

STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@ct.gov

www.ct.gov/csc

May 16, 2011

Jennifer A. Herz, Esq.
Brown Rudnick LLP
CityPlace I, 185 Asylum Street
Hartford, CT 06103

RE: **EM-T-MOBILE-064-110426** - Omnipoint Communications, as subsidiary of T-Mobile USA, Inc., notice of intent to modify an existing telecommunications facility located at 99 Meadow Street, Hartford, Connecticut.

Dear Attorney Herz:

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

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

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated April 26, 2011. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

This decision is under the exclusive jurisdiction of the Council. Please be advised that the validity of this action shall expire one year from the date of this letter. Any additional change to this facility will require explicit notice to this agency pursuant to Regulations of Connecticut State Agencies Section 16-50j-73. Such notice shall include all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65. Thank you for your attention and cooperation.

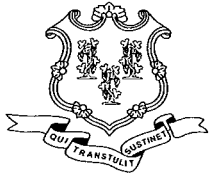
Very truly yours,

Linda Roberts
Executive Director

LR/CDM/laf

c: The Honorable Pedro E. Segarra, Mayor, City of Hartford
David B. Panagore, Chief Operating Officer, City of Hartford
Roger J. O'Brien, Director of Planning, City of Hartford
American Tower Corporation





STATE OF CONNECTICUT

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Ten Franklin Square, New Britain, CT 06051

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E-Mail: siting.council@ct.gov

www.ct.gov/csc

April 29, 2011

The Honorable Pedro E. Segarra
Mayor
City of Hartford
Municipal Building
550 Main Street
Hartford, CT 06103

RE: **EM-T-MOBILE-064-110426** - Omnipoint Communications, as subsidiary of T-Mobile USA, Inc., notice of intent to modify an existing telecommunications facility located at 99 Meadow Street, Hartford, Connecticut.

Dear Mayor Segarra:

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

If you have any questions or comments regarding this proposal, please call me or inform the Council by May 13, 2011.

Thank you for your cooperation and consideration.

Very truly yours,

Linda Roberts
Executive Director

LR/jbw

Enclosure: Notice of Intent

c: David B. Panagore, Chief Operating Officer, City of Hartford
Roger J. O'Brien, Director of Planning, City of Hartford

10426



EM-T-MOBILE-064-110426

JENNIFER A. HERZ
Direct Dial: (860) 509-6527
jherz@brownrudnick.com

CityPlace I
185 Asylum
Street
Hartford
Connecticut
06103
tel 860.509.6500
fax 860.509.6501

April 26, 2011

RECEIVED
APR 26 2011
CONNECTICUT
SITING COUNCIL

Robert Stein, Chairman
Connecticut Siting Council
Ten Franklin Square
New Britain, CT 06051

RE: Notice of Exempt Modification / Hartford @ 99 Meadow Street

Dear Chairman Stein:

On behalf of T-Mobile Northeast ("T-Mobile"), enclosed for filing are an original and 5 copies of T-Mobile's Notice of Exempt Modification for the Facility located at 99 Meadow Street in Hartford. A complete copy of the Structural Analysis is enclosed within the original filing and Section 1 is included within all of the copies. Additional copies of the Structural Analysis will be submitted upon request.

I also enclose herewith a check in the amount of \$625.00 representing the filing fee.

I would appreciate it if you would date-stamp the enclosed copy of this transmittal letter and return it to the courier delivering this package. If you have any questions, please feel free to contact me.

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

BROWN RUDNICK LLP

Jennifer A. Herz

JH/bh
Enclosures

cc/encl: Mayor Pedro E. Segarra

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CONNECTICUT SITING COUNCIL

In re:

T-Mobile Northeast, LLC's Notice to Make an Exempt Modification to an Existing Facility at 99 Meadow Street, Hartford, Connecticut. : **EXEMPT MODIFICATION NO.** _____
: _____
: April 26, 2011

NOTICE OF EXEMPT MODIFICATION

Pursuant to Conn. Agencies Regs. §§ 16-50j-73 and 16-50j-72(b), T-Mobile Northeast, LLC ("T-Mobile") hereby gives notice to the Connecticut Siting Council ("Council") and the City of Hartford of T-Mobile's intent to make an exempt modification to the existing monopole tower (the "Tower") located at 99 Meadow Street in Hartford, Connecticut. Specifically, T-Mobile plans to optimize its network in Connecticut by installing additional Global System for Mobile communications ("GSM") antennas and Tower Mounted Amplifiers ("TMA") at many of its existing sites. The installation of additional antennas and TMAs will optimize T-Mobile's network by increasing its network capacity. Once this optimization is complete, T-Mobile will operate on a network that provides additional capacity for wireless voice communications.

Under the Council's regulations (Conn. Agencies Regs. § 16-50j-72(b)), T-Mobile's plans do not constitute a modification subject to the Council's review because T-Mobile will not change the height of the Tower, will not extend the boundaries of the site, will not increase the noise levels at the site, and will not increase the total radio frequency electromagnetic radiation power density at the site to levels above applicable standards.

The Tower is a 147-foot monopole tower located at 99 Meadow Street in Hartford, Connecticut (latitude N 41° 44' 35.5", longitude W -72° 40' 3.1"). The Tower is owned by American Tower. Currently, T-Mobile has 3 Universal Mobile Telecommunications System ("UMTS") panel antennas, 6 GSM panel antennas and 6 TMAs with a centerline of 123 feet mounted on the Tower. A site plan with Tower specifications is attached.

T-Mobile plans to remove and replace its 6 existing GSM panel antennas with 6 new GSM panel antennas, 2 per sector (Model No. APXV18-206516L). The centerline of the new antennas will remain at 123 feet. T-Mobile will continue to utilize its existing coaxial cables.

To confirm the Tower can support these changes, T-Mobile commissioned American Tower to perform a structural assessment of the Tower (attached). According to the structural assessment, dated March 31, 2011, "The tower and foundation can support the existing and proposed antennas with the TX line distribution as described in this report" (Structural Analysis Report, page 2).

T-Mobile is not planning to install additional ground equipment. Therefore, no increase in the boundaries of the site will be necessary.

Excluding brief, minor, construction-related noise during the installation of the antennas, T-Mobile's changes to the Tower will not increase noise levels at the site.

The proposed antennas will not adversely impact the health and safety of the surrounding community or the people working on the Tower. The total radio frequency exposure measured around the Tower will be well below the National Council on Radiation Protection and Measurements' ("NCRP") standard adopted by the Federal Communications Commission ("FCC"). The worst-case power density analysis measured at the base of the Tower indicates that T-Mobile's antennas will emit 7.44% of the NCRP's standard for maximum permissible exposure. Collectively, the antennas on the Tower will emit 45.14% of the NCRP's standard for maximum permissible exposure. Therefore, the power density levels will be below the FCC mandated radio frequency exposure limits in all locations around the Tower, even with extremely conservative assumptions. The power density analysis is attached.

In conclusion, T-Mobile's proposed plan to remove and replace 6 of its antennas at this site does not constitute a modification subject to the Council's jurisdiction because T-Mobile will not increase the height of the Tower, will not extend the boundaries of the site, will not

increase the noise levels at the site, and the total radio frequency electromagnetic radiation power density will stay within all applicable standards. *See* Conn. Agencies Regs. § 16-50j-72.

T-MOBILE NORTHEAST, LLC

By:  _____

Jennifer A. Herz

Brown Rudnick LLP

185 Asylum Street

Hartford, CT 06103-3402

Email - jherz@brownrudnick.com

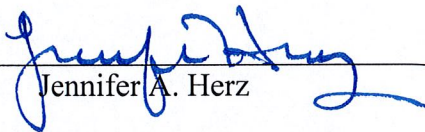
Phone - 860.509.6527 /Fax - 860.509.6501

Certificate of Service

This is to certify that on this 26th day of April, 2011, the foregoing Notice of Exempt Modification was sent, via first class mail, to the following:

Mayor Pedro E. Segarra
City of Hartford
550 Main Street
Hartford, CT 06103

By:


Jennifer A. Herz

40283130 v1 - 029431/0001

HARTFORD SOUTH 2/FRNKLN AV.

99 MEADOW STREET
HARTFORD, CT 06114

SITE NUMBER: CT11661A

SITE TYPE: CO-LOCATION ON MONOPOLE TOWER

NORTHEAST TOWERS
159 BRICKYARD ROAD
HARTFORD, CT 06103
OFFICE: (860) 671-1999
FOR
T-MOBILE NORTHEAST, LLC
31 GERRARD ROAD SOUTH
HARTFORD, CT 06105
OFFICE: (860) 692-7186
FAX: (860) 692-7159

ATLANTIS GROUP
1340 Centre Street, Suite 203
New Britain, CT 06110
Office: 817-965-0789
Fax: 817-213-5056



APPROVALS
LANDLORD _____
LEASING _____
R.F. _____
ZONING _____
CONSTRUCTION _____
A/E _____

DRAWN BY: GC
CHECKED BY: SM

SUBMITTALS
A (10/24/11) ISSUED FOR REVIEW
B (10/23/11) REVISED PER COMMENTS

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CT11661A
HARTFORD SOUTH
2/FRANKLN AV.
99 MEADOW STREET
HARTFORD, CT 06114

TITLE SHEET

SHEET NUMBER: **01**

PROJECT SUMMARY

SITE NUMBER:	CT11661A
SITE NAME:	HARTFORD SOUTH 2/FRANKLN AV.
SITE ADDRESS:	99 MEADOW STREET HARTFORD, CT 06114
SITE TYPE:	CO-LOCATION
PROPERTY OWNER:	AMERICAN TOWER ENGINEERING SERVICES CARY, NC 27518
APPLICANT:	T-MOBILE NORTHEAST, LLC 35 GERRARD ROAD SOUTH HARTFORD, CT 06105
PROJECT OWNER:	T-MOBILE NORTHEAST, LLC 35 GERRARD ROAD SOUTH HARTFORD, CT 06105
A/E:	ATLANTIS GROUP INC. 1340 CENTRE STREET, SUITE 203 NEW BRITAIN, CT 06110
PROJECT MANAGER:	LISA LIN ALLEN 180 BRICKYARD ROAD FARMINGTON, CT 06030
ZONING REPRESENTATIVE:	BROWN RUDNICK LLP THOMAS J REGAN 185 ASYLUM STREET HARTFORD, CT 06105-9402
POWER PROVIDER:	CONNECTICUT LIGHT & POWER OR NORTHEAST UTILITIES (860) 947-5200
TELECOM PROVIDER:	ATA/TSC/CSNET (203) 530-5988
CALL BEFORE YOU DIG:	(860) 692-4465

CODE REFERENCES

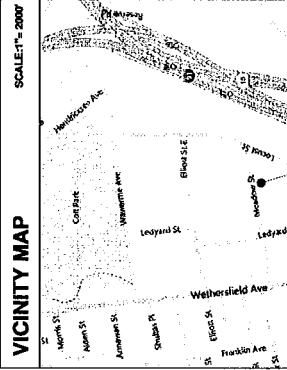
2003 INTERNATIONAL BUILDING CODE	2003 INTERNATIONAL PLUMBING CODE
2003 INTERNATIONAL MECHANICAL CODE	2003 INTERNATIONAL EXISTING BUILDING CODE
2003 NATIONAL ELECTRICAL CODE	CONNECTICUT STATE FIRE SAFETY CODE
2003 INTERNATIONAL FIRE CODE	

DO NOT SCALE DRAWINGS
CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNERS REPRESENTATIVE IN WRITING IF ANY DISCREPANCIES ARE DETECTED. THE PROJECT OWNERS REPRESENTATIVE SHALL BE RESPONSIBLE FOR SAME.

