000	1.00	1.570	1.57	16.0	0.0	37.0
127.0		1.00	1.05	9.264	10.19	95.701	1.000	*	0.000	1.00	1.557	1.56	15.9	0.0	36.7
128.0	Appertunance(s)	1.00	1.06	9.284	10.21	95.004	1.000	*	0.000	1.00	1.544	1.54	15.8	0.0	36.4
129.0		1.00	1.06	9.305	10.23	94.305	1.000	0.000	1.00	1.531	1.53	15.7	0.0	36.1	
130.0		1.00	1.06	9.326	10.25	93.603	1.000	0.000	1.00	1.518	1.52	15.6	0.0	35.8	
131.0		1.00	1.06	9.346	10.28	92.900	1.000	0.000	1.00	1.505	1.51	15.5	0.0	35.5	
132.0		1.00	1.07	9.366	10.30	92.193	1.000	0.000	1.00	1.492	1.49	15.4	0.0	35.1	
133.0		1.00	1.07	9.387	10.32	91.484	1.000	0.000	1.00	1.479	1.48	15.3	0.0	34.8	
134.0		1.00	1.07	9.407	10.34	90.773	1.000	0.000	1.00	1.466	1.47	15.2	0.0	34.5	
135.0		1.00	1.07	9.427	10.36	90.060	1.000	0.000	1.00	1.453	1.45	15.1	0.0	34.2	
136.0		1.00	1.07	9.447	10.39	89.344	1.000	0.000	1.00	1.440	1.44	15.0	0.0	33.9	
137.0		1.00	1.08	9.466	10.41	88.626	1.000	0.000	1.00	1.427	1.43	14.9	0.0	33.6	
138.0	Appertunance(s)	1.00	1.08	9.486	10.43	87.905	1.000	0.000	1.00	1.414	1.41	14.8	0.0	33.3	
139.0		1.00	1.08	9.506	10.45	87.183	1.000	0.000	1.00	1.401	1.40	14.6	0.0	33.0	
140.0		1.00	1.08	9.525	10.47	86.458	1.000	0.000	1.00	1.388	1.39	14.5	0.0	32.7	
141.0		1.00	1.09	9.545	10.49	85.731	1.000	0.000	1.00	1.375	1.37	14.4	0.0	32.4	
142.0		1.00	1.09	9.564	10.52	85.001	1.000	0.000	1.00	1.362	1.36	14.3	0.0	32.0	
143.0		1.00	1.09	9.583	10.54	84.270	1.000	0.000	1.00	1.349	1.35	14.2	0.0	31.7	
144.0		1.00	1.09	9.602	10.56	83.536	1.000	0.000	1.00	1.336	1.34	14.1	0.0	31.4	
145.0		1.00	1.09	9.621	10.58	82.801	1.000	0.000	1.00	1.323	1.32	14.0	0.0	31.1	
146.0		1.00	1.10	9.640	10.60	82.063	1.000	0.000	1.00	1.310	1.31	13.9	0.0	30.8	
147.0		1.00	1.10	9.659	10.62	81.323	1.000	0.000	1.00	1.297	1.30	13.8	0.0	30.5	
148.0		1.00	1.10	9.678	10.64	80.581	1.000	0.000	1.00	1.284	1.28	13.7	0.0	30.2	
149.0		1.00	1.10	9.696	10.66	79.837	1.000	0.000	1.00	1.271	1.27	13.6	0.0	29.9	
150.0	Appertunance(s)	1.00	1.11	9.715	10.68	79.091	1.000	0.000	1.00	1.258	1.26	13.4	0.0	29.6	

\* = Cf Adjusted By Linear Load Ra Effect

Totals: 150.00 3,071.5 0.0 18,567.5

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.0D + 1.0W      60.00 mph Serviceability      34 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.00

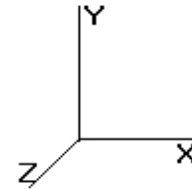
Wind Load Factor : 1.00

**Discrete Appurtenance Segment Forces (Factored)**

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orientation Factor	Ka	Total EPAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
34.00	GPS	1	6.357	6.993	1.00	1.00	1.00	0.000	0.000	6.99	0.00	0.00	10.00
34.00	Stand-off	1	6.357	6.993	1.00	1.00	2.00	0.000	0.000	13.99	0.00	0.00	50.00
35.00	Stand-off	1	6.410	7.051	1.00	1.00	2.00	0.000	0.000	14.10	0.00	0.00	50.00
35.00	GPS	1	6.410	7.051	1.00	1.00	1.00	0.000	0.000	7.05	0.00	0.00	10.00
118.0	Argus LLPX310R	3	9.071	9.978	0.63	0.80	6.49	0.000	0.000	64.72	0.00	0.00	85.80
118.0	Clearwire Mount	1	9.071	9.978	1.00	1.00	8.50	0.000	0.000	84.82	0.00	0.00	40.00
118.0	DragonWave A-ANT-	1	9.071	9.978	1.00	1.00	1.61	0.000	0.000	16.07	0.00	0.00	15.00
118.0	DragonWave A-ANT-	2	9.071	9.978	1.00	1.00	9.38	0.000	0.000	93.60	0.00	0.00	24.60
118.0	DragonWave Horizon	3	9.071	9.978	0.50	0.80	0.52	0.000	0.000	5.15	0.00	0.00	31.80
118.0	Generic 12" x 12" Ju	1	9.071	9.978	0.50	1.00	0.60	0.000	0.000	5.99	0.00	0.00	10.00
118.0	NextNet BTS-2500	3	9.071	9.978	0.50	1.00	2.73	0.000	0.000	27.24	0.00	0.00	105.00
128.0	Ericsson AIR 21, 1.3	3	9.284	10.213	0.70	0.80	10.21	0.000	0.000	104.32	0.00	0.00	274.50
128.0	Ericsson AIR 21, 1.3	3	9.284	10.213	0.70	0.80	10.15	0.000	0.000	103.63	0.00	0.00	271.20
128.0	Round Sector Frame	1	9.284	10.213	0.75	0.75	5.63	0.000	0.000	57.45	0.00	0.00	300.00
138.0	Alcatel-Lucent 4X40W	6	9.486	10.435	0.50	0.80	5.57	0.000	0.000	58.10	0.00	0.00	357.00
138.0	Alcatel-Lucent 800 M	3	9.486	10.435	0.50	0.80	3.00	0.000	0.000	31.30	0.00	0.00	185.40
138.0	RFS APXV9ERR18-C-	2	9.486	10.435	0.71	0.80	9.11	0.000	0.000	95.07	0.00	0.00	124.00
138.0	RFS APXVSP18-C-	1	9.486	10.435	0.69	0.80	4.56	0.000	0.000	47.58	0.00	0.00	57.00
138.0	RFS IBC1900BB-1	3	9.486	10.435	0.50	0.80	1.16	0.000	0.000	12.15	0.00	0.00	66.00
138.0	RFS IBC1900HG-2A	3	9.486	10.435	0.50	0.80	1.16	0.000	0.000	12.15	0.00	0.00	66.00
138.0	T-Arms	3	9.486	10.435	0.67	0.75	7.54	0.000	0.000	78.65	0.00	0.00	750.00
138.0	RFS APXVTM14-C-I20	3	9.486	10.435	0.66	0.80	10.04	0.000	0.000	104.79	0.00	0.00	158.70
138.0	Alcatel-Lucent TD-RR	3	9.486	10.435	0.50	0.80	4.86	0.000	0.000	50.71	0.00	0.00	180.00
150.0	6' Omni	1	9.806	10.787	1.00	1.00	1.76	0.000	5.000	18.98	0.00	94.92	35.00
150.0	ADC DD1900	12	9.806	10.787	0.50	0.75	4.91	0.000	5.000	52.91	0.00	264.55	145.20
150.0	CSS DUO4-8670	6	9.806	10.787	0.70	0.75	18.24	0.000	5.000	196.74	0.00	983.69	231.00
150.0	Ericsson RRUS 11	6	9.733	10.707	0.50	0.75	5.67	0.000	1.000	60.71	0.00	60.71	330.00
150.0	Kathrein 860 10025	6	9.806	10.787	0.50	1.00	0.54	0.000	5.000	5.82	0.00	29.12	7.20
150.0	KMW AM-X-CD-16-65-	3	9.806	10.787	0.79	0.75	14.26	0.000	5.000	153.77	0.00	768.87	145.50
150.0	Flat Platform w/ Han	1	9.715	10.686	1.00	1.00	38.00	0.000	0.000	406.08	0.00	0.00	2,000.00
150.0	Raycap DC6-48-60-18-	1	9.733	10.707	1.00	1.00	1.28	0.000	1.000	13.70	0.00	13.70	31.80
										2,004.33			6,147.70

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.0D + 1.0W      60.00 mph Serviceability      34 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.00