SHEET INDEX

SHT. NO.	DESCRIPTION
01	TITLE SHEET
02	COMPOUND PLAN & NOTES
04	ANTENNA DETAILS
05	GROUNDING NOTES, RISERS AND DETAILS

PROJECT DESCRIPTION:
T-MOBILE PROPRIETARY TO INSTALL TELECOMMUNICATIONS EQUIPMENT AT THE EXISTING SITE THAT CONSENTS TO:
EQUIPMENT CABINET (R): (1) (E) ERICSSON RBS 3108 UNITS CABINET ON (E) CONC. PAD TO REMAIN
(2) (E) MORTEL 51000 CABINETS ON (E) CONC. PAD TO REMAIN
ALPHA ANTENNA (R): (2) NEW DUAL POLE AP7150E/150V/5-30 UNITS PANEL, ANTENNA TO REPLACE (E) ERICSSON 15-030P GSM PANEL, ANTENNA
TMA (R): (1) (E) DUAL POLE AP7150E/150V/5-30 UNITS PANEL, ANTENNA TO REMAIN
COAX (R): (1) (E) 1/2" DIA. COAX CABLES TO REMAIN
SITE ANTENNA (R): (1) (E) DUAL POLE AP7150E/150V/5-30 UNITS PANEL, ANTENNA TO REPLACE (E) ERICSSON 15-030P GSM PANEL, ANTENNA
TMA (R): (1) (E) 1/2" DIA. COAX CABLES TO REMAIN
COAX (R): (1) (E) 1/2" DIA. COAX CABLES TO REMAIN
GSM ANTENNA (R): (1) (E) DUAL POLE AP7150E/150V/5-30 UNITS PANEL, ANTENNA TO REPLACE (E) ERICSSON 15-030P GSM PANEL, ANTENNA
TMA (R): (1) (E) 1/2" DIA. COAX CABLES TO REMAIN
COAX (R): (1) (E) 1/2" DIA. COAX CABLES TO REMAIN



SITE DIRECTIONS
FROM BLOOMFIELD OFFICE:
DEPART GRIFFIN RD N TOWARD TARIFFVILLE RD. TURN RIGHT ONTO TARIFFVILLE RD. TAKE RAMP RIGHT FOR SR-197 SOUTH / SR-189 SOUTH. KEEP STRAIGHT ONTO SR-197 SOUTH / BLUE HILLS AVENUE SOUTH / RICHARD P HOBAN MEMORIAL HWY TOWARD HARTFORD. AT EXIT 27, TAKE RAMP RIGHT FOR AIRPORT RD TOWARD BRAINARD AIRPORT. BRAINARD RD. TURN RIGHT ONTO MEADOW ST. ARRIVE AT 99 MEADOW ST. HARTFORD, CT 06114 ON THE RIGHT.

GENERAL NOTES

- THE CONTRACTOR SHALL OBEY ALL NOTICES AND COMPLIANCE WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY, MUNICIPAL AND UTILITY COMPANY JURISDICTION CONCERNING THE DESIGN AND CONSTRUCTION OF THE WORK. THE WORK PERFORMED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- THE ARCHITECT/ENGINEER HAS MADE EVERY EFFORT TO SET FORTH IN THE CONSTRUCTION AND CONTRACT DOCUMENTS THE COMPLETE SCOPE OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND FOR SPECIFICATIONS THAT NOT EXCLUDE SAID CONTRACTOR FROM COMPLETING THE PROJECT AND IMPROVEMENTS IN ACCORDANCE WITH THE INTENT OF THESE DOCUMENTS.
- THE CONTRACTOR OR BIDDER SHALL BEAR THE RESPONSIBILITY OF NOTIFYING (IN WRITING) THE PROJECT OWNERS REPRESENTATIVE OF ANY DISCREPANCIES OR OMISSIONS IN THE SUBMISSION OF CONTRACTORS 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.
- THE SCOPE OF WORK SHALL INCLUDE FURNISHING ALL MATERIALS, EQUIPMENT, LABOR AND ALL OTHER MATERIALS AND LABOR DEEMED NECESSARY TO COMPLETE THE WORKPROJECT AS DESCRIBED HEREIN.
- 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 THE ACCURACY OF THE INFORMATION PROVIDED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL OBTAIN AUTHORIZATION FROM THE PROJECT OWNERS REPRESENTATIVE TO ANY WORK THAT IS NOT CLEARLY DENEYED BY THE CONSTRUCTION DRAWINGS / CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND VENDORS SPECIFICATIONS UNLESS NOTED OTHERWISE OR WHERE LOCAL CODES OR ORDINANCES TAKE PRECEDENCE.
- THE CONTRACTOR SHALL PROVIDE A FULL SET OF CONSTRUCTION DOCUMENTS AT THE SITE UPON CLEARIFICATIONS AVAILABLE FOR THE USE BY ALL PERSONNEL INVOLVED WITH THE PROJECT.
- THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE PROJECT DESCRIBED HEREIN. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION OPERATIONS AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

10. THE CONTRACTOR IS 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, PAVERS, CURBS, ETC. DURING CONSTRUCTION. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE PROPERTY THAT HAS OCCURRED DUE TO CONSTRUCTION ON OR ABOUT THE PROPERTY.

13. THE CONTRACTOR SHALL KEEP THE GENERAL WORK AREA CLEAR OF OBSTRUCTIONS, AND UNNECESSARY MATERIALS AND DISPOSE OF ALL DIRT, DEBRIS, RUBBER 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 PROJECT OWNERS 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 LICENSEE/ENGINEER 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 INFORMATION CONCERNING UTILITIES: 72-HOURS PRIOR TO ANY EXCAVATION ACTIVITY:
CALL BEFORE YOU DIG (CT): 1-800-822-4465

18. COORDINATE NEW ANTENNA, ANTENNA SUPPORT FRAME AND COAXIAL CABLE INSTALLATION WITH STRUCTURAL CONTRACTOR. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE MODIFICATION REQUIREMENTS STIPULATED IN ALL STRUCTURAL ANALYSIS REPORT HAVE BEEN MET.

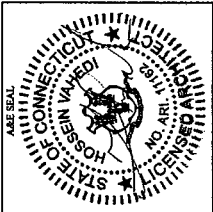
19. A STRUCTURAL ANALYSIS WAS NOT PART OF THE SCOPE OF WORK. THE CONTRACTOR SHALL CONTACT THE PROJECT OWNERS REPRESENTATIVE FOR ALL INFORMATION CONCERNING THE STRUCTURAL ANALYSIS PERFORMED FOR THIS SITE. ATLANTIS GROUP INC IS NOT RESPONSIBLE FOR STRUCTURAL INTEGRITY OF THE TOWER DUE TO THE ADDITION AND/OR MODIFICATIONS OF THE WORK UNDER THE CONTRACT.

NO STRUCTURAL EVALUATION HAS BEEN CONDUCTED BY ATLANTIS GROUP, INC. STRUCTURAL EVALUATION OF THE EXISTING TOWER TO ACCOMMODATE THE NEW ANTENNAS IS NOT PART OF THIS SCOPE OF WORK AND SHOULD BE DONE SEPARATELY BY THE TOWER STRUCTURAL ENGINEER. NO ADDITIONS OR MODIFICATIONS TO THE EXISTING TOWER SHALL BE MADE WITHOUT APPROVAL OF THE TOWER STRUCTURAL ENGINEER.

NORTHEAST TOWERS
 159 BROOKFIELD ROAD
 FARMINGTON, CT 06030
 OFFICE: (860) 671-1999

FOR
T-MOBILE NORTHEAST, LLC
 31 CHURCH ROAD SOUTH
 FARMINGTON, CT 06030
 OFFICE: (860) 692-3106
 FAX: (860) 692-7159

ATLANTIS GROUP
 1340 Centre Street, Suite 203
 New Britain, CT 06108
 Office: 617-965-0789
 Fax: 617-213-5056



APPROVALS

LANDLORD _____
 LEASING _____
 R.F. _____
 ZONING _____
 CONSTRUCTION _____
 A/E _____

DRAWN BY: _____
 CC _____

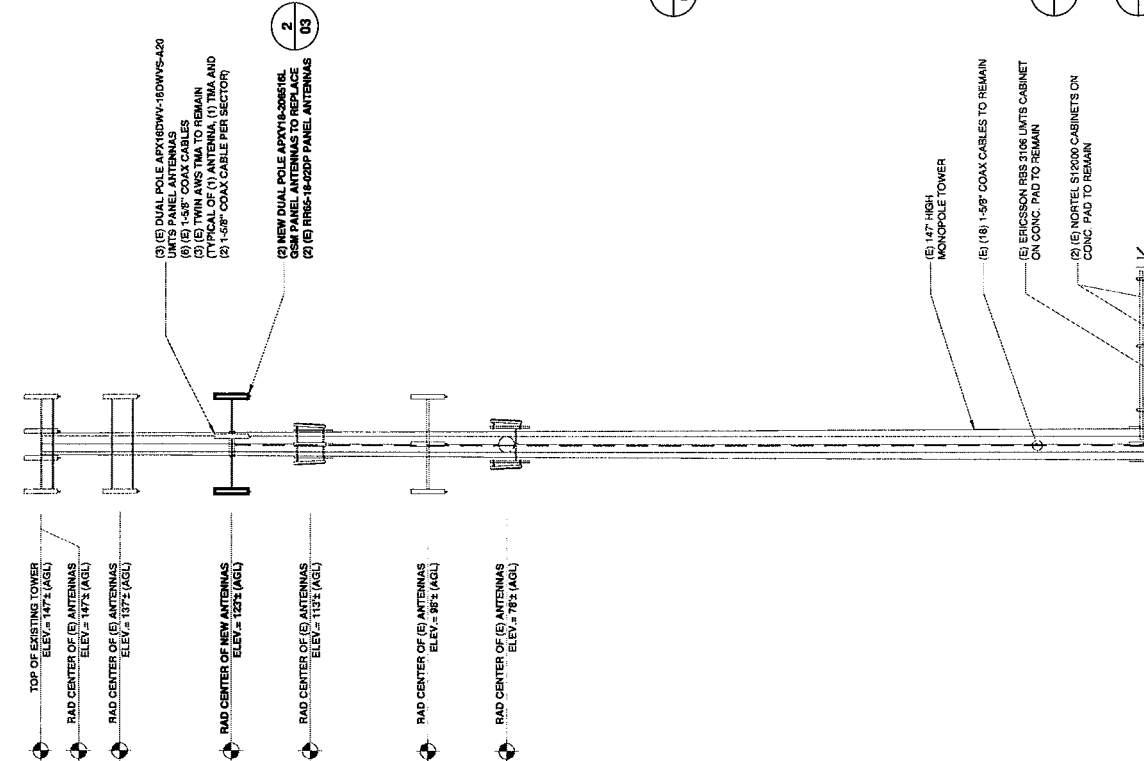
ISSUED FOR REVIEW	DATE
REVISED PER COMMENTS	DATE

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CT111661A
 HARTFORD SOUTH
 2/FRANKLIN AV.
 99 HEADOW STREET
 HARTFORD, CT 06114

SHEET TITLE:
ELEVATION

SHEET NUMBER:
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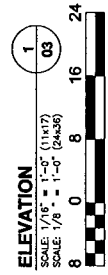


- (1) (2) NEW DUAL POLE APXV18-208516L GSM PANEL ANTENNAS TO REMAIN
- (2) (1) RR85-18-022P PANEL ANTENNAS
- (1) (2) NEW DUAL POLE APXV18-208516L GSM PANEL ANTENNAS TO REMAIN
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- (2) (1) RR85-18-022P PANEL ANTENNAS



ANTENNA PLAN DETAIL
 SCALE: NOT TO SCALE



ELEVATION
 SCALE: 1/8" = 1'-0" (1:147)
 SCALE: 1/8" = 1'-0" (24:36)

ANTENNA AZIMUTHS:	
SECTOR ALPHA	EXISTING AZIMUTH: UNITS/GSM= 0°
SECTOR BETA	EXISTING AZIMUTH: UNITS/GSM= 160°/170° NEW GSM= 160°
SECTOR GAMMA	EXISTING AZIMUTH: UNITS/GSM= 270°

NO STRUCTURAL EVALUATION HAS BEEN CONDUCTED BY ATLANTIS GROUP, INC. STRUCTURAL EVALUATION OF THE EXISTING TOWER TO ACCOMMODATE THE NEW ANTENNAS IS NOT PART OF THIS SCOPE OF WORK AND SHOULD BE DONE SEPARATELY BY THE TOWER STRUCTURAL ENGINEER. NO ADDITIONS OR MODIFICATIONS TO THE EXISTING TOWER SHALL BE MADE WITHOUT APPROVAL OF THE TOWER STRUCTURAL ENGINEER.

NORTHEAST TOWERS
 199 BRICKYARD ROAD
 HARTFORD, CT 06112
 OFFICE: (860) 671-1997
 FAX: (860) 671-1997

T-MOBILE NORTHEAST, LLC
 15 GRIFFIN ROAD SOUTH
 HARTFORD, CT 06115
 OFFICE: (860) 682-7160
 FAX: (860) 682-7159

ATLANTIS GROUP
 1340 Centre Street, Suite 203
 New Britain, CT 06109
 Office: (860) 955-0789
 Fax: 617-213-5056



APPROVALS

LANDLORD _____
 LEASING _____
 R.F. _____
 ZONING _____
 CONSTRUCTION _____
 A/E _____

DRAWN BY: GC
 CHECKED BY: SM

SUBMITTALS

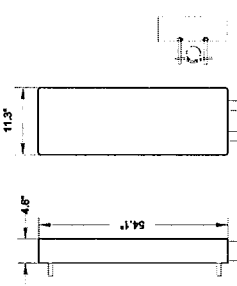
A	10/24/11	ISSUED FOR REVIEW
0	10/23/11	REVISED PER COMMENTS

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CT11661A
 HARTFORD SOUTH
 2/FRNKLN AV.
 99 MEADOW STREET
 HARTFORD, CT 06114

SHEET TITLE:
ANTENNA DETAILS

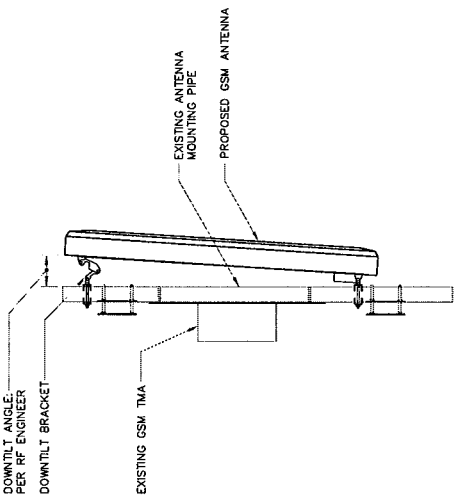
SHEET NUMBER:
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DUAL POLE ANTENNA DETAIL

MANUFACTURE: APXY18-206516L
 MODEL NO. 54.1x1.3x4.6
 DIMENSIONS - H=WOOD, (N) 54.1x1.3x4.6

2
 04



MOUNTING ASSEMBLY

1
 04

N.T.S.

NORTHEAST TOWERS
 159 BRICKYARD ROAD
 HARTFORD, CT 06115
 OFFICE: (860) 671-1997

FOR
T-MOBILE NORTHEAST, LLC
 35 CARTER ROAD SOUTH
 HARTFORD, CT 06115
 OFFICE: (860) 692-2100
 FAX: (860) 692-7159

ATLANTIS GROUP
 1340 Centre Street, Ste. 203
 Hartford, CT 06115
 Office: 617-965-0789
 Fax: 617-213-5056



APPROVALS
 LANDLORD _____
 LEASING _____
 R.F. _____
 ZONING _____
 CONSTRUCTION _____
 A/E _____

DRAWN BY: GC
 CHECKED BY: SM

SUBMITTALS
 A (3/26/11) ISSUED FOR REVIEW
 B (3/22/11) REVISED PER COMMENTS

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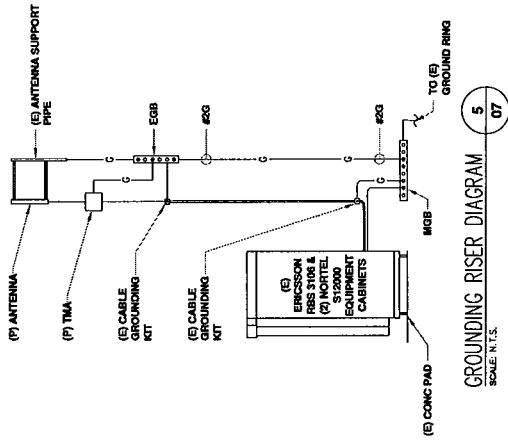
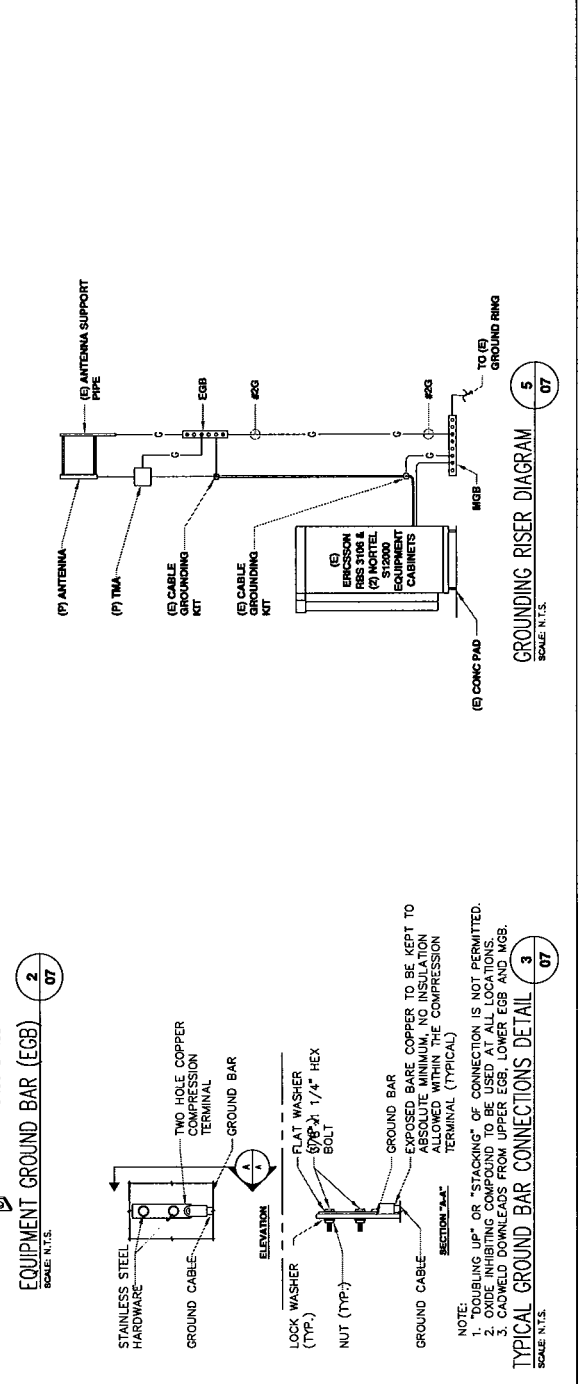
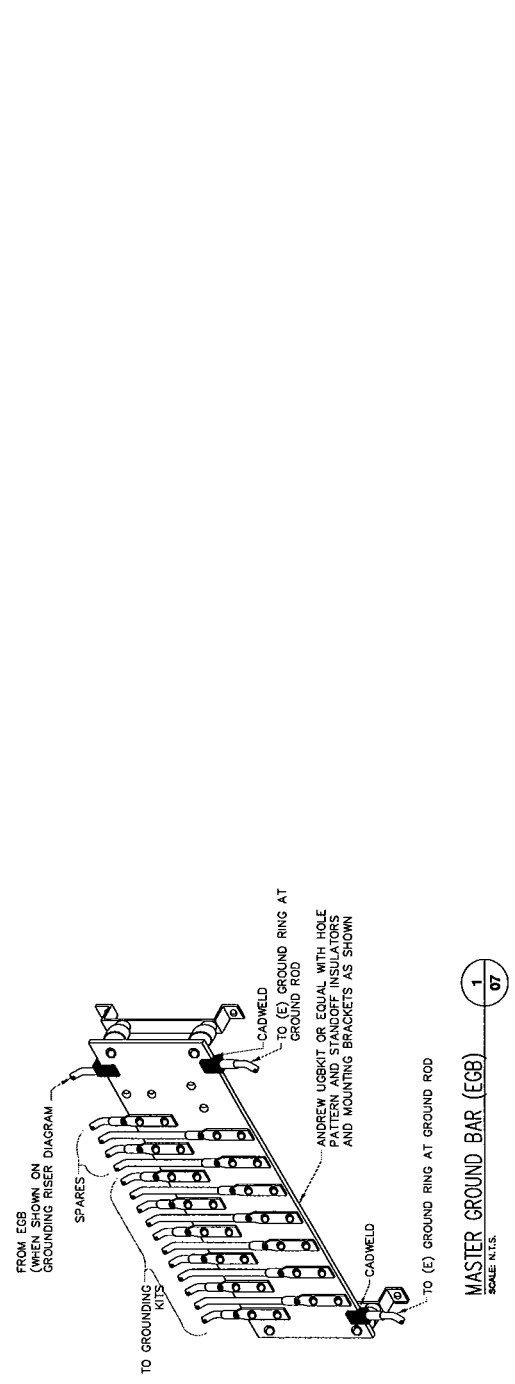
CT11661A
HARTFORD SOUTH
 2/FRANKLIN AV.
 99 HEADOW STREET
 HARTFORD, CT 06114

SHEET TITLE:
**GROUNDING NOTES,
 RISERS AND DETAILS**

SHEET NUMBER:
05

- ELECTRICAL LEGEND**
- NEW PANEL BOARD, SURFACE MOUNTED
 - EXISTING PANEL BOARD, SURFACE MOUNTED
 - DRY TYPE TRANSFORMER
 - CIRCUIT BREAKER
 - INDICATES THE LOCATION OF THE ELECTRICAL EQUIPMENT TO BE INSTALLED AT A.F.F.
 - INDICATES THE LOCATION OF THE ELECTRICAL EQUIPMENT TO BE REMOVED AT A.F.F.
 - PURABLE DISCONNECT SWITCH, MOUNTED AT A.F.F.
 - TRANSIENT VOLTAGE SURGE SUPPRESSOR WITH BUILT-IN FIBER, SURFACE MOUNTED
 - SUPLEX OUTLET, SURFACE MOUNTED
 - CONDUIT RUN TO THE EQUIPMENT TO BE INSTALLED AT A.F.F.
 - JUNCTION BOX, SURFACE MOUNTED IF A.F.F.
 - EXPOSED WIRING
 - HOME RUN, MINIMUM 90' - 9/16" IN 4" CONDUIT LOCK
 - ADVISE FINISHED FLOOR
 - UNLESS OTHERWISE NOTED
 - WEATHERPROOF
 - GROUND FAULT INTERRUPTER
 - 1/2" VOLT
 - 40/60WATT HOUR
 - CONDUIT
 - GROUND
 - MASTER GROUND * MECHANICAL CONNECTION
 - EQUIPMENT GROUND BAR * MECHANICAL CONNECTION
 - GROUND COPPER WIRE, SIZE AS NOTED
 - EXPOSED WIRING
 - 50' OF COPPER CLAD STEEL GROUND ROD
 - MECHANICAL CONNECTION
 - * EXOTHERMIC CAPPED OR MECHANICAL COMPRESSION TYPE CONNECTION
 - POWER PROTECTION CABINET

- ELECTRICAL AND GROUNDING NOTES**
- ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AS WELL AS ALL APPLICABLE STATE AND LOCAL CODES.
 - ALL ELECTRICAL WORK SHALL BE ILL. APPROVED OR LISTED AND PROVIDED PER APPROVED ELECTRICAL CONTRACTOR.
 - THE ELECTRICAL WORK INCLUDES ALL LABOR AND MATERIAL DESCRIBED BY DRAWINGS AND SPECIFICATIONS INCLUDING INCIDENTAL WORK TO PROVIDE COMPLETE OPERATING AND APPROVED ELECTRICAL SYSTEM.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SAID PERMITS AND COORDINATION OF INSPECTIONS.
 - ELECTRICAL AND TELLER WORKING OFFERS A BUILDING AND CONDUIT TO BE INSTALLED IN WATER TIGHT GALVANIZED IRON STEEL CONDUIT ON SCHEDULE 40 PERMITTED BY CODES AND WERE REQUIRED IN LIQUID TIGHT FLEXIBLE METAL OR NONMETALLIC CONDUIT.
 - SHIELD CONDUIT SHALL BE SCHEDULE 40 PVC.
 - ELECTRICAL WORK SHALL BE COPPER WITH TYPE THHN, THWN, OR OTHER INSULATED RATED ELECTRICAL CONDUIT OR CABLE BETWEEN ELECTRICAL UTILITY CONNECTION POINT AND THE RACK FULL POWER COORDINATION WITH UTILITY COMPANY.
 - RUN TELLER CONDUIT ON CABLE BETWEEN TELEPHONE UTILITY CONNECTION POINT AND PRODUCT OWNER CELL SITE TELLER CABINET AND 87% CABLE AS INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND COORDINATION OF INSPECTIONS.
 - WHERE CONDUIT BETWEEN RTR AND PRODUCT OWNER CELL SITE PVC AND BETWEEN RTR AND PRODUCT OWNER CELL SITE TELLER SERVICE CABINET ARE INTERCONNECTED USE PVC CONDUIT.
 - ALL EQUIPMENT LOCATED OUTSIDE SHALL HAVE WEAR IN ENCLOSURE.
 - PVC SUPPLIED BY PRODUCT OWNER.
 - GROUNDING SHALL COMPLY WITH NEC ART. 250.
 - GROUNDING SHALL BE MINIMUM AT BOTH ENDS USING MANUFACTURER'S COAXIAL CABLE GROUNDING KIT SUPPLIED BY PRODUCT OWNER.
 - USE AS COPPER STRANDED WIRE WITH GREEN COLOR BOLD WIRE FROM POWER GRABER BELOW GRADE GROUNDING AS INDICATED ON THE DRAWING.
 - ALL GROUND CONNECTIONS TO BE BURNED (W/ROUND COMPRESSION TYPE CONNECTIONS ON CABLES) EXCEPT WHERE NOTED OTHERWISE. ALL CONNECTIONS TO BE IN CONTACT WITH THE EQUIPMENT SURFACE.
 - THE CONTRACTOR SHALL VERIFY THE SURFACE AND DIMENSIONS OF ALL EQUIPMENT AND SHALL VERIFY THE SURFACE AND DIMENSIONS OF ALL EQUIPMENT AT THE POINT OF CONNECTION. GROUNDING LEADS SHOULD BE BENT AT RIGHT ANGLE ALWAYS MADE AT LEAST 1" RADIUS BEND. A WIRE CAN BE BENT AT 90 DEGREE ONLY AT THE POINT OF CONNECTION. ALL CONNECTIONS TO BE MADE WITH TWO HOLE COMPRESSION TYPE COPPER LEADS. APPLY OXIDE INHIBITING COMPOUND TO ALL LOCATIONS.
 - APPLY OXIDE INHIBITING COMPOUND TO ALL COMPRESSION TYPE GROUND CONNECTIONS.
 - FOR ANTENNA MOUNTING BRACKETS, COAXIAL CABLE GROUND KIT, AND TMA TO GSB PLACED NEAR THE ANTENNA LOCATION.
 - FOR ANTENNA SHIELD AND WIRE TO GROUND RING.
 - CONTRACTOR SHALL TEST COMPLETE GROUNDING SYSTEM AND RECORD RESULT FOR PRODUCT CLOSE-OUT DOCUMENTATION. 2 OHM MAXIMUM RESISTANCE REQUIRED.
 - CONTRACTOR SHALL CONDUCT ANTENNA, COAX, AND TMA RETURN LOSS AND DETACHMENT TO-FIELD MEASUREMENTS (SWR) TESTS AND RECORD RESULTS FOR PRODUCT CLOSE-OUT DOCUMENTATION.
 - CONTRACTOR SHALL CHECK CAPACITY OF EXISTING SERVICE PANEL ON SITE TO ACCOMMODATE THE LOAD OF THE PROJECT.
 - ACTIVE ENERGIES OF ALL ENERGIES TO BE DELETED.