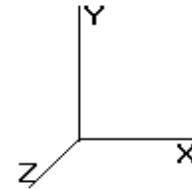
Wind Load Factor : 1.00

**Linear Appurtenance Segment Forces (Factored)**

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.219	0.000	1.33	4.92
5.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.219	0.000	4.06	0.00
5.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.219	0.000	0.00	0.15
5.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.219	0.000	0.00	0.15
6.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.220	0.000	1.33	4.92
6.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.220	0.000	4.06	0.00
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.220	0.000	0.00	0.15
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.220	0.000	0.00	0.15
7.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.221	0.000	1.33	4.92
7.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.221	0.000	4.06	0.00
7.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.221	0.000	0.00	0.15
7.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.221	0.000	0.00	0.15
8.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.222	0.000	1.33	4.92
8.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.222	0.000	4.06	0.00
8.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.222	0.000	0.00	0.15
8.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.222	0.000	0.00	0.15
9.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.223	0.000	1.33	4.92
9.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.223	0.000	4.06	0.00
9.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.223	0.000	0.00	0.15
9.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.223	0.000	0.00	0.15
10.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.224	0.000	1.33	4.92
10.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.224	0.000	4.06	0.00
10.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.224	0.000	0.00	0.15
10.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.224	0.000	0.00	0.15
11.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.225	0.000	1.33	4.92
11.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.225	0.000	4.06	0.00
11.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.225	0.000	0.00	0.15
11.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.225	0.000	0.00	0.15
12.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.226	0.000	1.33	4.92
12.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.226	0.000	4.06	0.00
12.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.226	0.000	0.00	0.15
12.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.226	0.000	0.00	0.15
13.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.227	0.000	1.33	4.92
13.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.227	0.000	4.06	0.00
13.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.227	0.000	0.00	0.15
13.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.227	0.000	0.00	0.15
14.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.228	0.000	1.33	4.92
14.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.228	0.000	4.06	0.00
14.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.228	0.000	0.00	0.15
14.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.228	0.000	0.00	0.15
15.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.229	0.000	1.33	4.92
15.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.229	0.000	4.06	0.00
15.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.229	0.000	0.00	0.15
15.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.229	0.000	0.00	0.15
16.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.230	0.000	1.33	4.92
16.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.230	0.000	4.06	0.00
16.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.230	0.000	0.00	0.15
16.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.230	0.000	0.00	0.15
17.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.231	0.000	1.33	4.92
17.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.231	0.000	4.06	0.00
17.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.231	0.000	0.00	0.15

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

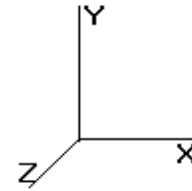


**Load Case:** 1.0D + 1.0W      **60.00 mph Serviceability**      **34 Iterations**  
**Gust Response Factor : 1.10**      **Wind Importance Factor : 1.00**  
**Dead Load Factor : 1.00**  
**Wind Load Factor : 1.00**

17.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.231	0.000	0.00	0.15
18.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.232	0.000	1.33	4.92
18.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.232	0.000	4.06	0.00
18.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.232	0.000	0.00	0.15
18.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.232	0.000	0.00	0.15
19.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.233	0.000	1.33	4.92
19.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.233	0.000	4.06	0.00
19.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.233	0.000	0.00	0.15
19.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.233	0.000	0.00	0.15
20.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.234	0.000	1.33	4.92
20.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.234	0.000	4.06	0.00
20.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.234	0.000	0.00	0.15
20.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.234	0.000	0.00	0.15
21.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.235	0.000	1.33	4.92
21.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.235	0.000	4.06	0.00
21.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.235	0.000	0.00	0.15
21.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.235	0.000	0.00	0.15
22.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.236	0.000	1.33	4.92
22.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.236	0.000	4.06	0.00
22.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.236	0.000	0.00	0.15
22.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.236	0.000	0.00	0.15
23.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.237	0.000	1.33	4.92
23.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.237	0.000	4.06	0.00
23.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.237	0.000	0.00	0.15
23.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.237	0.000	0.00	0.15
24.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.238	0.000	1.33	4.92
24.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.238	0.000	4.06	0.00
24.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.238	0.000	0.00	0.15
24.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.238	0.000	0.00	0.15
25.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.239	0.000	1.33	4.92
25.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.239	0.000	4.06	0.00
25.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.239	0.000	0.00	0.15
25.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.239	0.000	0.00	0.15
26.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.240	0.000	1.33	4.92
26.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.240	0.000	4.06	0.00
26.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.240	0.000	0.00	0.15
26.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.240	0.000	0.00	0.15
27.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.241	0.000	1.33	4.92
27.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.241	0.000	4.06	0.00
27.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.241	0.000	0.00	0.15
27.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.241	0.000	0.00	0.15
28.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.243	0.000	1.33	4.92
28.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.243	0.000	4.06	0.00
28.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.243	0.000	0.00	0.15
28.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.243	0.000	0.00	0.15
29.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.129	0.244	0.000	1.33	4.92
29.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.129	0.244	0.000	4.06	0.00
29.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.244	0.000	0.00	0.15
29.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.244	0.000	0.00	0.15
30.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.134	0.245	0.000	1.34	4.92
30.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.134	0.245	0.000	4.06	0.00
30.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.134	0.245	0.000	0.00	0.15
30.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.134	0.245	0.000	0.00	0.15
31.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.192	0.246	0.000	1.35	4.92
31.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.192	0.246	0.000	4.10	0.00
31.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.192	0.246	0.000	0.00	0.15
31.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.192	0.246	0.000	0.00	0.15

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

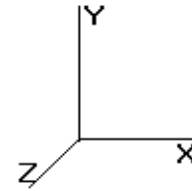


<b>Load Case:</b> 1.0D + 1.0W	<b>60.00 mph Serviceability</b>	<b>34 Iterations</b>
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

31.50	(6) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	6.220	0.247	0.000	0.68	2.48
31.50	(4) #20 Dywidag Bars	Yes	0.50	1.200	6.02	0.25	0.30	6.220	0.247	0.000	2.07	0.00
31.50	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.220	0.247	0.000	0.00	0.08
31.50	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.220	0.247	0.000	0.00	0.08
32.00	(6) 1 5/8" Coax	Yes	0.50	1.200	1.98	0.08	0.10	6.248	0.248	0.000	0.68	2.44
32.00	(4) #20 Dywidag Bars	Yes	0.50	1.200	6.02	0.25	0.30	6.248	0.248	0.000	2.05	0.00
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.248	0.248	0.000	0.00	0.07
32.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.248	0.248	0.000	0.00	0.07
33.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.303	0.248	0.000	1.37	4.92
33.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.303	0.248	0.000	4.17	0.00
33.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.303	0.248	0.000	0.00	0.15
33.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.303	0.248	0.000	0.00	0.15
34.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.357	0.250	0.000	1.38	4.92
34.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.357	0.250	0.000	4.21	0.00
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.357	0.250	0.000	0.00	0.15
34.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.357	0.250	0.000	0.00	0.15
35.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.410	0.251	0.000	1.40	4.92
35.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.410	0.251	0.000	4.24	0.00
35.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.410	0.251	0.000	0.00	0.15
35.67	(6) 1 5/8" Coax	Yes	0.67	1.200	1.98	0.11	0.13	6.445	0.252	0.000	0.94	3.30
35.67	(4) #20 Dywidag Bars	Yes	0.67	1.200	6.02	0.34	0.40	6.445	0.252	0.000	2.86	0.00
36.00	(6) 1 5/8" Coax	Yes	0.33	1.200	1.98	0.05	0.07	6.462	0.248	0.000	0.46	1.62
36.00	(4) #20 Dywidag Bars	Yes	0.33	1.200	6.02	0.17	0.20	6.462	0.248	0.000	1.41	0.00
37.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.513	0.248	0.000	1.42	4.92
37.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.513	0.248	0.000	4.31	0.00
38.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.562	0.250	0.000	1.43	4.92
38.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.562	0.250	0.000	4.35	0.00
39.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.611	0.251	0.000	1.44	4.92
39.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.611	0.251	0.000	4.38	0.00
40.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.659	0.252	0.000	1.45	4.92
40.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.659	0.252	0.000	4.41	0.00
41.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.706	0.253	0.000	1.46	4.92
41.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.706	0.253	0.000	4.44	0.00
42.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.753	0.254	0.000	1.47	4.92
42.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.753	0.254	0.000	4.47	0.00
43.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.798	0.256	0.000	1.48	4.92
43.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.798	0.256	0.000	4.50	0.00
44.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.843	0.257	0.000	1.49	4.92
44.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.843	0.257	0.000	4.53	0.00
45.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.887	0.258	0.000	1.50	4.92
45.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.887	0.258	0.000	4.56	0.00
46.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.931	0.260	0.000	1.51	4.92
46.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.931	0.260	0.000	4.59	0.00
47.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	6.973	0.261	0.000	1.52	4.92
47.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	6.973	0.261	0.000	4.62	0.00
48.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.015	0.262	0.000	1.53	4.92
48.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.015	0.262	0.000	4.65	0.00
49.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.057	0.264	0.000	1.54	4.92
49.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.057	0.264	0.000	4.67	0.00
50.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.098	0.265	0.000	1.55	4.92
50.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.098	0.265	0.000	4.70	0.00
51.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.138	0.266	0.000	1.55	4.92
51.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.138	0.266	0.000	4.73	0.00
52.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.178	0.268	0.000	1.56	4.92
52.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.178	0.268	0.000	4.75	0.00
53.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.217	0.269	0.000	1.57	4.92
53.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.217	0.269	0.000	4.78	0.00

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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