NOTE:
 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.



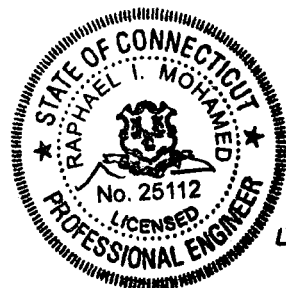
AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 148 ft FWT Monopole
ATC Site Name : Petro Lock, CT
ATC Site Number : 302468
Proposed Carrier : T-Mobile
Carrier Site Name : Hartford South 2/Franklin Ave
Carrier Site Number : CT11661A
County : Hartford
Eng. Number : 46993721
Date : March 31, 2011*
Usage : 52%
Portholes Required : No

Submitted by:
Joseph R. Johnston
Project Engineer

American Tower Engineering Services
400 Regency Forest Drive
Cary, NC 27518
Phone: 919-468-0112



Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 148 ft FWT Monopole located at 99 Meadow Street, Hartford, Connecticut, 06114, Hartford County (ATC Site No. 302468). The tower was originally designed and manufactured by FWT (Job No. 21719000, Rev.1, dated July 18, 2000).

Analysis

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

Basic Wind Speed: 100 mph (3-Second Gust)

Radial Ice: 50 mph (3-Second Gust) w/ 1-1/4" ice

Code: TIA-222-G / 2003 IBC with 2005 CT Supplements and 2009 CT Amendments

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax (in)	Carrier
147.9	1	Flash Technology FTB 324-2	Flush	-	--
147.0	9	48" x 12" Panels	Platform w/ Handrails	(12) 1 5/8	Sprint Nextel
	3	72" x 12" Panels			
135.0	6	Powerwave LGP21903	Platform w/ Handrails	(12) 1 5/8	AT&T Mobility
	6	Powerwave LGP21401			
	6	Powerwave 7750.00			
123.0	3	RFS APX16DWV-16DWVL-C	T-Arms	(12) 1 5/8	T-Mobile
113.0	3	RFS APXV18-206517	Flush	(6) 1 5/8	Youghiogheny
98.0	9	Decibel DB844H90E-A	Low Profile Platform	(18) 1 1/4	Sprint Nextel
89.0	1	DragonWave A-ANT-11G-2.5-C	Side Arms	(6) 5/16 (2) 1/2	Clearwire
	3	NextNet BTS-2500			
	3	Argus LLPX310R			
	2	DragonWave Horizon Compact			
	1	DragonWave A-ANT-18G-2-C			
76.0	2	Side Markers	Flush	-	--
20.0	1	Lucent KS-24019	Flush	(1) 1/2	Sprint Nextel

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax (in)	Carrier
123.0	6	RFS APXV18-206516L-C	T-Arms	(6) 1 5/8	T-Mobile
	3	RFS ATMAA1412D-1A20			
	3	RFS ATMPP1412D-1CWA			

Install proposed coax on outside of monopole in place of existing.

Results

The maximum structure usage is: 52%

Pole Reactions	Original Design Reactions	Original Design Reactions x 1.35*	Current Analysis Reactions	% Of Design
Moment (ft-kips)	2,489.0	3,360.2	2,566.7	76
Shear (kips)	23.9	32.3	25.1	77

*The design reactions are factored by 1.35 per TIA-222-G, Section 15.5.1

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. Note that the foundation has a safety factor greater than 2.

Conclusion

Based on the analysis results, the structure meets the requirements per TIA-222-G and 2003 IBC with 2005 CT Supplements and 2009 CT Amendments standards. The tower and foundation can support the existing and proposed antennas with the TX line distribution as described in this report.

If you have any questions or require additional information, please call 919-466-5030.

Standard Conditions

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

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

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

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

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

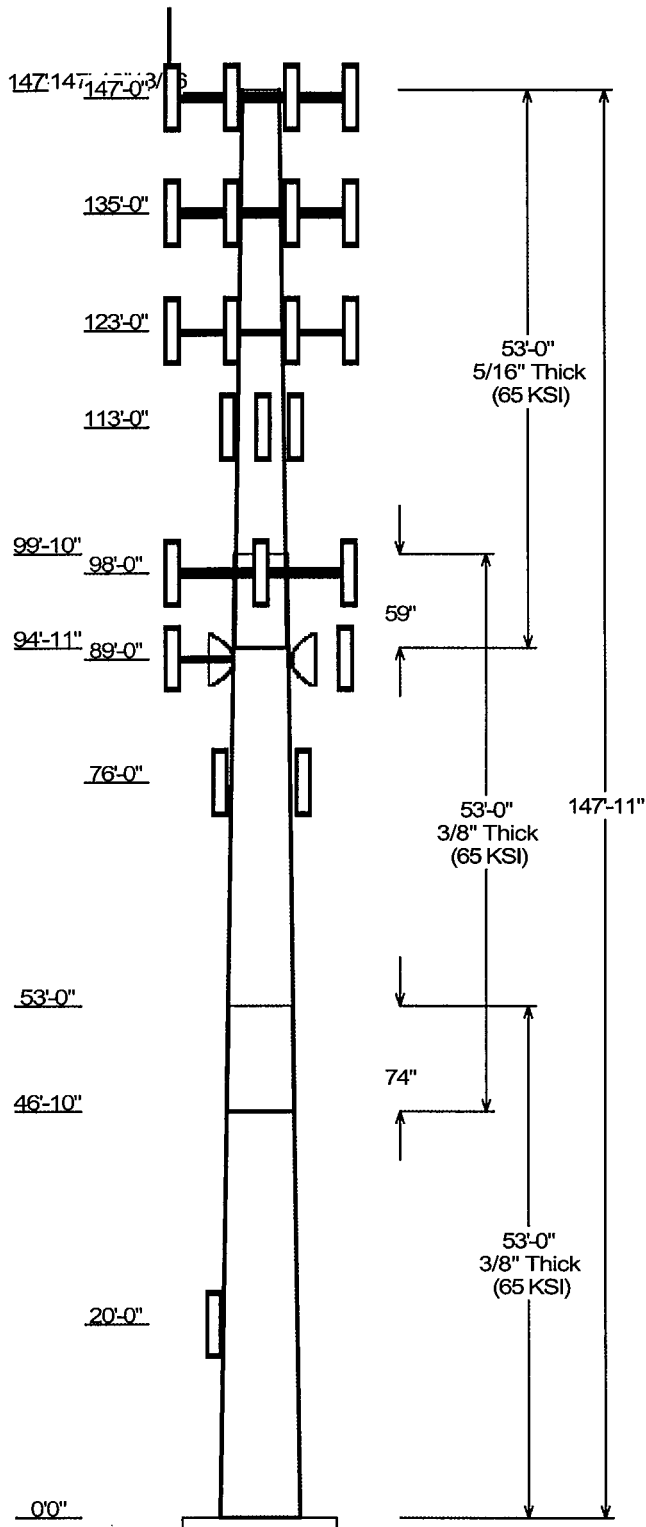
Job Information			
Pole :	302468	Code :	ANSI/TIA-222 Rev G
Description :	148' FWT Monopole	Struct Class :	II
Client :	T-Mobile	Exposure :	B
Location :	Petro Lock, CT	Topo :	1
Shape :	18 Sides	Base Elev (ft):	0.00
Height :	147.92 (ft)	Taper:	0.21456(in/ft)

Sections Properties							
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Overlap Length (in)	Taper (in/ft)	Steel Grade (ksi)
		Across Flats Top	Across Flats Bottom				
1	53.000	45.20	56.58	0.375	0.000	0.214568	65
2	53.000	35.90	47.28	0.375 Slip Joint	74.000	0.214568	65
3	53.000	26.21	37.58	0.313 Slip Joint	59.000	0.214568	65

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
147.900	149.610	1	Flash Technology FTB 324-2	
147.000	147.000	1	Flat Platform w/ Handrails	
147.000	147.000	9	48" x 12" Panels	
147.000	147.000	3	72" x 12" Panels	
135.000	135.000	6	Powerwave LGP21903	
135.000	135.000	6	Powerwave LGP21401	
135.000	135.000	1	Flat Platform w/ Handrails	
135.000	135.000	6	Powerwave 7750.00	
123.000	123.000	6	RFS APXV18-206516L-C	
123.000	123.000	3	RFS APX16DWV-16DWVL-C	
123.000	123.000	3	Round T-Arms	
123.000	123.000	3	RFS ATMAA1412D-1A20	
123.000	123.000	3	RFS ATMPP1412D-1CWA	
113.000	113.000	3	RFS APXV18-206517	
98.000	98.000	9	Decibel DB844H90E-A	
98.000	98.000	1	Round Low Profile Platform	
89.000	89.000	1	DragonWave A-ANT-11G-2.5-C	
89.000	89.000	1	Side Arms	
89.000	89.000	3	NextNet BTS-2500	
89.000	89.000	3	Argus LLPX310R	
89.000	89.000	2	DragonWave Horizon Compact	
89.000	89.000	1	DragonWave A-ANT-18G-2-C	
76.000	76.000	2	Side Markers	
20.000	20.000	1	Lucent KS-24019	

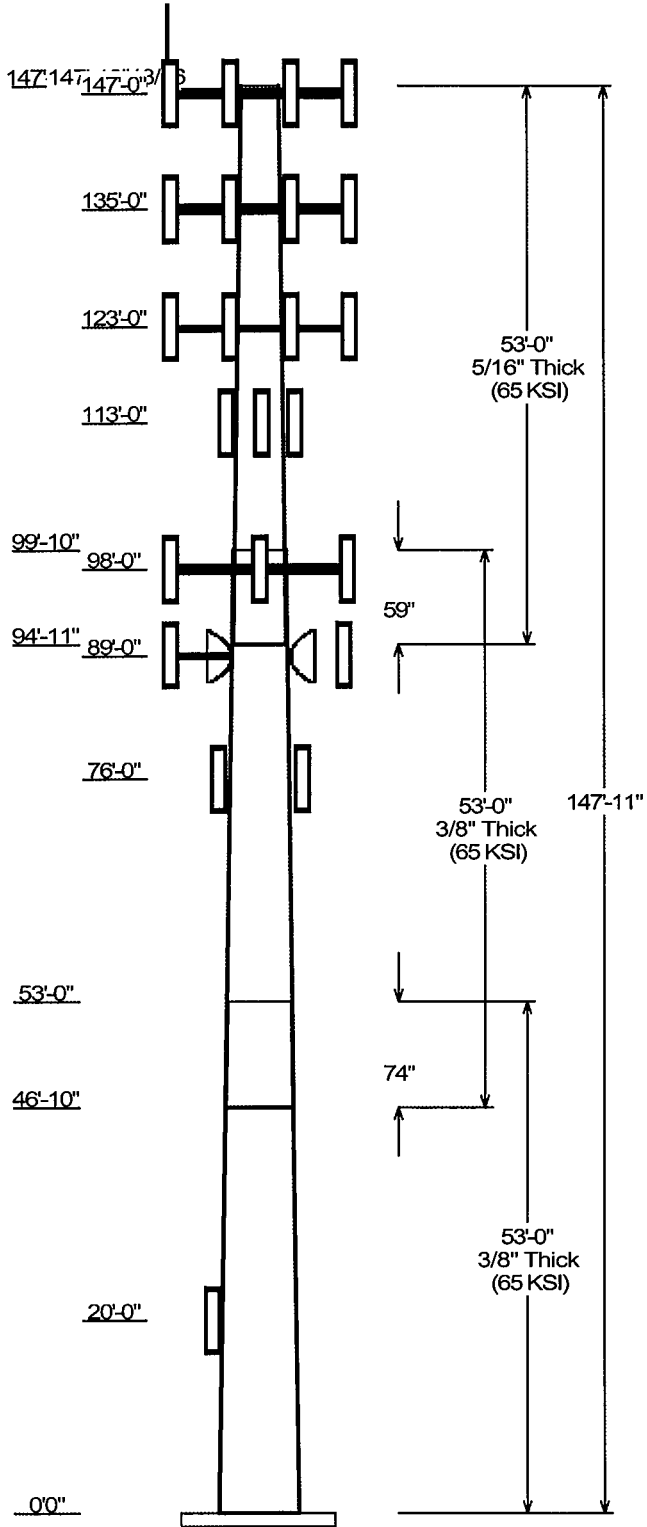
Linear Appurtenance			
Elev (ft) From	To	Description	Exposed To Wind
5.000	20.000	1/2" Coax	Yes
5.000	89.000	1/2" Coax	Yes
5.000	89.000	5/16" Coax	Yes
5.000	98.000	1 1/4" Coax	No
5.000	113.0	1 5/8" Coax	No
5.000	123.0	1 5/8" Coax	No
5.000	123.0	1 5/8" Coax	Yes
5.000	135.0	1 5/8" Coax	No
5.000	147.0	1 5/8" Coax	No

Load Cases	
1.2D + 1.6W	100.00 mph with No Ice
0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice
1.0D + 1.0W	60.00 mph Serviceability

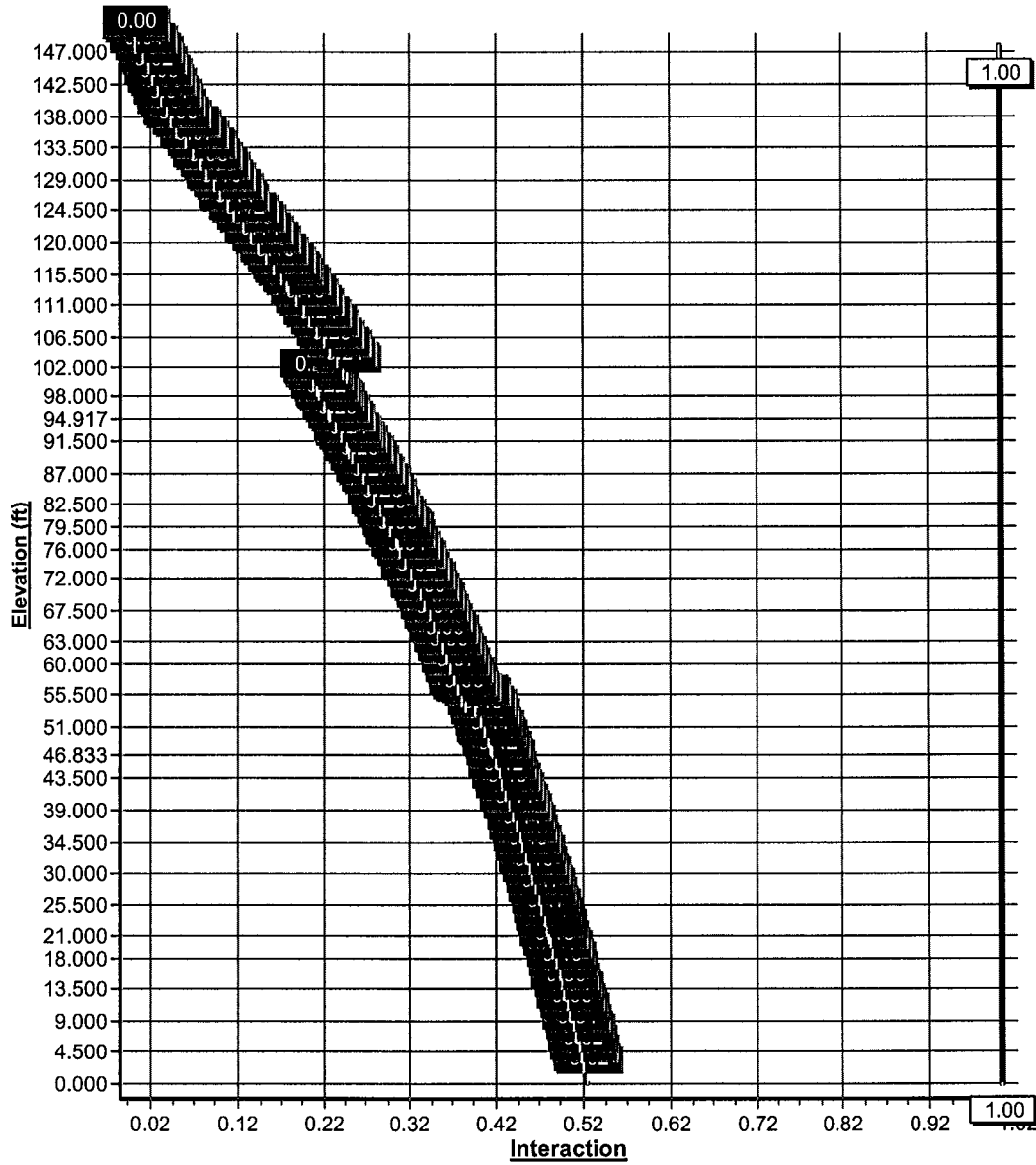


Reactions			
Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W	2566.72	25.06	47.71
0.9D + 1.6W	2544.53	25.06	35.78
1.2D + 1.0Di + 1.0Wi	753.31	7.24	93.45
1.0D + 1.0W	574.15	5.64	39.77

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	89.00	5.083	0.528
1.0D + 1.0W	89.00	5.083	0.528



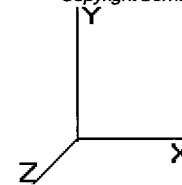
Load Case : 1.2D + 1.6W
Max Ratio 52.12% at 0.0ft



Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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 Page: 1



Shaft Section Properties

Sect Num	Length (ft)	Thick (in)	Fv (ksi)	Joint Type	Slip Joint Len (in)	Weight (lb)	Bottom				Top				Taper (in/ft)				
							Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio	Dia (in)	Elev (ft)		Area (sqin)	Ix (in^4)	W/t Ratio	D/t Ratio
1	53.000	0.3750	65		0.00	10,844	56.58	0.000	66.90	26698.9	24.84	150.8	45.20	53.00	53.36	13550.6	19.49	120.55	0.21457
2	53.000	0.3750	65	Slip Joint	74.00	8,848	47.28	46.83	55.83	15518.7	20.47	126.0	35.90	99.83	42.29	6746.8	15.12	95.76	0.21457
3	53.000	0.3125	65	Slip Joint	59.00	5,651	37.58	94.91	36.97	6490.6	19.45	120.2	26.21	147.9	25.69	2178.2	13.03	83.89	0.21457
Shaft Weight						25,342													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Weight (lb)	No Ice CaAa (sf)	CaAa Factor	Weight (lb)	Ice CaAa (sf)	CaAa Factor	Distance From Face (ft)	Vert Ecc (ft)
147.9	Flash Technolocv FTB 324-2	1	28.00	3.700	1.00	463.86	5.479	1.00	0.000	1.710
147.0	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	4368.68	77.354	1.00	0.000	0.000
147.0	48" x 12" Panels	9	30.00	5.600	0.67	284.54	6.781	0.67	0.000	0.000
147.0	72" x 12" Panels	3	40.00	8.400	0.67	402.03	10.383	0.67	0.000	0.000
135.0	Powerwave LGP21903	6	5.50	0.270	0.50	37.55	0.691	0.50	0.000	0.000
135.0	Powerwave LGP21401	6	14.10	1.290	0.50	84.58	1.925	0.50	0.000	0.000
135.0	Flat Platform w/ Handrails	1	2000.00	42.400	1.00	4348.59	77.058	1.00	0.000	0.000
135.0	Powerwave 7750.00	6	35.00	5.880	0.75	291.69	7.326	0.75	0.000	0.000
123.0	RFS APXV18-206516L-C	6	18.70	3.570	0.78	192.60	5.194	0.80	0.000	0.000
123.0	RFS APX16DWW-16DWWL-C	3	39.60	6.700	0.65	285.09	7.912	0.65	0.000	0.000
123.0	Round T-Arms	3	250.00	9.700	0.67	592.18	23.198	0.67	0.000	0.000
123.0	RFS ATMAA1412D-1A20	3	13.00	1.170	0.50	84.86	1.768	0.50	0.000	0.000
123.0	RFS ATMPP1412D-1CWA	3	12.00	1.170	0.50	80.08	1.782	0.50	0.000	0.000
113.0	RFS APXV18-206517	3	22.00	5.050	0.80	244.96	7.087	0.80	0.000	0.000
98.00	Decibel DB844H90E-A	9	10.00	3.970	0.86	213.53	4.313	0.86	0.000	0.000
98.00	Round Low Profile Platform	1	1500.00	21.700	1.00	2536.94	52.428	1.00	0.000	0.000
89.00	DragonWave A-ANT-11G-2.5-C	1	66.10	8.670	0.90	346.76	11.408	0.90	0.000	0.000
89.00	Side Arms	1	560.00	8.500	0.67	1302.09	19.764	0.67	0.000	0.000
89.00	NextNet BTS-2500	3	35.00	2.120	0.50	141.50	2.751	0.50	0.000	0.000
89.00	Argus LLPX310R	3	28.60	4.830	0.72	223.66	5.772	0.72	0.000	0.000
89.00	DragonWave Horizon Compact	2	10.60	0.430	0.50	70.21	0.889	0.50	0.000	0.000
89.00	DragonWave A-ANT-18G-2-C	1	27.10	4.690	0.90	181.79	6.710	0.90	0.000	0.000
76.00	Side Markers	2	20.00	0.800	1.00	135.76	1.978	1.00	0.000	0.000
20.00	Lucent KS-24019	1	7.00	1.000	1.00	40.84	0.695	1.00	0.000	0.000
Totals		78	8369.80			11316.06			Number of Loadings :	24

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
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5.00	135.00	(12) 1 5/8" Coax	0.00	N
5.00	123.00	(12) 1 5/8" Coax	0.00	N
5.00	123.00	(6) 1 5/8" Coax	1.98	Y
5.00	113.00	(6) 1 5/8" Coax	0.00	N
5.00	98.00	(18) 1 1/4" Coax	0.00	N
5.00	89.00	(2) 1/2" Coax	0.00	Y
5.00	89.00	(6) 5/16" Coax	0.00	Y
5.00	20.00	(1) 1/2" Coax	0.00	Y

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

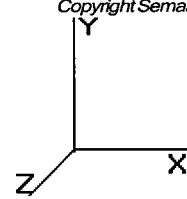
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1

Base Elev : 0.000 (ft)

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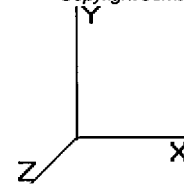
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Page: 2



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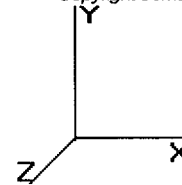
Segment Properties (Max Len : 1. ft)