34 Iterations

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

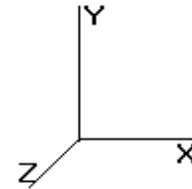
Wind Importance Factor : 1.00

54.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.255	0.271	0.000	1.58	4.92
54.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.255	0.271	0.000	4.80	0.00
55.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.294	0.272	0.000	1.59	4.92
55.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.294	0.272	0.000	4.83	0.00
56.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.331	0.273	0.000	1.60	4.92
56.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.331	0.273	0.000	4.85	0.00
57.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.368	0.275	0.000	1.60	4.92
57.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.368	0.275	0.000	4.88	0.00
58.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.405	0.276	0.000	1.61	4.92
58.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.405	0.276	0.000	4.90	0.00
59.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.441	0.278	0.000	1.62	4.92
59.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.441	0.278	0.000	4.93	0.00
60.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.477	0.279	0.000	1.63	4.92
60.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.477	0.279	0.000	4.95	0.00
61.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.513	0.281	0.000	1.64	4.92
61.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.513	0.281	0.000	4.97	0.00
62.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.548	0.283	0.000	1.64	4.92
62.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.548	0.283	0.000	5.00	0.00
63.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.582	0.284	0.000	1.65	4.92
63.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.582	0.284	0.000	5.02	0.00
64.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.616	0.286	0.000	1.66	4.92
64.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.616	0.286	0.000	5.04	0.00
65.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.650	0.287	0.000	1.67	4.92
65.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.650	0.287	0.000	5.07	0.00
66.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.684	0.289	0.000	1.67	4.92
66.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.684	0.289	0.000	5.09	0.00
67.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.717	0.291	0.000	1.68	4.92
67.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.717	0.291	0.000	5.11	0.00
68.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.749	0.292	0.000	1.69	4.92
68.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.749	0.292	0.000	5.13	0.00
69.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.782	0.294	0.000	1.69	4.92
69.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.782	0.294	0.000	5.15	0.00
70.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.814	0.296	0.000	1.70	4.92
70.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.814	0.296	0.000	5.17	0.00
70.05	(6) 1 5/8" Coax	Yes	0.05	1.200	1.98	0.01	0.01	7.816	0.296	0.000	0.09	0.26
70.05	(4) #20 Dywidag Bars	Yes	0.05	1.200	6.02	0.03	0.03	7.816	0.296	0.000	0.28	0.00
71.00	(6) 1 5/8" Coax	Yes	0.95	1.200	1.98	0.16	0.19	7.846	0.297	0.000	1.62	4.66
71.00	(4) #20 Dywidag Bars	Yes	0.95	1.200	6.02	0.47	0.57	7.846	0.297	0.000	4.92	0.00
72.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.877	0.299	0.000	1.72	4.92
72.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.877	0.299	0.000	5.22	0.00
73.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.908	0.301	0.000	1.72	4.92
73.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.908	0.301	0.000	5.24	0.00
73.55	(6) 1 5/8" Coax	Yes	0.55	1.200	1.98	0.09	0.11	7.925	0.302	0.000	0.96	2.72
73.55	(4) #20 Dywidag Bars	Yes	0.55	1.200	6.02	0.28	0.33	7.925	0.302	0.000	2.90	0.00
74.00	(6) 1 5/8" Coax	Yes	0.45	1.200	1.98	0.07	0.09	7.939	0.297	0.000	0.77	2.20
74.00	(4) #20 Dywidag Bars	Yes	0.45	1.200	6.02	0.22	0.27	7.939	0.297	0.000	2.35	0.00
75.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	7.969	0.298	0.000	1.74	4.92
75.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	7.969	0.298	0.000	5.28	0.00
76.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.000	0.300	0.000	1.74	4.92
76.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.000	0.300	0.000	5.30	0.00
77.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.030	0.302	0.000	1.75	4.92
77.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.030	0.302	0.000	5.32	0.00
78.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.059	0.304	0.000	1.76	4.92
78.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.059	0.304	0.000	5.34	0.00
79.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.089	0.306	0.000	1.76	4.92
79.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.089	0.306	0.000	5.36	0.00
80.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.118	0.307	0.000	1.77	4.92



Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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**      **34 Iterations**

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.00

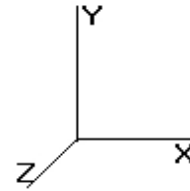
Wind Load Factor : 1.00

80.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.118	0.307	0.000	5.38	0.00
81.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.147	0.309	0.000	1.77	4.92
81.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.147	0.309	0.000	5.39	0.00
82.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.175	0.311	0.000	1.78	4.92
82.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.175	0.311	0.000	5.41	0.00
83.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.204	0.313	0.000	1.79	4.92
83.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.204	0.313	0.000	5.43	0.00
84.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.232	0.315	0.000	1.79	4.92
84.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.232	0.315	0.000	5.45	0.00
85.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.260	0.317	0.000	1.80	4.92
85.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.260	0.317	0.000	5.47	0.00
86.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.287	0.319	0.000	1.80	4.92
86.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.287	0.319	0.000	5.49	0.00
87.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.315	0.321	0.000	1.81	4.92
87.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.315	0.321	0.000	5.51	0.00
88.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.342	0.323	0.000	1.82	4.92
88.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.342	0.323	0.000	5.52	0.00
89.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.369	0.325	0.000	1.82	4.92
89.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.369	0.325	0.000	5.54	0.00
90.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.396	0.327	0.000	1.83	4.92
90.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.396	0.327	0.000	5.56	0.00
91.00	(6) 1 5/8" Coax	Yes	1.00	1.200	1.98	0.17	0.20	8.422	0.329	0.000	1.83	4.92
91.00	(4) #20 Dywidag Bars	Yes	1.00	1.200	6.02	0.50	0.60	8.422	0.329	0.000	5.58	0.00
92.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.448	0.082	0.000	0.00	4.92
93.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.475	0.083	0.000	0.00	4.92
94.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.501	0.083	0.000	0.00	4.92
95.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.526	0.084	0.000	0.00	4.92
96.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.552	0.084	0.000	0.00	4.92
97.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.577	0.085	0.000	0.00	4.92
98.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.602	0.085	0.000	0.00	4.92
99.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.627	0.086	0.000	0.00	4.92
100.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.652	0.086	0.000	0.00	4.92
101.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.677	0.087	0.000	0.00	4.92
102.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.701	0.088	0.000	0.00	4.92
103.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.726	0.088	0.000	0.00	4.92
104.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.750	0.089	0.000	0.00	4.92
105.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.774	0.090	0.000	0.00	4.92
106.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.797	0.090	0.000	0.00	4.92
107.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.821	0.091	0.000	0.00	4.92
108.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.845	0.091	0.000	0.00	4.92
109.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.868	0.092	0.000	0.00	4.92
110.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.891	0.093	0.000	0.00	4.92
110.0	(6) 1 5/8" Coax	Yes	0.05	0.000	1.98	0.01	0.00	8.892	0.093	0.000	0.00	0.26
111.0	(6) 1 5/8" Coax	Yes	0.95	0.000	1.98	0.16	0.00	8.914	0.093	0.000	0.00	4.66
112.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.937	0.094	0.000	0.00	4.92
113.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.960	0.095	0.000	0.00	4.92
114.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.982	0.096	0.000	0.00	4.92
115.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.005	0.096	0.000	0.00	4.92
116.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.027	0.097	0.000	0.00	4.92
117.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.049	0.098	0.000	0.00	4.92
118.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.071	0.099	0.000	0.00	4.92
119.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.093	0.099	0.000	0.00	4.92
120.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.115	0.100	0.000	0.00	4.92
121.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.136	0.101	1.003	0.00	4.92
122.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.158	0.102	1.005	0.00	4.92
123.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.179	0.103	1.008	0.00	4.92
124.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.201	0.103	1.010	0.00	4.92

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:58 PM  
 Page: 63



© 2007 - 2014 by ATC IP LLC. All rights reserved.

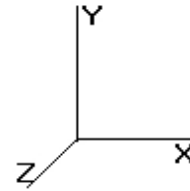
**Load Case:** 1.0D + 1.0W                      60.00 mph Serviceability                      34 Iterations  
 Gust Response Factor : 1.10                      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.00  
 Wind Load Factor : 1.00

125.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.222	0.104	1.013	0.00	4.92
126.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.243	0.105	1.015	0.00	4.92
127.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.264	0.106	1.018	0.00	4.92
128.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	9.284	0.107	1.021	0.00	4.92
<b>Totals:</b>											<b>539.82</b>	<b>619.16</b>

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:58 PM  
 Page: 64



© 2007 - 2014 by ATC IP LLC. All rights reserved.