Seq Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in3)	Weight (lb)
0.00		0.3750	56.580	66.895	26,698.9	24.84	150.88	72.2	929.4	0.0
1.50		0.3750	56.258	66.512	26,242.9	24.69	150.02	72.4	918.8	340.5
3.00		0.3750	55.936	66.129	25,792.0	24.54	149.16	72.5	908.2	338.5
4.50		0.3750	55.614	65.746	25,346.4	24.39	148.30	72.7	897.7	336.6
6.00		0.3750	55.292	65.363	24,905.9	24.24	147.45	72.9	887.2	334.6
7.50		0.3750	54.970	64.980	24,470.6	24.08	146.59	73.1	876.8	332.6
9.00		0.3750	54.649	64.597	24,040.4	23.93	145.73	73.3	866.5	330.7
10.50		0.3750	54.327	64.214	23,615.2	23.78	144.87	73.4	856.2	328.7
12.00		0.3750	54.005	63.831	23,195.1	23.63	144.01	73.6	846.0	326.8
13.50		0.3750	53.683	63.448	22,780.0	23.48	143.15	73.8	835.8	324.8
15.00		0.3750	53.361	63.065	22,369.9	23.33	142.30	74.0	825.7	322.9
16.50		0.3750	53.039	62.681	21,964.7	23.18	141.44	74.1	815.7	320.9
18.00		0.3750	52.717	62.298	21,564.5	23.02	140.58	74.3	805.7	319.0
19.50		0.3750	52.396	61.915	21,169.1	22.87	139.72	74.5	795.8	317.0
20.00		0.3750	52.288	61.788	21,038.4	22.82	139.44	74.6	792.5	105.2
21.00		0.3750	52.074	61.532	20,778.6	22.72	138.86	74.7	785.9	209.8
22.50		0.3750	51.752	61.149	20,392.9	22.57	138.01	74.9	776.1	313.1
24.00		0.3750	51.430	60.766	20,012.1	22.42	137.15	75.0	766.4	311.1
25.50		0.3750	51.108	60.383	19,636.0	22.27	136.29	75.2	756.7	309.2
27.00		0.3750	50.786	60.000	19,264.7	22.12	135.43	75.4	747.1	307.2
28.50		0.3750	50.465	59.617	18,898.0	21.97	134.57	75.6	737.6	305.3
30.00		0.3750	50.143	59.234	18,536.1	21.81	133.71	75.7	728.1	303.3
31.50		0.3750	49.821	58.851	18,178.8	21.66	132.86	75.9	718.7	301.4
33.00		0.3750	49.499	58.468	17,826.1	21.51	132.00	76.1	709.3	299.4
34.50		0.3750	49.177	58.085	17,478.0	21.36	131.14	76.3	700.0	297.5
36.00		0.3750	48.855	57.702	17,134.5	21.21	130.28	76.5	690.8	295.5
37.50		0.3750	48.533	57.318	16,795.5	21.06	129.42	76.6	681.6	293.5
39.00		0.3750	48.212	56.935	16,461.0	20.91	128.56	76.8	672.5	291.6
40.50		0.3750	47.890	56.552	16,130.9	20.75	127.71	77.0	663.4	289.6
42.00		0.3750	47.568	56.169	15,805.4	20.60	126.85	77.2	654.4	287.7
43.50		0.3750	47.246	55.786	15,484.2	20.45	125.99	77.3	645.5	285.7
45.00		0.3750	46.924	55.403	15,167.4	20.30	125.13	77.5	636.6	283.8
46.50		0.3750	46.602	55.020	14,855.0	20.15	124.27	77.7	627.8	281.8
46.83	Bot - Section 2	0.3750	46.531	54.935	14,786.1	20.12	124.08	77.7	625.9	62.4
48.00		0.3750	46.280	54.637	14,546.8	20.00	123.41	77.9	619.1	438.5
49.50		0.3750	45.959	54.254	14,243.0	19.85	122.56	78.1	610.4	560.4
51.00		0.3750	45.637	53.871	13,943.4	19.70	121.70	78.2	601.8	556.4
52.50		0.3750	45.315	53.488	13,648.1	19.54	120.84	78.4	593.2	552.5
53.00	Top - Section 1	0.3750	45.958	54.253	14,242.1	19.85	122.55	78.1	610.4	183.3
54.00		0.3750	45.743	53.997	14,041.9	19.75	121.98	78.2	604.6	184.2
55.50		0.3750	45.421	53.614	13,745.2	19.59	121.12	78.4	596.0	274.6
57.00		0.3750	45.099	53.231	13,452.6	19.44	120.26	78.5	587.5	272.7
58.50		0.3750	44.777	52.848	13,164.3	19.29	119.41	78.7	579.1	270.7
60.00		0.3750	44.456	52.465	12,880.1	19.14	118.55	78.9	570.7	268.8
61.50		0.3750	44.134	52.082	12,600.0	18.99	117.69	79.1	562.3	266.8
63.00		0.3750	43.812	51.699	12,324.0	18.84	116.83	79.2	554.0	264.9
64.50		0.3750	43.490	51.316	12,052.1	18.69	115.97	79.4	545.8	262.9
66.00		0.3750	43.168	50.933	11,784.2	18.53	115.12	79.6	537.7	260.9
67.50		0.3750	42.846	50.550	11,520.3	18.38	114.26	79.8	529.6	259.0
69.00		0.3750	42.525	50.167	11,260.4	18.23	113.40	80.0	521.5	257.0
70.50		0.3750	42.203	49.784	11,004.4	18.08	112.54	80.1	513.6	255.1
72.00		0.3750	41.881	49.401	10,752.3	17.93	111.68	80.3	505.7	253.1
73.50		0.3750	41.559	49.017	10,504.1	17.78	110.82	80.5	497.8	251.2
75.00		0.3750	41.237	48.634	10,259.8	17.63	109.97	80.7	490.0	249.2
76.00		0.3750	41.023	48.379	10,099.0	17.53	109.39	80.8	484.9	165.1
76.50		0.3750	40.915	48.251	10,019.3	17.48	109.11	80.8	482.3	82.2
78.00		0.3750	40.593	47.868	9,782.5	17.32	108.25	81.0	474.7	245.3
79.50		0.3750	40.272	47.485	9,549.5	17.17	107.39	81.2	467.1	243.3

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)



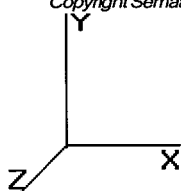
81.00		0.3750	39.950	47.102	9,320.3	17.02	106.53	81.4	459.5	241.4
82.50		0.3750	39.628	46.719	9,094.7	16.87	105.67	81.6	452.0	239.4
84.00		0.3750	39.306	46.336	8,872.8	16.72	104.82	81.7	444.6	237.5
85.50		0.3750	38.984	45.953	8,654.6	16.57	103.96	81.9	437.3	235.5
87.00		0.3750	38.662	45.570	8,440.0	16.42	103.10	82.1	430.0	233.6
88.50		0.3750	38.340	45.187	8,228.9	16.26	102.24	82.3	422.7	231.6
89.00		0.3750	38.233	45.059	8,159.3	16.21	101.96	82.3	420.3	76.8
90.00		0.3750	38.019	44.804	8,021.4	16.11	101.38	82.4	415.6	152.9
91.50		0.3750	37.697	44.421	7,817.4	15.96	100.52	82.6	408.5	227.7
93.00		0.3750	37.375	44.038	7,616.9	15.81	99.67	82.6	401.4	225.8
94.50		0.3750	37.053	43.654	7,419.8	15.66	98.81	82.6	394.4	223.8
94.92	Bot - Section 3	0.3750	36.964	43.548	7,365.7	15.62	98.57	82.6	392.5	61.8
96.00		0.3750	36.731	43.271	7,226.2	15.51	97.95	82.6	387.5	295.9
97.50		0.3750	36.409	42.888	7,036.0	15.36	97.09	82.6	380.6	406.6
98.00		0.3750	36.302	42.761	6,973.3	15.31	96.81	82.6	378.3	134.7
99.00		0.3750	36.088	42.505	6,849.1	15.21	96.23	82.6	373.8	268.3
99.83	Top - Section 2	0.3125	36.534	35.926	5,955.0	18.85	116.91	79.2	321.0	222.4
100.5		0.3125	36.391	35.784	5,884.7	18.77	116.45	79.3	318.5	81.3
102.0		0.3125	36.069	35.465	5,728.6	18.59	115.42	79.5	312.8	181.8
103.5		0.3125	35.747	35.145	5,575.3	18.41	114.39	79.8	307.2	180.2
105.0		0.3125	35.425	34.826	5,424.8	18.23	113.36	80.0	301.6	178.6
106.5		0.3125	35.103	34.507	5,277.0	18.04	112.33	80.2	296.1	176.9
108.0		0.3125	34.781	34.188	5,131.9	17.86	111.30	80.4	290.6	175.3
109.5		0.3125	34.460	33.868	4,989.5	17.68	110.27	80.6	285.2	173.7
111.0		0.3125	34.138	33.549	4,849.7	17.50	109.24	80.8	279.8	172.1
112.5		0.3125	33.816	33.230	4,712.6	17.32	108.21	81.0	274.5	170.4
113.0		0.3125	33.709	33.124	4,667.5	17.26	107.87	81.1	272.7	56.4
114.0		0.3125	33.494	32.911	4,578.1	17.14	107.18	81.2	269.2	112.3
115.5		0.3125	33.172	32.591	4,446.1	16.95	106.15	81.5	264.0	167.2
117.0		0.3125	32.850	32.272	4,316.8	16.77	105.12	81.7	258.8	165.5
118.5		0.3125	32.528	31.953	4,189.9	16.59	104.09	81.9	253.7	163.9
120.0		0.3125	32.207	31.634	4,065.6	16.41	103.06	82.1	248.6	162.3
121.5		0.3125	31.885	31.315	3,943.8	16.23	102.03	82.3	243.6	160.6
123.0		0.3125	31.563	30.995	3,824.4	16.05	101.00	82.5	238.7	159.0
124.5		0.3125	31.241	30.676	3,707.4	15.86	99.97	82.6	233.7	157.4
126.0		0.3125	30.919	30.357	3,592.9	15.68	98.94	82.6	228.9	155.8
127.5		0.3125	30.597	30.038	3,480.7	15.50	97.91	82.6	224.1	154.1
129.0		0.3125	30.275	29.718	3,370.9	15.32	96.88	82.6	219.3	152.5
130.5		0.3125	29.954	29.399	3,263.5	15.14	95.85	82.6	214.6	150.9
132.0		0.3125	29.632	29.080	3,158.3	14.96	94.82	82.6	209.9	149.2
133.5		0.3125	29.310	28.761	3,055.4	14.77	93.79	82.6	205.3	147.6
135.0		0.3125	28.988	28.442	2,954.8	14.59	92.76	82.6	200.8	146.0
136.5		0.3125	28.666	28.122	2,856.4	14.41	91.73	82.6	196.3	144.4
138.0		0.3125	28.344	27.803	2,760.3	14.23	90.70	82.6	191.8	142.7
139.5		0.3125	28.023	27.484	2,666.3	14.05	89.67	82.6	187.4	141.1
141.0		0.3125	27.701	27.165	2,574.4	13.87	88.64	82.6	183.1	139.5
142.5		0.3125	27.379	26.845	2,484.7	13.69	87.61	82.6	178.8	137.8
144.0		0.3125	27.057	26.526	2,397.2	13.50	86.58	82.6	174.5	136.2
145.5		0.3125	26.735	26.207	2,311.6	13.32	85.55	82.6	170.3	134.6
147.0		0.3125	26.413	25.888	2,228.2	13.14	84.52	82.6	166.2	133.0
147.9		0.3125	26.220	25.696	2,179.1	13.03	83.90	82.6	163.7	79.0
147.9		0.3125	26.216	25.693	2,178.2	13.03	83.89	82.6	163.6	1.5

25,342.4

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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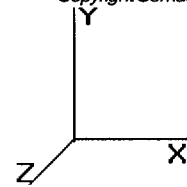
Load Case: 1.2D + 1.6W	100.00 mph with No Ice	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

Shaft Segment Forces (Factored)