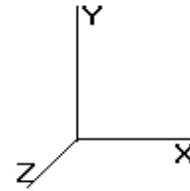
**Load Case:** 1.0D + 1.0W      60.00 mph Serviceability      34 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.00  
 Wind Load Factor : 1.00

### Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.00	20.89	212.87	0.00	0.00
2.00	20.81	212.25	0.00	0.00
3.00	20.72	211.63	0.00	0.00
4.00	20.63	211.01	0.00	0.00
5.00	30.05	238.97	0.00	0.00
6.00	29.94	238.35	0.00	0.00
7.00	29.83	237.73	0.00	0.00
8.00	29.73	237.11	0.00	0.00
9.00	29.62	236.49	0.00	0.00
10.00	29.52	235.87	0.00	0.00
11.00	29.41	235.25	0.00	0.00
12.00	29.31	234.63	0.00	0.00
13.00	29.20	234.01	0.00	0.00
14.00	29.10	233.39	0.00	0.00
15.00	28.99	232.77	0.00	0.00
16.00	28.89	232.15	0.00	0.00
17.00	28.78	231.53	0.00	0.00
18.00	28.68	230.91	0.00	0.00
19.00	28.57	230.29	0.00	0.00
20.00	28.47	229.67	0.00	0.00
21.00	28.36	229.05	0.00	0.00
22.00	28.26	228.43	0.00	0.00
23.00	28.15	227.82	0.00	0.00
24.00	28.05	227.20	0.00	0.00
25.00	27.94	226.58	0.00	0.00
26.00	27.83	225.96	0.00	0.00
27.00	27.73	225.34	0.00	0.00
28.00	27.62	224.72	0.00	0.00
29.00	27.52	224.10	0.00	0.00
30.00	27.44	223.48	0.00	0.00
31.00	27.59	222.86	0.00	0.00
31.50	13.91	111.94	0.00	0.00
32.00	13.98	163.91	0.00	0.00
33.00	28.32	329.17	0.00	0.00
34.00	49.43	388.04	0.00	0.00
35.00	49.73	386.75	0.00	0.00
35.67	19.19	218.19	0.00	0.00
36.00	9.46	66.30	0.00	0.00
37.00	28.81	200.57	0.00	0.00
38.00	28.92	200.05	0.00	0.00
39.00	29.02	199.54	0.00	0.00
40.00	29.12	199.02	0.00	0.00
41.00	29.21	198.50	0.00	0.00
42.00	29.29	197.99	0.00	0.00
43.00	29.38	197.47	0.00	0.00
44.00	29.45	196.95	0.00	0.00
45.00	29.52	196.44	0.00	0.00
46.00	29.59	195.92	0.00	0.00
47.00	29.65	195.40	0.00	0.00

Pole : 302473  
 Location : E H F R - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



© 2007 - 2014 by ATC IP LLC. All rights reserved.

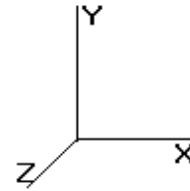
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	34 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

48.00	29.71	194.89	0.00	0.00
49.00	29.77	194.37	0.00	0.00
50.00	29.82	193.86	0.00	0.00
51.00	29.86	193.34	0.00	0.00
52.00	29.91	192.82	0.00	0.00
53.00	29.94	192.31	0.00	0.00
54.00	29.98	191.79	0.00	0.00
55.00	30.01	191.27	0.00	0.00
56.00	30.04	190.76	0.00	0.00
57.00	30.07	190.24	0.00	0.00
58.00	30.09	189.72	0.00	0.00
59.00	30.11	189.21	0.00	0.00
60.00	30.13	188.69	0.00	0.00
61.00	30.14	188.18	0.00	0.00
62.00	30.15	187.66	0.00	0.00
63.00	30.16	187.14	0.00	0.00
64.00	30.16	186.63	0.00	0.00
65.00	30.17	186.11	0.00	0.00
66.00	30.17	185.59	0.00	0.00
67.00	30.16	185.08	0.00	0.00
68.00	30.16	184.56	0.00	0.00
69.00	30.15	184.04	0.00	0.00
70.00	30.14	183.53	0.00	0.00
70.05	1.60	9.77	0.00	0.00
71.00	28.94	241.28	0.00	0.00
72.00	30.56	253.97	0.00	0.00
73.00	30.55	253.04	0.00	0.00
73.55	16.88	139.62	0.00	0.00
74.00	13.62	73.97	0.00	0.00
75.00	30.51	165.31	0.00	0.00
76.00	30.49	164.90	0.00	0.00
77.00	30.46	164.49	0.00	0.00
78.00	30.44	164.07	0.00	0.00
79.00	30.41	163.66	0.00	0.00
80.00	30.38	163.25	0.00	0.00
81.00	30.35	162.84	0.00	0.00
82.00	30.32	162.42	0.00	0.00
83.00	30.28	162.01	0.00	0.00
84.00	30.24	161.60	0.00	0.00
85.00	30.20	161.18	0.00	0.00
86.00	30.16	93.97	0.00	0.00
87.00	30.12	93.56	0.00	0.00
88.00	30.07	93.14	0.00	0.00
89.00	30.03	92.73	0.00	0.00
90.00	29.98	92.32	0.00	0.00
91.00	29.93	91.90	0.00	0.00
92.00	18.70	91.49	0.00	0.00
93.00	18.64	91.08	0.00	0.00
94.00	18.57	90.67	0.00	0.00
95.00	18.51	90.25	0.00	0.00
96.00	18.44	89.84	0.00	0.00
97.00	18.37	89.43	0.00	0.00
98.00	18.30	89.01	0.00	0.00
99.00	18.23	88.60	0.00	0.00
100.0	18.16	88.19	0.00	0.00
101.0	18.09	87.77	0.00	0.00
102.0	18.02	87.36	0.00	0.00

Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:58 PM  
 Page: 66



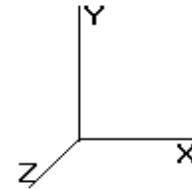
© 2007 - 2014 by ATC IP LLC. All rights reserved.

**Load Case:** 1.0D + 1.0W      60.00 mph Serviceability      34 Iterations  
 Gust Response Factor : 1.10      Wind Importance Factor : 1.00  
 Dead Load Factor : 1.00  
 Wind Load Factor : 1.00

103.0	17.94	86.95	0.00	0.00
104.0	17.87	86.53	0.00	0.00
105.0	17.79	86.12	0.00	0.00
106.0	17.71	85.71	0.00	0.00
107.0	17.63	85.30	0.00	0.00
108.0	17.55	84.88	0.00	0.00
109.0	17.47	84.47	0.00	0.00
110.0	17.39	84.06	0.00	0.00
110.0	0.92	4.47	0.00	0.00
111.0	16.38	66.19	0.00	0.00
112.0	17.23	69.62	0.00	0.00
113.0	17.14	69.31	0.00	0.00
114.0	17.06	69.00	0.00	0.00
115.0	16.97	68.69	0.00	0.00
116.0	16.88	68.38	0.00	0.00
117.0	16.79	68.07	0.00	0.00
118.0	314.28	379.96	0.00	0.00
119.0	16.62	63.08	0.00	0.00
120.0	16.53	62.77	0.00	0.00
121.0	16.43	62.46	0.00	0.00
122.0	16.34	62.15	0.00	0.00
123.0	16.25	61.84	0.00	0.00
124.0	16.15	61.53	0.00	0.00
125.0	16.06	61.22	0.00	0.00
126.0	15.96	60.91	0.00	0.00
127.0	15.87	60.60	0.00	0.00
128.0	281.17	905.99	0.00	0.00
129.0	15.67	53.76	0.00	0.00
130.0	15.57	53.46	0.00	0.00
131.0	15.47	53.15	0.00	0.00
132.0	15.37	52.84	0.00	0.00
133.0	15.27	52.53	0.00	0.00
134.0	15.17	52.22	0.00	0.00
135.0	15.07	51.91	0.00	0.00
136.0	14.96	51.60	0.00	0.00
137.0	14.86	51.29	0.00	0.00
138.0	505.25	1,995.08	0.00	0.00
139.0	14.65	46.67	0.00	0.00
140.0	14.54	46.36	0.00	0.00
141.0	14.44	46.05	0.00	0.00
142.0	14.33	45.74	0.00	0.00
143.0	14.22	45.43	0.00	0.00
144.0	14.11	45.12	0.00	0.00
145.0	14.00	44.81	0.00	0.00
146.0	13.89	44.50	0.00	0.00
147.0	13.78	44.19	0.00	0.00
148.0	13.67	43.88	0.00	0.00
149.0	13.56	43.57	0.00	0.00
150.0	922.17	2,968.96	0.00	2,215.57
<b>Totals:</b>	<b>5,615.61</b>	<b>28,528.42</b>	<b>0.00</b>	<b>2,215.57</b>

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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



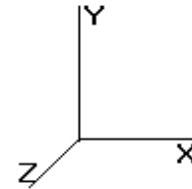
<b>Load Case:</b> 1.0D + 1.0W	60.00 mph Serviceability	34 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