Seg Top		Ice						Wind		Dead	Tot Dead			
Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Force X (lb)	Load Ice (lb)	Load (lb)
0.00		1.00	0.70	17.024	18.72	400.56	0.650	0.00	0.00	0.000	0.00	0.0	0.0	0.0
1.50		1.00	0.70	17.024	18.72	398.29	0.650	0.00	1.50	7.161	4.65	139.5	0.0	408.6
3.00		1.00	0.70	17.024	18.72	396.01	0.650	0.00	1.50	7.120	4.63	138.7	0.0	406.2
4.50		1.00	0.70	17.024	18.72	393.73	0.650	0.00	1.50	7.079	4.60	137.9	0.0	403.9
6.00		1.00	0.70	17.024	18.72	391.45	0.650	0.00	1.50	7.039	4.58	137.1	0.0	401.5
7.50		1.00	0.70	17.024	18.72	389.17	0.650	0.00	1.50	6.998	4.55	136.3	0.0	399.2
9.00		1.00	0.70	17.024	18.72	386.89	0.650	0.00	1.50	6.957	4.52	135.5	0.0	396.8
10.50		1.00	0.70	17.024	18.72	384.61	0.650	0.00	1.50	6.916	4.50	134.7	0.0	394.5
12.00		1.00	0.70	17.024	18.72	382.34	0.650	0.00	1.50	6.875	4.47	133.9	0.0	392.1
13.50		1.00	0.70	17.024	18.72	380.06	0.650	0.00	1.50	6.834	4.44	133.1	0.0	389.8
15.00		1.00	0.70	17.024	18.72	377.78	0.650	0.00	1.50	6.793	4.42	132.3	0.0	387.4
16.50		1.00	0.70	17.024	18.72	375.50	0.650	0.00	1.50	6.753	4.39	131.5	0.0	385.1
18.00		1.00	0.70	17.024	18.72	373.22	0.650	0.00	1.50	6.712	4.36	130.7	0.0	382.8
19.50		1.00	0.70	17.024	18.72	370.94	0.650	0.00	1.50	6.671	4.34	129.9	0.0	380.4
20.00	Appertunance(s)	1.00	0.70	17.024	18.72	370.18	0.650	0.00	0.50	2.215	1.44	43.1	0.0	126.3
21.00		1.00	0.70	17.024	18.72	368.66	0.650	0.00	1.00	4.416	2.87	86.0	0.0	251.8
22.50		1.00	0.70	17.024	18.72	366.38	0.650	0.00	1.50	6.589	4.28	128.3	0.0	375.7
24.00		1.00	0.70	17.024	18.72	364.11	0.650	0.00	1.50	6.548	4.26	127.5	0.0	373.4
25.50		1.00	0.70	17.024	18.72	361.83	0.650	0.00	1.50	6.508	4.23	126.7	0.0	371.0
27.00		1.00	0.70	17.024	18.72	359.55	0.650	0.00	1.50	6.467	4.20	125.9	0.0	368.7
28.50		1.00	0.70	17.024	18.72	357.27	0.650	0.00	1.50	6.426	4.18	125.1	0.0	366.3
30.00		1.00	0.70	17.038	18.74	355.14	0.650	0.00	1.50	6.385	4.15	124.5	0.0	364.0
31.50		1.00	0.71	17.278	19.00	355.33	0.650	0.00	1.50	6.344	4.12	125.4	0.0	361.6
33.00		1.00	0.72	17.509	19.26	355.39	0.650	0.00	1.50	6.303	4.10	126.3	0.0	359.3
34.50		1.00	0.72	17.733	19.50	355.33	0.650	0.00	1.50	6.262	4.07	127.0	0.0	356.9
36.00		1.00	0.73	17.949	19.74	355.15	0.650	0.00	1.50	6.222	4.04	127.8	0.0	354.6
37.50		1.00	0.74	18.160	19.97	354.88	0.650	0.00	1.50	6.181	4.02	128.4	0.0	352.2
39.00		1.00	0.75	18.365	20.20	354.51	0.650	0.00	1.50	6.140	3.99	129.0	0.0	349.9
40.50		1.00	0.76	18.564	20.42	354.04	0.650	0.00	1.50	6.099	3.96	129.5	0.0	347.6
42.00		1.00	0.77	18.758	20.63	353.49	0.650	0.00	1.50	6.058	3.94	130.0	0.0	345.2
43.50		1.00	0.77	18.947	20.84	352.87	0.650	0.00	1.50	6.017	3.91	130.4	0.0	342.9
45.00		1.00	0.78	19.131	21.04	352.17	0.650	0.00	1.50	5.976	3.88	130.8	0.0	340.5
46.50		1.00	0.79	19.311	21.24	351.39	0.650	0.00	1.50	5.936	3.86	131.1	0.0	338.2
46.83	Bot - Section 2	1.00	0.79	19.351	21.28	351.21	0.650	0.00	0.33	1.313	0.85	29.1	0.0	74.8
48.00		1.00	0.80	19.487	21.43	350.55	0.650	0.00	1.17	4.655	3.03	103.8	0.0	526.2
49.50		1.00	0.80	19.659	21.62	349.65	0.650	0.00	1.50	5.949	3.87	133.8	0.0	672.4
51.00		1.00	0.81	19.828	21.81	348.68	0.650	0.00	1.50	5.908	3.84	134.0	0.0	667.7
52.50		1.00	0.82	19.993	21.99	347.66	0.650	0.00	1.50	5.867	3.81	134.2	0.0	663.0
53.00	Top - Section 1	1.00	0.82	20.047	22.05	347.31	0.650	0.00	0.50	1.947	1.27	44.6	0.0	220.0
54.00		1.00	0.82	20.154	22.17	352.36	0.650	0.00	1.00	3.880	2.52	89.5	0.0	221.0
55.50		1.00	0.83	20.312	22.34	351.25	0.650	0.00	1.50	5.786	3.76	134.4	0.0	329.6
57.00		1.00	0.84	20.468	22.51	350.10	0.650	0.00	1.50	5.745	3.73	134.5	0.0	327.2
58.50		1.00	0.84	20.620	22.68	348.89	0.650	0.00	1.50	5.704	3.71	134.6	0.0	324.9
60.00		1.00	0.85	20.770	22.84	347.64	0.650	0.00	1.50	5.663	3.68	134.6	0.0	322.5
61.50		1.00	0.86	20.917	23.00	346.34	0.650	0.00	1.50	5.622	3.65	134.5	0.0	320.2
63.00		1.00	0.86	21.062	23.16	345.00	0.650	0.00	1.50	5.581	3.63	134.5	0.0	317.8
64.50		1.00	0.87	21.204	23.32	343.62	0.650	0.00	1.50	5.541	3.60	134.4	0.0	315.5
66.00		1.00	0.87	21.343	23.47	342.20	0.650	0.00	1.50	5.500	3.57	134.3	0.0	313.1
67.50		1.00	0.88	21.481	23.62	340.74	0.650	0.00	1.50	5.459	3.55	134.1	0.0	310.8
69.00		1.00	0.88	21.616	23.77	339.24	0.650	0.00	1.50	5.418	3.52	134.0	0.0	308.4
70.50		1.00	0.89	21.749	23.92	337.71	0.650	0.00	1.50	5.377	3.50	133.8	0.0	306.1

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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



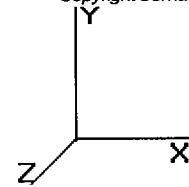
Load Case: 1.2D + 1.6W	100.00 mph with No Ice	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

72.00		1.00	0.90	21.881	24.06	336.14	0.650	0.00	1.50	5.336	3.47	133.6	0.0	303.8
73.50		1.00	0.90	22.010	24.21	334.54	0.650	0.00	1.50	5.295	3.44	133.3	0.0	301.4
75.00		1.00	0.91	22.137	24.35	332.91	0.650	0.00	1.50	5.255	3.42	133.1	0.0	299.1
76.00	Appertunance(s)	1.00	0.91	22.221	24.44	331.81	0.650	0.00	1.00	3.480	2.26	88.5	0.0	198.1
76.50		1.00	0.91	22.263	24.48	331.25	0.650	0.00	0.50	1.733	1.13	44.1	0.0	98.6
78.00		1.00	0.92	22.387	24.62	329.56	0.650	0.00	1.50	5.173	3.36	132.5	0.0	294.4
79.50		1.00	0.92	22.509	24.76	327.84	0.650	0.00	1.50	5.132	3.34	132.2	0.0	292.0
81.00		1.00	0.93	22.630	24.89	326.08	0.650	0.00	1.50	5.091	3.31	131.8	0.0	289.7
82.50		1.00	0.93	22.748	25.02	324.31	0.650	0.00	1.50	5.050	3.28	131.4	0.0	287.3
84.00		1.00	0.94	22.866	25.15	322.50	0.650	0.00	1.50	5.009	3.26	131.0	0.0	285.0
85.50		1.00	0.94	22.982	25.28	320.67	0.650	0.00	1.50	4.969	3.23	130.6	0.0	282.6
87.00		1.00	0.95	23.096	25.40	318.81	0.650	0.00	1.50	4.928	3.20	130.2	0.0	280.3
88.50		1.00	0.95	23.209	25.53	316.93	0.650	0.00	1.50	4.887	3.18	129.8	0.0	277.9
89.00	Appertunance(s)	1.00	0.95	23.247	25.57	316.30	0.650	0.00	0.50	1.620	1.05	43.1	0.0	92.1
90.00		1.00	0.95	23.321	25.65	315.03	0.650	0.00	1.00	3.226	2.10	86.1	0.0	183.5
91.50		1.00	0.96	23.431	25.77	313.10	0.650	0.00	1.50	4.805	3.12	128.8	0.0	273.2
93.00		1.00	0.96	23.541	25.89	311.15	0.650	0.00	1.50	4.764	3.10	128.3	0.0	270.9
94.50		1.00	0.97	23.648	26.01	309.18	0.650	0.00	1.50	4.724	3.07	127.8	0.0	268.6
94.92	Bot - Section 3	1.00	0.97	23.678	26.04	308.62	0.650	0.00	0.42	1.305	0.85	35.3	0.0	74.2
96.00		1.00	0.97	23.755	26.13	307.18	0.650	0.00	1.08	3.435	2.23	93.4	0.0	355.1
97.50		1.00	0.98	23.861	26.24	305.16	0.650	0.00	1.50	4.721	3.07	128.9	0.0	487.9
98.00	Appertunance(s)	1.00	0.98	23.895	26.28	304.49	0.650	0.00	0.50	1.565	1.02	42.8	0.0	161.7
99.00		1.00	0.98	23.965	26.36	303.13	0.650	0.00	1.00	3.116	2.03	85.4	0.0	321.9
99.83	Top - Section 2	1.00	0.98	24.022	26.42	301.99	0.650	0.00	0.83	2.583	1.68	71.0	0.0	266.8
100.5		1.00	0.99	24.068	26.47	306.33	0.650	0.00	0.67	2.057	1.34	56.6	0.0	97.6
102.0		1.00	0.99	24.170	26.58	304.26	0.650	0.00	1.50	4.599	2.99	127.2	0.0	218.2
103.5		1.00	0.99	24.271	26.69	302.18	0.650	0.00	1.50	4.558	2.96	126.6	0.0	216.2
105.0		1.00	1.00	24.371	26.80	300.07	0.650	0.00	1.50	4.517	2.94	125.9	0.0	214.3
106.5		1.00	1.00	24.470	26.91	297.95	0.650	0.00	1.50	4.476	2.91	125.3	0.0	212.3
108.0		1.00	1.01	24.568	27.02	295.81	0.650	0.00	1.50	4.435	2.88	124.7	0.0	210.4
109.5		1.00	1.01	24.665	27.13	293.65	0.650	0.00	1.50	4.394	2.86	124.0	0.0	208.4
111.0		1.00	1.01	24.761	27.23	291.47	0.650	0.00	1.50	4.353	2.83	123.3	0.0	206.5
112.5		1.00	1.02	24.856	27.34	289.28	0.650	0.00	1.50	4.313	2.80	122.6	0.0	204.5
113.0	Appertunance(s)	1.00	1.02	24.888	27.37	288.54	0.650	0.00	0.50	1.428	0.93	40.7	0.0	67.7
114.0		1.00	1.02	24.951	27.44	287.07	0.650	0.00	1.00	2.843	1.85	81.2	0.0	134.8
115.5		1.00	1.03	25.044	27.54	284.84	0.650	0.00	1.50	4.231	2.75	121.2	0.0	200.6
117.0		1.00	1.03	25.136	27.65	282.60	0.650	0.00	1.50	4.190	2.72	120.5	0.0	198.6
118.5		1.00	1.03	25.228	27.75	280.34	0.650	0.00	1.50	4.149	2.70	119.7	0.0	196.7
120.0		1.00	1.04	25.319	27.85	278.06	0.650	0.00	1.50	4.108	2.67	119.0	0.0	194.7
121.5		1.00	1.04	25.409	27.95	275.77	0.650	0.00	1.50	4.068	2.64	118.2	0.0	192.8
123.0	Appertunance(s)	1.00	1.04	25.498	28.04	273.47	0.650	0.00	1.50	4.027	2.62	117.5	0.0	190.8
124.5		1.00	1.05	25.587	28.14	271.15	0.650	0.00	1.50	3.986	2.59	116.7	0.0	188.9
126.0		1.00	1.05	25.674	28.24	268.82	0.650	0.00	1.50	3.945	2.56	115.9	0.0	186.9
127.5		1.00	1.05	25.761	28.33	266.47	0.650	0.00	1.50	3.904	2.54	115.1	0.0	185.0
129.0		1.00	1.06	25.848	28.43	264.11	0.650	0.00	1.50	3.863	2.51	114.2	0.0	183.0
130.5		1.00	1.06	25.933	28.52	261.73	0.650	0.00	1.50	3.822	2.48	113.4	0.0	181.0
132.0		1.00	1.07	26.018	28.62	259.34	0.650	0.00	1.50	3.782	2.46	112.6	0.0	179.1
133.5		1.00	1.07	26.102	28.71	256.94	0.650	0.00	1.50	3.741	2.43	111.7	0.0	177.1
135.0	Appertunance(s)	1.00	1.07	26.185	28.80	254.52	0.650	0.00	1.50	3.700	2.40	110.8	0.0	175.2
136.5		1.00	1.08	26.268	28.89	252.09	0.650	0.00	1.50	3.659	2.38	110.0	0.0	173.2
138.0		1.00	1.08	26.350	28.98	249.65	0.650	0.00	1.50	3.618	2.35	109.1	0.0	171.3
139.5		1.00	1.08	26.432	29.07	247.20	0.650	0.00	1.50	3.577	2.33	108.2	0.0	169.3
141.0		1.00	1.09	26.513	29.16	244.73	0.650	0.00	1.50	3.536	2.30	107.3	0.0	167.4
142.5		1.00	1.09	26.593	29.25	242.26	0.650	0.00	1.50	3.496	2.27	106.3	0.0	165.4
144.0		1.00	1.09	26.673	29.34	239.77	0.650	0.00	1.50	3.455	2.25	105.4	0.0	163.5
145.5		1.00	1.10	26.752	29.42	237.27	0.650	0.00	1.50	3.414	2.22	104.5	0.0	161.5
147.0	Appertunance(s)	1.00	1.10	26.830	29.51	234.75	0.650	0.00	1.50	3.373	2.19	103.5	0.0	159.5