**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	-28.53	-5.62	0.00	-544.35	0.00	544.35	3,058.44	1,529.22	4,486.20	2,215.57	0.00	0.00	0.156
1.00	-28.31	-5.60	0.00	-538.74	0.00	538.74	3,050.02	1,525.01	4,454.73	2,200.02	0.00	-0.01	0.155
2.00	-28.10	-5.59	0.00	-533.13	0.00	533.13	3,041.57	1,520.78	4,423.29	2,184.50	0.01	-0.03	0.154
3.00	-27.89	-5.57	0.00	-527.55	0.00	527.55	3,033.07	1,516.54	4,391.91	2,169.00	0.01	-0.04	0.153
4.00	-27.67	-5.56	0.00	-521.97	0.00	521.97	3,024.54	1,512.27	4,360.59	2,153.53	0.02	-0.05	0.153
5.00	-27.43	-5.54	0.00	-516.42	0.00	516.42	3,015.97	1,507.99	4,329.31	2,138.08	0.04	-0.07	0.152
6.00	-27.19	-5.51	0.00	-510.88	0.00	510.88	3,007.36	1,503.68	4,298.09	2,122.66	0.05	-0.08	0.151
7.00	-26.96	-5.49	0.00	-505.37	0.00	505.37	2,998.72	1,499.36	4,266.91	2,107.27	0.07	-0.09	0.150
8.00	-26.72	-5.46	0.00	-499.88	0.00	499.88	2,990.03	1,495.02	4,235.80	2,091.90	0.09	-0.11	0.149
9.00	-26.48	-5.44	0.00	-494.42	0.00	494.42	2,981.31	1,490.65	4,204.74	2,076.56	0.12	-0.12	0.148
10.00	-26.24	-5.42	0.00	-488.98	0.00	488.98	2,972.54	1,486.27	4,173.73	2,061.25	0.14	-0.13	0.147
11.00	-26.01	-5.39	0.00	-483.56	0.00	483.56	2,963.74	1,481.87	4,142.78	2,045.96	0.17	-0.15	0.146
12.00	-25.77	-5.37	0.00	-478.17	0.00	478.17	2,954.90	1,477.45	4,111.88	2,030.70	0.20	-0.16	0.145
13.00	-25.54	-5.34	0.00	-472.80	0.00	472.80	2,946.03	1,473.01	4,081.05	2,015.48	0.24	-0.17	0.144
14.00	-25.30	-5.32	0.00	-467.46	0.00	467.46	2,937.11	1,468.55	4,050.27	2,000.28	0.28	-0.19	0.144
15.00	-25.07	-5.30	0.00	-462.14	0.00	462.14	2,928.15	1,464.08	4,019.55	1,985.10	0.32	-0.20	0.143
16.00	-24.83	-5.27	0.00	-456.84	0.00	456.84	2,919.16	1,459.58	3,988.89	1,969.96	0.36	-0.22	0.142
17.00	-24.60	-5.25	0.00	-451.57	0.00	451.57	2,910.13	1,455.06	3,958.29	1,954.85	0.41	-0.23	0.141
18.00	-24.37	-5.22	0.00	-446.32	0.00	446.32	2,901.06	1,450.53	3,927.75	1,939.77	0.46	-0.24	0.140
19.00	-24.14	-5.20	0.00	-441.10	0.00	441.10	2,891.95	1,445.97	3,897.28	1,924.72	0.51	-0.26	0.139
20.00	-23.91	-5.18	0.00	-435.90	0.00	435.90	2,882.80	1,441.40	3,866.87	1,909.70	0.57	-0.27	0.138
21.00	-23.68	-5.15	0.00	-430.72	0.00	430.72	2,873.62	1,436.81	3,836.52	1,894.71	0.62	-0.28	0.137
22.00	-23.45	-5.13	0.00	-425.57	0.00	425.57	2,864.39	1,432.20	3,806.23	1,879.75	0.68	-0.30	0.136
23.00	-23.22	-5.10	0.00	-420.44	0.00	420.44	2,855.13	1,427.56	3,776.01	1,864.83	0.75	-0.31	0.135
24.00	-22.99	-5.08	0.00	-415.34	0.00	415.34	2,845.83	1,422.91	3,745.85	1,849.94	0.81	-0.32	0.134
25.00	-22.76	-5.06	0.00	-410.26	0.00	410.26	2,835.25	1,417.62	3,714.14	1,834.28	0.88	-0.34	0.133
26.00	-22.54	-5.03	0.00	-405.20	0.00	405.20	2,824.83	1,412.91	3,678.86	1,818.85	0.95	-0.35	0.133
27.00	-22.31	-5.01	0.00	-400.17	0.00	400.17	2,808.40	1,404.20	3,643.74	1,799.51	1.03	-0.36	0.132
28.00	-22.08	-4.99	0.00	-395.16	0.00	395.16	2,794.98	1,397.49	3,608.79	1,782.25	1.11	-0.38	0.131
29.00	-21.86	-4.96	0.00	-390.17	0.00	390.17	2,781.56	1,390.78	3,574.01	1,765.07	1.19	-0.39	0.130
30.00	-21.63	-4.94	0.00	-385.21	0.00	385.21	2,768.14	1,384.07	3,539.40	1,747.98	1.27	-0.40	0.130
31.00	-21.41	-4.91	0.00	-380.27	0.00	380.27	2,754.72	1,377.36	3,504.96	1,730.97	1.36	-0.42	0.129
31.50	-21.30	-4.90	0.00	-377.80	0.00	377.80	2,747.96	1,373.98	3,487.68	1,722.44	1.40	-0.42	0.128
32.00	-21.13	-4.89	0.00	-375.37	0.00	375.37	2,741.30	1,370.65	3,470.68	1,714.04	1.44	-0.43	0.126
33.00	-20.80	-4.86	0.00	-370.48	0.00	370.48	2,727.87	1,363.94	3,436.57	1,697.20	1.54	-0.44	0.125
34.00	-20.41	-4.81	0.00	-365.62	0.00	365.62	2,714.45	1,357.23	3,402.64	1,680.43	1.63	-0.45	0.125
35.00	-20.03	-4.76	0.00	-360.80	0.00	360.80	2,701.03	1,350.51	3,368.87	1,663.76	1.73	-0.47	0.124
35.67	-19.81	-4.75	0.00	-357.61	0.00	357.61	2,180.41	1,090.21	2,778.27	1,372.08	1.79	-0.48	0.141
36.00	-19.74	-4.74	0.00	-356.05	0.00	356.05	2,178.20	1,089.10	2,770.95	1,368.47	1.83	-0.48	0.140
37.00	-19.54	-4.71	0.00	-351.31	0.00	351.31	2,171.49	1,085.75	2,748.79	1,357.52	1.93	-0.49	0.139
38.00	-19.34	-4.69	0.00	-346.59	0.00	346.59	2,164.74	1,082.37	2,726.66	1,346.60	2.03	-0.51	0.138
39.00	-19.14	-4.66	0.00	-341.91	0.00	341.91	2,157.96	1,078.98	2,704.57	1,335.69	2.14	-0.52	0.137
40.00	-18.94	-4.63	0.00	-337.24	0.00	337.24	2,151.13	1,075.57	2,682.52	1,324.80	2.25	-0.54	0.135
41.00	-18.74	-4.61	0.00	-332.61	0.00	332.61	2,144.27	1,072.13	2,660.51	1,313.93	2.37	-0.55	0.134
42.00	-18.54	-4.58	0.00	-328.00	0.00	328.00	2,137.36	1,068.68	2,638.53	1,303.07	2.48	-0.56	0.133
43.00	-18.34	-4.55	0.00	-323.42	0.00	323.42	2,130.42	1,065.21	2,616.60	1,292.24	2.60	-0.58	0.132
44.00	-18.15	-4.53	0.00	-318.87	0.00	318.87	2,123.44	1,061.72	2,594.70	1,281.43	2.72	-0.59	0.131
45.00	-17.95	-4.50	0.00	-314.34	0.00	314.34	2,116.42	1,058.21	2,572.85	1,270.63	2.85	-0.60	0.129
46.00	-17.75	-4.47	0.00	-309.84	0.00	309.84	2,109.36	1,054.68	2,551.04	1,259.86	2.98	-0.62	0.128
47.00	-17.56	-4.44	0.00	-305.37	0.00	305.37	2,102.27	1,051.13	2,529.26	1,249.11	3.11	-0.63	0.127
48.00	-17.36	-4.42	0.00	-300.92	0.00	300.92	2,095.13	1,047.57	2,507.54	1,238.38	3.24	-0.64	0.126

Pole : 302473  
 Location : EHFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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                      34 Iterations

Gust Response Factor : 1.10                      Wind Importance Factor : 1.00

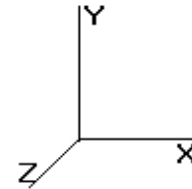
Dead Load Factor : 1.00

Wind Load Factor : 1.00

49.00	-17.16	-4.39	0.00	-296.51	0.00	296.51	2,087.96	1,043.98	2,485.85	1,227.67	3.38	-0.66	0.124
50.00	-16.97	-4.36	0.00	-292.12	0.00	292.12	2,080.75	1,040.37	2,464.21	1,216.98	3.52	-0.67	0.123
51.00	-16.78	-4.33	0.00	-287.76	0.00	287.76	2,073.50	1,036.75	2,442.62	1,206.32	3.66	-0.68	0.122
52.00	-16.58	-4.30	0.00	-283.42	0.00	283.42	2,066.21	1,033.11	2,421.07	1,195.68	3.80	-0.70	0.121
53.00	-16.39	-4.28	0.00	-279.12	0.00	279.12	2,058.88	1,029.44	2,399.57	1,185.06	3.95	-0.71	0.120
54.00	-16.20	-4.25	0.00	-274.84	0.00	274.84	2,051.52	1,025.76	2,378.11	1,174.46	4.10	-0.72	0.118
55.00	-16.01	-4.22	0.00	-270.60	0.00	270.60	2,044.11	1,022.06	2,356.71	1,163.89	4.25	-0.74	0.117
56.00	-15.81	-4.19	0.00	-266.38	0.00	266.38	2,036.67	1,018.34	2,335.35	1,153.34	4.41	-0.75	0.116
57.00	-15.62	-4.16	0.00	-262.19	0.00	262.19	2,029.19	1,014.59	2,314.04	1,142.82	4.57	-0.76	0.115
58.00	-15.43	-4.13	0.00	-258.03	0.00	258.03	2,021.67	1,010.84	2,292.78	1,132.32	4.73	-0.78	0.113
59.00	-15.24	-4.10	0.00	-253.90	0.00	253.90	2,014.11	1,007.06	2,271.57	1,121.84	4.89	-0.79	0.112
60.00	-15.05	-4.07	0.00	-249.80	0.00	249.80	2,006.52	1,003.26	2,250.42	1,111.40	5.06	-0.80	0.111
61.00	-14.87	-4.04	0.00	-245.73	0.00	245.73	1,998.88	999.44	2,229.31	1,100.97	5.23	-0.81	0.110
62.00	-14.68	-4.01	0.00	-241.68	0.00	241.68	1,991.21	995.60	2,208.26	1,090.58	5.40	-0.83	0.109
63.00	-14.49	-3.98	0.00	-237.67	0.00	237.67	1,983.49	991.75	2,187.27	1,080.21	5.58	-0.84	0.107
64.00	-14.30	-3.95	0.00	-233.69	0.00	233.69	1,975.74	987.87	2,166.32	1,069.87	5.75	-0.85	0.106
65.00	-14.12	-3.92	0.00	-229.73	0.00	229.73	1,966.30	983.15	2,143.64	1,058.66	5.93	-0.87	0.105
66.00	-13.93	-3.89	0.00	-225.81	0.00	225.81	1,955.12	977.56	2,119.18	1,046.58	6.12	-0.88	0.104
67.00	-13.75	-3.86	0.00	-221.91	0.00	221.91	1,943.93	971.97	2,094.86	1,034.57	6.30	-0.89	0.103
68.00	-13.56	-3.83	0.00	-218.05	0.00	218.05	1,932.75	966.37	2,070.68	1,022.63	6.49	-0.90	0.102
69.00	-13.38	-3.80	0.00	-214.21	0.00	214.21	1,921.56	960.78	2,046.64	1,010.76	6.68	-0.92	0.101
70.00	-13.19	-3.77	0.00	-210.41	0.00	210.41	1,910.38	955.19	2,022.74	998.96	6.87	-0.93	0.100
70.05	-13.18	-3.77	0.00	-210.21	0.00	210.21	1,909.78	954.89	2,021.47	998.33	6.88	-0.93	0.100
71.00	-12.94	-3.74	0.00	-206.64	0.00	206.64	1,899.19	949.60	1,998.99	987.22	7.07	-0.94	0.097
72.00	-12.69	-3.71	0.00	-202.90	0.00	202.90	1,888.01	944.00	1,975.37	975.56	7.27	-0.95	0.096
73.00	-12.43	-3.68	0.00	-199.19	0.00	199.19	1,876.82	938.41	1,951.89	963.97	7.47	-0.96	0.095
73.55	-12.29	-3.66	0.00	-197.15	0.00	197.15	1,431.27	715.64	1,520.69	751.01	7.58	-0.97	0.110
74.00	-12.22	-3.65	0.00	-195.52	0.00	195.52	1,429.00	714.50	1,514.27	747.84	7.67	-0.98	0.109
75.00	-12.05	-3.62	0.00	-191.87	0.00	191.87	1,423.89	711.94	1,499.92	740.75	7.88	-0.99	0.107
76.00	-11.89	-3.58	0.00	-188.26	0.00	188.26	1,418.73	709.37	1,485.59	733.68	8.09	-1.00	0.106
77.00	-11.72	-3.55	0.00	-184.67	0.00	184.67	1,413.54	706.77	1,471.28	726.61	8.30	-1.01	0.104
78.00	-11.56	-3.52	0.00	-181.12	0.00	181.12	1,408.31	704.16	1,457.00	719.56	8.51	-1.03	0.103
79.00	-11.40	-3.49	0.00	-177.59	0.00	177.59	1,403.04	701.52	1,442.75	712.52	8.73	-1.04	0.101
80.00	-11.23	-3.46	0.00	-174.10	0.00	174.10	1,397.73	698.87	1,428.52	705.49	8.95	-1.05	0.100
81.00	-11.07	-3.43	0.00	-170.64	0.00	170.64	1,392.39	696.19	1,414.32	698.48	9.17	-1.06	0.098
82.00	-10.91	-3.40	0.00	-167.21	0.00	167.21	1,387.00	693.50	1,400.15	691.48	9.39	-1.07	0.097
83.00	-10.75	-3.37	0.00	-163.81	0.00	163.81	1,381.58	690.79	1,386.01	684.50	9.62	-1.09	0.095
84.00	-10.58	-3.34	0.00	-160.44	0.00	160.44	1,376.12	688.06	1,371.90	677.53	9.85	-1.10	0.094
85.00	-10.42	-3.31	0.00	-157.11	0.00	157.11	1,370.62	685.31	1,357.82	670.57	10.08	-1.11	0.092
85.00	-10.42	-3.31	0.00	-157.11	0.00	157.11	1,370.62	685.31	1,357.82	670.57	10.08	-1.11	0.242
86.00	-10.33	-3.28	0.00	-153.80	0.00	153.80	1,365.08	682.54	1,343.77	663.64	10.31	-1.12	0.239
87.00	-10.23	-3.25	0.00	-150.52	0.00	150.52	1,359.50	679.75	1,329.75	656.71	10.55	-1.15	0.237
88.00	-10.14	-3.22	0.00	-147.27	0.00	147.27	1,353.89	676.94	1,315.76	649.80	10.79	-1.18	0.234
89.00	-10.04	-3.20	0.00	-144.05	0.00	144.05	1,348.24	674.12	1,301.81	642.91	11.05	-1.21	0.232
90.00	-9.95	-3.17	0.00	-140.85	0.00	140.85	1,342.54	671.27	1,287.89	636.04	11.30	-1.24	0.229
91.00	-9.86	-3.14	0.00	-137.68	0.00	137.68	1,336.81	668.41	1,274.00	629.18	11.57	-1.27	0.226
92.00	-9.77	-3.13	0.00	-134.53	0.00	134.53	1,331.04	665.52	1,260.15	622.34	11.84	-1.31	0.224
93.00	-9.67	-3.11	0.00	-131.40	0.00	131.40	1,325.23	662.62	1,246.34	615.52	12.11	-1.34	0.221
94.00	-9.58	-3.10	0.00	-128.29	0.00	128.29	1,319.39	659.69	1,232.57	608.72	12.40	-1.37	0.218
95.00	-9.49	-3.08	0.00	-125.19	0.00	125.19	1,313.50	656.75	1,218.83	601.93	12.69	-1.40	0.215
96.00	-9.40	-3.07	0.00	-122.11	0.00	122.11	1,307.58	653.79	1,205.13	595.17	12.98	-1.43	0.212
97.00	-9.31	-3.05	0.00	-119.04	0.00	119.04	1,301.62	650.81	1,191.47	588.42	13.28	-1.46	0.209
98.00	-9.22	-3.04	0.00	-115.99	0.00	115.99	1,295.62	647.81	1,177.85	581.69	13.59	-1.48	0.207
99.00	-9.13	-3.02	0.00	-112.96	0.00	112.96	1,289.58	644.79	1,164.26	574.99	13.91	-1.51	0.204
100.00	-9.04	-3.00	0.00	-109.94	0.00	109.94	1,283.50	641.75	1,150.72	568.30	14.23	-1.54	0.201
101.00	-8.95	-2.99	0.00	-106.93	0.00	106.93	1,277.38	638.69	1,137.23	561.63	14.55	-1.57	0.197
102.00	-8.86	-2.97	0.00	-103.95	0.00	103.95	1,271.23	635.61	1,123.77	554.99	14.89	-1.60	0.194

Pole : 302473  
 Location : E HFR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (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      34 Iterations

Gust Response Factor : 1.10      Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

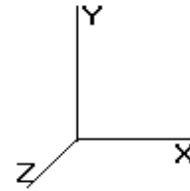
103.00	-8.78	-2.96	0.00	-100.98	0.00	100.98	1,265.03	632.52	1,110.36	548.37	15.22	-1.63	0.191
104.00	-8.69	-2.94	0.00	-98.02	0.00	98.02	1,257.45	628.72	1,095.81	541.18	15.57	-1.66	0.188
105.00	-8.60	-2.92	0.00	-95.08	0.00	95.08	1,248.50	624.25	1,080.18	533.46	15.92	-1.69	0.185
106.00	-8.51	-2.91	0.00	-92.16	0.00	92.16	1,239.55	619.78	1,064.67	525.80	16.27	-1.71	0.182
107.00	-8.43	-2.89	0.00	-89.25	0.00	89.25	1,230.60	615.30	1,049.26	518.19	16.64	-1.74	0.179
108.00	-8.34	-2.87	0.00	-86.36	0.00	86.36	1,221.66	610.83	1,033.97	510.64	17.00	-1.77	0.176
109.00	-8.26	-2.86	0.00	-83.48	0.00	83.48	1,212.71	606.35	1,018.79	503.14	17.38	-1.80	0.173
110.00	-8.17	-2.84	0.00	-80.63	0.00	80.63	1,203.76	601.88	1,003.72	495.70	17.76	-1.82	0.169
110.05	-8.17	-2.84	0.00	-80.47	0.00	80.47	1,203.28	601.64	1,002.92	495.30	17.78	-1.82	0.169
110.05	-8.17	-2.84	0.00	-80.47	0.00	80.47	829.60	414.80	695.72	343.59	17.78	-1.82	0.244
111.00	-8.10	-2.83	0.00	-77.78	0.00	77.78	826.22	413.11	687.98	339.77	18.14	-1.85	0.239
112.00	-8.03	-2.81	0.00	-74.96	0.00	74.96	822.61	411.30	679.82	335.74	18.53	-1.88	0.233
113.00	-7.96	-2.80	0.00	-72.15	0.00	72.15	818.96	409.48	671.67	331.71	18.93	-1.92	0.227
114.00	-7.89	-2.78	0.00	-69.35	0.00	69.35	815.28	407.64	663.53	327.69	19.34	-1.95	0.221
115.00	-7.82	-2.77	0.00	-66.56	0.00	66.56	811.55	405.78	655.41	323.68	19.75	-1.98	0.215
116.00	-7.75	-2.75	0.00	-63.80	0.00	63.80	807.79	403.90	647.30	319.68	20.17	-2.01	0.209
117.00	-7.68	-2.74	0.00	-61.04	0.00	61.04	803.99	402.00	639.21	315.68	20.59	-2.05	0.203
118.00	-7.31	-2.41	0.00	-58.31	0.00	58.31	800.15	400.08	631.14	311.70	21.02	-2.08	0.196
119.00	-7.25	-2.40	0.00	-55.89	0.00	55.89	796.28	398.14	623.08	307.72	21.46	-2.11	0.191
120.00	-7.19	-2.38	0.00	-53.49	0.00	53.49	792.36	396.18	615.05	303.75	21.91	-2.14	0.185
121.00	-7.12	-2.37	0.00	-51.11	0.00	51.11	788.40	394.20	607.03	299.79	22.36	-2.16	0.180
122.00	-7.06	-2.35	0.00	-48.74	0.00	48.74	784.41	392.21	599.04	295.84	22.81	-2.19	0.174
123.00	-7.00	-2.34	0.00	-46.39	0.00	46.39	780.38	390.19	591.06	291.90	23.27	-2.22	0.168
124.00	-6.94	-2.32	0.00	-44.05	0.00	44.05	776.31	388.15	583.11	287.98	23.74	-2.25	0.162
125.00	-6.87	-2.31	0.00	-41.72	0.00	41.72	772.20	386.10	575.18	284.06	24.22	-2.27	0.156
126.00	-6.81	-2.29	0.00	-39.42	0.00	39.42	768.05	384.03	567.27	280.15	24.69	-2.30	0.150
127.00	-6.75	-2.28	0.00	-37.12	0.00	37.12	763.87	381.93	559.39	276.26	25.18	-2.32	0.143
128.00	-5.86	-1.96	0.00	-34.85	0.00	34.85	759.64	379.82	551.53	272.38	25.67	-2.35	0.136
129.00	-5.80	-1.95	0.00	-32.89	0.00	32.89	755.38	377.69	543.69	268.51	26.16	-2.37	0.130
130.00	-5.75	-1.93	0.00	-30.94	0.00	30.94	751.08	375.54	535.89	264.65	26.66	-2.39	0.125
131.00	-5.70	-1.91	0.00	-29.01	0.00	29.01	746.74	373.37	528.10	260.81	27.16	-2.41	0.119
132.00	-5.64	-1.90	0.00	-27.09	0.00	27.09	742.36	371.18	520.35	256.98	27.67	-2.43	0.113
133.00	-5.59	-1.88	0.00	-25.19	0.00	25.19	737.94	368.97	512.62	253.17	28.18	-2.45	0.107
134.00	-5.54	-1.87	0.00	-23.31	0.00	23.31	733.49	366.74	504.93	249.37	28.70	-2.47	0.101
135.00	-5.49	-1.85	0.00	-21.44	0.00	21.44	728.99	364.50	497.26	245.58	29.22	-2.49	0.095
136.00	-5.44	-1.84	0.00	-19.59	0.00	19.59	724.46	362.23	489.62	241.81	29.74	-2.51	0.089
137.00	-5.39	-1.82	0.00	-17.75	0.00	17.75	719.89	359.95	482.02	238.05	30.27	-2.52	0.082
138.00	-3.41	-1.23	0.00	-15.93	0.00	15.93	715.28	357.64	474.45	234.31	30.80	-2.54	0.073
139.00	-3.37	-1.21	0.00	-14.70	0.00	14.70	710.63	355.32	466.90	230.59	31.33	-2.55	0.069
140.00	-3.32	-1.20	0.00	-13.49	0.00	13.49	704.27	352.14	458.31	226.34	31.86	-2.56	0.064
141.00	-3.28	-1.18	0.00	-12.29	0.00	12.29	697.56	348.78	449.56	222.02	32.40	-2.57	0.060
142.00	-3.23	-1.17	0.00	-11.11	0.00	11.11	690.85	345.43	440.90	217.75	32.94	-2.59	0.056
143.00	-3.19	-1.15	0.00	-9.94	0.00	9.94	684.14	342.07	432.33	213.51	33.48	-2.60	0.051
144.00	-3.14	-1.13	0.00	-8.79	0.00	8.79	677.43	338.71	423.84	209.32	34.03	-2.61	0.047
145.00	-3.10	-1.12	0.00	-7.66	0.00	7.66	670.72	335.36	415.43	205.17	34.58	-2.61	0.042
146.00	-3.05	-1.10	0.00	-6.54	0.00	6.54	664.01	332.00	407.11	201.06	35.12	-2.62	0.037
147.00	-3.01	-1.09	0.00	-5.44	0.00	5.44	657.30	328.65	398.87	196.99	35.67	-2.63	0.032
148.00	-2.97	-1.07	0.00	-4.35	0.00	4.35	650.59	325.29	390.72	192.96	36.22	-2.63	0.027
149.00	-2.92	-1.06	0.00	-3.27	0.00	3.27	643.87	321.94	382.65	188.98	36.78	-2.64	0.022
150.00	0.00	-0.92	0.00	-2.22	0.00	2.22	637.16	318.58	374.66	185.03	37.33	-2.64	0.012



Pole : 302473  
 Location : E H FR - Prestige Park, CT  
 Height : 150.0 (ft)  
 Base Dia : 36.00 (in)  
 Top Dia : 14.50 (in)  
 Shape : 12 Sides  
 Taper : 0.150800 (in/ft)

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

8/28/2014 1:41:59 PM  
 Page: 70



© 2007 - 2014 by ATC IP LLC. All rights reserved.

### Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	22.13	0.00	33.09	0.00	0.00	2178.68	110.05	0.96
0.9D + 1.6W	22.12	0.00	26.23	0.00	0.00	2143.32	85.00	0.93
1.2D + 1.0Di + 1.0Wi	5.50	0.00	61.61	0.00	0.00	611.48	110.05	0.34
1.0D + 1.0W	5.62	0.00	28.53	0.00	0.00	544.35	110.05	0.24

### Additional Steel Summary

Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Upper Termination Connectors				Lower Termination Connectors				Max Member		
			VQ/I (lb/in)	Shear Applied (kips)	Shear phiVn (kips)	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Pu (kip)	phiPn (kip)	Ratio
0.00	85.0	(4) SOL-#20 All Thre	268.8	8.1	16.8	153.5	12.0	13	14	0.0	12.0	0	0	241.9	330.5	0.732

<b>Base/Flange Plate</b>	Plate Type	<b>Baseplate</b>
	Pole Diameter	36 in
	Pole Thickness	0.375 in
	Plate Length	44 in
	Plate Thickness	2.5 in
	Plate Fy	60 ksi
	Weld Length	0.3125 in
	$\phi_s$ Resistance	1584.05 k-in
	Applied	830.58 k-in
<b>Stiffeners</b>	#	0

Code Rev. **G**

Date 8/28/2014  
 Engineer NA  
 Site # 302473  
 Carrier Metro PCS

Moment 2178.7 k-ft  
 Axial 33.1 k

<b>Bolts</b>	#	8
	Bolt Circle	44 in
	(R)adial / (S)quare	S
	Bolt Gap	6 in
	Diameter	2.25 in
	Hole Diameter	2.625 in
	Type	A615
	Fy	75 ksi
	Fu	100 ksi
	$\phi_s$ Resistance	259.82 k
Applied	174.86 k	
<b>Reinforcement</b>	#	4
	DYW. Circle	43 in
	Offset Angle	22.5 °
	Type	#20
	Diameter	2.5 in
Fu	105 ksi	
<b>Extra Bolts O</b>	#	0

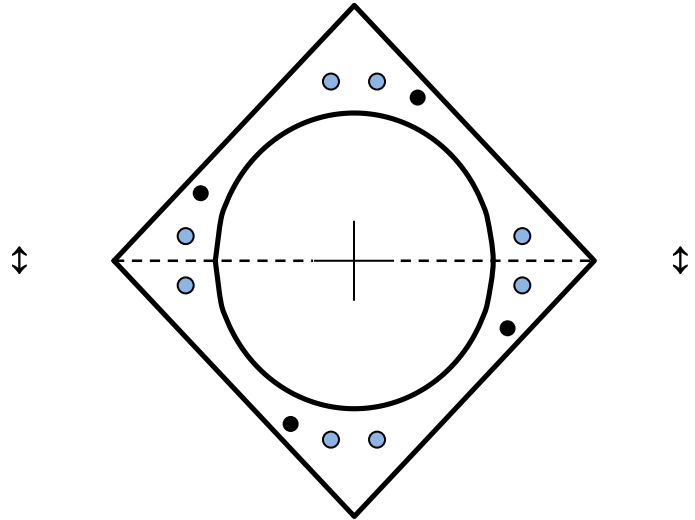


Plate Stress Ratio:  
**0.52** (Pass)

Bolt Stress Ratio:  
**0.67** (Pass)

<b>Base/Flange Plate</b>	Plate Type	<b>Flange @ 110.0 ft</b>
	Pole Diameter	20.537 in
	Pole Thickness	0.1875 in
	Plate Diameter	28.6 in
	Plate Thickness	1 in
	Plate Fy	60 ksi
	Weld Length	0.3125 in
	$\phi_s$ Resistance	236.01 k-in
	Applied	85.16 k-in
	<b>Stiffeners</b>	#
	Thickness	0.5 in
	Length	3 in
	Height	3.5 in
	Chamfer	0 in
	Offset Angle	22°
	Fy	36 ksi

Code Rev. **G**

Date **8/28/2014**  
 Engineer **NA**  
 Site # **302473**  
 Carrier **Metro PCS**

Moment **327.2 k-ft**  
 Axial **8.5 k**

<b>Bolts</b>	#	<b>12</b>
	Bolt Circle	25.75 in
	(R)adial / (S)quare	R
	Diameter	1 in
	Hole Diameter	1.1875 in
	Type	A325
	Fy	92 ksi
	Fu	120 ksi
	$\phi_s$ Resistance	54.52 k
	Applied	50.09 k
<b>Reinforcement</b>	#	<b>0</b>
<b>Extra Bolts</b>	#	<b>0</b>

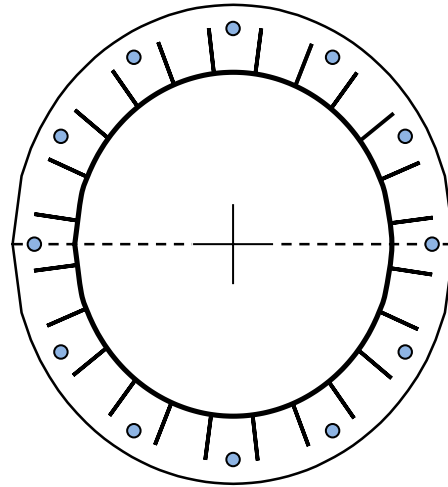
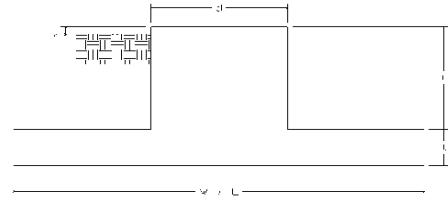


Plate Stress Ratio:  
**0.36** (Pass)

Bolt Stress Ratio:  
**0.92** (Pass)

Site Name: E H F R - Prestige Park  
 Site Number: 302473  
 Engineering Number: 59130822  
 Engineer: Najaf Ali  
 Date: 08/28/14  
 Tower Type: MP

Program Last Updated: 5/13/2014



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

Design / Analysis / Mapping:	Analysis		
Compression/Leg:	33.1 k	Concrete Strength ( $f'_c$ ):	4000 psi
Uplift/Leg:	0.0 k	Pad Tension Steel Depth:	32.00 in
Total Shear:	22.1 k	$\phi_{\text{Shear}}$ :	0.75
Moment:	2178.7 k-ft	$\phi_{\text{Flexure / Tension}}$ :	0.90
Tower + Appurtenance Weight:	32.1 k	$\phi_{\text{Compression}}$ :	0.65
Depth to Base of Foundation (l + t - h):	8.00 ft	$\beta$ :	0.85
Diameter of Pier (d):	4.33 ft	Bottom Pad Rebar Size #:	10
Height of Pier above Ground (h):	0.50	# of Bottom Pad Rebar:	36
Width of Pad (W):	18.00 ft	Pad Bottom Steel Area:	45.72 in <sup>2</sup>
Length of Pad (L):	18.00 ft	Pad Steel $F_y$ :	60000 psi
Thickness of Pad (t):	3.00 ft	Top Pad Rebar Size #:	8
Tower Leg Center to Center:	0.00 ft	# of Top Pad Rebar:	36
Number of Tower Legs:	1.0 (1 if MP or GT)	Pad Top Steel Area:	28.44 in <sup>2</sup>
Tower Center from Mat Center:	0.00 ft	Pier Rebar Size #:	11
Depth Below Ground Surface to Water Table:	12.00 ft	Pier Steel Area (Single Bar):	1.56 in <sup>2</sup>
Unit Weight of Concrete:	150.0 pcf	# of Pier Rebar:	14
Unit Weight of Soil Above Water Table:	115.0 pcf	Pier Steel $F_y$ :	60000 psi
Unit Weight of Water:	62.4 pcf	Pier Cage Diameter:	44.0 in
Unit Weight of Soil Below Water Table:	67.0 pcf	Rebar Strain Limit:	0.008
Friction Angle of Uplift:	15.0 Degrees	Steel Elastic Modulus:	29000 ksi
Ultimate Coefficient of Shear Friction:	0.35	Tie Rebar Size #:	4
Ultimate Compressive Bearing Pressure:	6000.0 psf	Tie Steel Area (Single Bar):	0.20 in <sup>2</sup>
Ultimate Passive Pressure on Pad Face:	0.0 psf	Tie Spacing:	12 in
$\phi_{\text{Soil and Concrete Weight}}$ :	0.9	Tie Steel $F_y$ :	60000 psi
$\phi_{\text{Soil}}$ :	0.75		

**Overturning Moment Usage**

Design OTM:	2366.7 k-ft
OTM Resistance:	3235.5 k-ft
Design OTM / OTM Resistance:	0.73 Result: OK

**Soil Bearing Pressure Usage**

Net Bearing Pressure:	4185 psf
Factored Nominal Bearing Pressure:	4500 psf
Net Bearing Pressure/Factored Nominal Bearing Pressure:	0.93 Result: OK
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge

**Sliding Factor of Safety**

Total Factored Sliding Resistance:	95.2 k
Sliding Design / Sliding Resistance:	0.23 Result: OK

### One Way Shear, Flexural Capacity, and Punching Shear

Factored One Way Shear ( $V_u$ ):	157.8 k
One Way Shear Capacity ( $\phi V_c$ ):	575.3 k - ACI11.3.1.1
$V_u / \phi V_c$ :	0.27 Result: OK
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge
Lower Steel Pad Factored Moment ( $M_u$ ):	925.8 k-ft
Lower Steel Pad Moment Capacity ( $\phi M_n$ ):	6257.1 k-ft - ACI10.3
$M_u / \phi M_n$ :	0.15 Result: OK
Load Direction Controlling Flexural Capacity:	Parallel to Pad Edge
Upper Steel Pad Factored Moment ( $M_u$ ):	645.6 k-ft
Upper Steel Pad Moment Capacity ( $\phi M_n$ ):	3969.0 k-ft
$M_u / \phi M_n$ :	0.16 Result: OK
Lower Pad Flexural Reinforcement Ratio:	0.0066 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Upper Pad Flexural Reinforcement Ratio:	0.0041 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Lower Pad Reinforcement Spacing:	6 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Upper Pad Reinforcement Spacing:	6 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Factored Punching Shear ( $V_u$ ):	0.0 k
Nominal Punching Shear Capacity ( $\phi_c V_n$ ):	1601.5 k - ACI11.12.2.1
$V_u / \phi V_c$ :	0.00 Result: OK
Factored Moment in Pier ( $M_u$ ):	1967.4 k-ft
Pier Moment Capacity ( $\phi M_n$ ):	2120.7 k-ft
$M_u / \phi M_n$ :	0.93 Result: OK
Factored Shear in Pier ( $V_u$ ):	22.1 k
Pier Shear Capacity ( $\phi V_n$ ):	202.7 k
$V_u / \phi V_c$ :	0.11 Result: OK
Pier Shear Reinforcement Ratio:	0.0009 No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier ( $T_u$ ):	0.0 k
Pier Tension Capacity ( $\phi T_n$ ):	1179.4 k
$T_u / \phi T_n$ :	0.00 Result: OK
Factored Compression in Pier ( $P_u$ ):	33.1 k
Pier Compression Capacity ( $\phi P_n$ ):	3710.3 k - ACI10.3.6.2
$P_u / \phi P_n$ :	0.01 Result: OK
Pier Compression Reinforcement Ratio:	0.010 OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4
$M_u / \phi_B M_n + T_u / \phi_T T_n$ :	0.93 Result: OK

Nominal and Design Moment Capacity and Factored Design Loads