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)



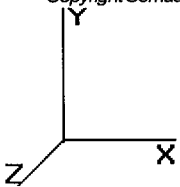
Load Case: 1.2D + 1.6W	100.00 mph with No Ice	27 Iterations
Gust Response Factor: 1.10		Wind Importance Factor: 1.00
Dead Load Factor: 1.20		
Wind Load Factor: 1.60		

147.9	Appertunance(s)	1.00	1.10	26.877	29.56	233.24	0.650	0.00	0.90	2.004	1.30	61.6	0.0	94.8
147.9		1.00	1.10	26.878	29.56	233.21	0.650	0.00	0.02	0.038	0.02	1.2	0.0	1.8
Totals:								147.92				12,475.0	0.0	30,410.9

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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 Struct Class : II
 Exposure Category : B
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 Base Elev : 0.000 (ft)

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 Page: 8



Load Case: 1.2D + 1.6W	100.00 mph with No Ice	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

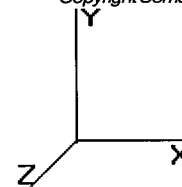
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
20.00	Lucent KS-24019	1	17.024	18.726	1.00	1.00	1.00	0.000	0.000	29.96	0.00	0.00	8.40
76.00	Side Markers	2	22.221	24.443	1.00	1.00	1.60	0.000	0.000	62.58	0.00	0.00	48.00
89.00	DragonWave A-ANT-	1	23.247	25.571	0.90	1.00	7.80	0.000	0.000	319.25	0.00	0.00	79.32
89.00	Side Arms	1	23.247	25.571	0.67	1.00	5.70	0.000	0.000	233.01	0.00	0.00	672.00
89.00	NextNet BTS-2500	3	23.247	25.571	0.40	0.80	2.54	0.000	0.000	104.09	0.00	0.00	126.00
89.00	Argus LLPX310R	3	23.247	25.571	0.58	0.80	8.35	0.000	0.000	341.48	0.00	0.00	102.96
89.00	DragonWave Horizon	2	23.247	25.571	0.40	0.80	0.34	0.000	0.000	14.07	0.00	0.00	25.44
89.00	DragonWave A-ANT-	1	23.247	25.571	0.72	0.80	3.38	0.000	0.000	138.16	0.00	0.00	32.52
98.00	Decibel DB844H90E-A	9	23.895	26.285	0.69	0.80	24.58	0.000	0.000	1,033.83	0.00	0.00	108.00
98.00	Round Low Profile PI	1	23.895	26.285	1.00	1.00	21.70	0.000	0.000	912.61	0.00	0.00	1,800.00
113.0	RFS APXV18-206517	3	24.888	27.377	0.80	1.00	12.12	0.000	0.000	530.89	0.00	0.00	79.20
123.0	RFS APXV18-206516L-	6	25.498	28.048	0.62	0.80	13.37	0.000	0.000	599.83	0.00	0.00	134.64
123.0	RFS APX16DWV-	3	25.498	28.048	0.52	0.80	10.45	0.000	0.000	469.05	0.00	0.00	142.56
123.0	Round T-Arms	3	25.498	28.048	0.50	0.75	14.62	0.000	0.000	656.22	0.00	0.00	900.00
123.0	RFS ATMAA1412D-	3	25.498	28.048	0.40	0.80	1.40	0.000	0.000	63.01	0.00	0.00	46.80
123.0	RFS ATMPP1412D-	3	25.498	28.048	0.40	0.80	1.40	0.000	0.000	63.01	0.00	0.00	43.20
135.0	Powerwave LGP21903	6	26.185	28.804	0.38	0.75	0.61	0.000	0.000	28.00	0.00	0.00	39.60
135.0	Powerwave LGP21401	6	26.185	28.804	0.38	0.75	2.90	0.000	0.000	133.77	0.00	0.00	101.52
135.0	Flat Platform w/ Han	1	26.185	28.804	1.00	1.00	42.40	0.000	0.000	1,954.06	0.00	0.00	2,400.00
135.0	Powerwave 7750.00	6	26.185	28.804	0.56	0.75	19.84	0.000	0.000	914.59	0.00	0.00	252.00
147.0	Flat Platform w/ Han	1	26.830	29.513	1.00	1.00	42.40	0.000	0.000	2,002.19	0.00	0.00	2,400.00
147.0	48" x 12" Panels	9	26.830	29.513	0.50	0.75	25.33	0.000	0.000	1,195.93	0.00	0.00	324.00
147.0	72" x 12" Panels	3	26.830	29.513	0.50	0.75	12.66	0.000	0.000	597.97	0.00	0.00	144.00
147.9	Flash Technology FTB	1	26.966	29.662	1.00	1.00	3.70	0.000	1.710	175.60	0.00	300.28	33.60
										12,573.13			10,043.76

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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	100.00 mph with No Ice	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

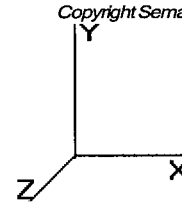
Linear Appurtenance Segment Forces (Factored)

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)
6.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	17.024	0.023	0.000	0.00	5.90
6.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.023	0.000	0.00	0.36
6.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.023	0.000	0.00	0.32
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.023	0.000	0.00	0.18
7.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.035	0.000	0.00	8.85
7.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.035	0.000	0.00	0.54
7.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.035	0.000	0.00	0.49
7.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.035	0.000	0.00	0.27
9.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	8.85
9.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.54
9.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.49
9.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.27
10.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	8.85
10.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.54
10.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.49
10.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.27
12.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	8.85
12.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.54
12.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.49
12.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.27
13.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	8.85
13.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.54
13.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.49
13.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.27
15.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	8.85
15.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.54
15.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.49
15.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.27
16.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.037	0.000	0.00	8.85
16.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.54
16.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.49
16.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.27
18.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.037	0.000	0.00	8.85
18.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.54
18.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.49
18.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.27
19.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.037	0.000	0.00	8.85
19.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.54
19.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.49
19.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.27
20.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	17.024	0.037	0.000	0.00	2.95
20.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.18
20.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.16
20.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.09
21.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	17.024	0.037	0.000	0.00	5.90
21.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.36
21.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.32
22.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.038	0.000	0.00	8.85
22.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.54
22.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.49
24.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.038	0.000	0.00	8.85

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)



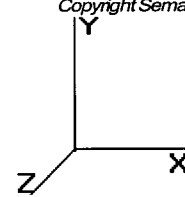
Load Case: 1.2D + 1.6W	100.00 mph with No Ice	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

24.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.54
24.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.49
25.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.038	0.000	0.00	8.85
25.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.54
25.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.49
27.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.038	0.000	0.00	8.85
27.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.54
27.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.49
28.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.039	0.000	0.00	8.85
28.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.039	0.000	0.00	0.54
28.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.039	0.000	0.00	0.49
30.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.038	0.039	0.000	0.00	8.85
30.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.038	0.039	0.000	0.00	0.54
30.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.038	0.039	0.000	0.00	0.49
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.278	0.039	0.000	0.00	8.85
31.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.278	0.039	0.000	0.00	0.54
31.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.278	0.039	0.000	0.00	0.49
33.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.509	0.039	0.000	0.00	8.85
33.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.509	0.039	0.000	0.00	0.54
33.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.509	0.039	0.000	0.00	0.49
34.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.733	0.040	0.000	0.00	8.85
34.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.733	0.040	0.000	0.00	0.54
34.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.733	0.040	0.000	0.00	0.49
36.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.949	0.040	0.000	0.00	8.85
36.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.949	0.040	0.000	0.00	0.54
36.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.949	0.040	0.000	0.00	0.49
37.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.160	0.040	0.000	0.00	8.85
37.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.160	0.040	0.000	0.00	0.54
37.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.160	0.040	0.000	0.00	0.49
39.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.365	0.040	0.000	0.00	8.85
39.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.365	0.040	0.000	0.00	0.54
39.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.365	0.040	0.000	0.00	0.49
40.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.564	0.041	0.000	0.00	8.85
40.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.564	0.041	0.000	0.00	0.54
40.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.564	0.041	0.000	0.00	0.49
42.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.758	0.041	0.000	0.00	8.85
42.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.758	0.041	0.000	0.00	0.54
42.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.758	0.041	0.000	0.00	0.49
43.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.947	0.041	0.000	0.00	8.85
43.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.947	0.041	0.000	0.00	0.54
43.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.947	0.041	0.000	0.00	0.49
45.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.131	0.041	0.000	0.00	8.85
45.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.131	0.041	0.000	0.00	0.54
45.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.131	0.041	0.000	0.00	0.49
46.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.311	0.042	0.000	0.00	8.85
46.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.311	0.042	0.000	0.00	0.54
46.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.311	0.042	0.000	0.00	0.49
46.83	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.06	0.00	19.351	0.042	0.000	0.00	1.97
46.83	(2) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	19.351	0.042	0.000	0.00	0.12
46.83	(6) 5/16" Coax	Yes	0.33	0.000	0.00	0.00	0.00	19.351	0.042	0.000	0.00	0.11
48.00	(6) 1 5/8" Coax	Yes	1.17	0.000	1.98	0.19	0.00	19.487	0.042	0.000	0.00	6.89
48.00	(2) 1/2" Coax	Yes	1.17	0.000	0.00	0.00	0.00	19.487	0.042	0.000	0.00	0.42
48.00	(6) 5/16" Coax	Yes	1.17	0.000	0.00	0.00	0.00	19.487	0.042	0.000	0.00	0.38
49.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.659	0.042	0.000	0.00	8.85
49.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.659	0.042	0.000	0.00	0.54
49.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.659	0.042	0.000	0.00	0.49
51.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.828	0.043	0.000	0.00	8.85

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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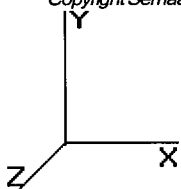
Load Case: 1.2D + 1.6W 100.00 mph with No Ice 27 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor :1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

51.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.828	0.043	0.000	0.00	0.54
51.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.828	0.043	0.000	0.00	0.49
52.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.993	0.043	0.000	0.00	8.85
52.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.993	0.043	0.000	0.00	0.54
52.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.993	0.043	0.000	0.00	0.49
53.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	20.047	0.043	0.000	0.00	2.95
53.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	20.047	0.043	0.000	0.00	0.18
53.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	20.047	0.043	0.000	0.00	0.16
54.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	20.154	0.043	0.000	0.00	5.90
54.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.154	0.043	0.000	0.00	0.36
54.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.154	0.043	0.000	0.00	0.32
55.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.312	0.043	0.000	0.00	8.85
55.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.312	0.043	0.000	0.00	0.54
55.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.312	0.043	0.000	0.00	0.49
57.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.468	0.043	0.000	0.00	8.85
57.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.468	0.043	0.000	0.00	0.54
57.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.468	0.043	0.000	0.00	0.49
58.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.620	0.043	0.000	0.00	8.85
58.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.620	0.043	0.000	0.00	0.54
58.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.620	0.043	0.000	0.00	0.49
60.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.770	0.044	0.000	0.00	8.85
60.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.770	0.044	0.000	0.00	0.54
60.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.770	0.044	0.000	0.00	0.49
61.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.917	0.044	0.000	0.00	8.85
61.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.917	0.044	0.000	0.00	0.54
61.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.917	0.044	0.000	0.00	0.49
63.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.062	0.044	0.000	0.00	8.85
63.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.062	0.044	0.000	0.00	0.54
63.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.062	0.044	0.000	0.00	0.49
64.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.204	0.045	0.000	0.00	8.85
64.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.204	0.045	0.000	0.00	0.54
64.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.204	0.045	0.000	0.00	0.49
66.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.343	0.045	0.000	0.00	8.85
66.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.343	0.045	0.000	0.00	0.54
66.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.343	0.045	0.000	0.00	0.49
67.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.481	0.045	0.000	0.00	8.85
67.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.481	0.045	0.000	0.00	0.54
67.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.481	0.045	0.000	0.00	0.49
69.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.616	0.046	0.000	0.00	8.85
69.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.616	0.046	0.000	0.00	0.54
69.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.616	0.046	0.000	0.00	0.49
70.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.749	0.046	0.000	0.00	8.85
70.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.749	0.046	0.000	0.00	0.54
70.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.749	0.046	0.000	0.00	0.49
72.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.881	0.046	0.000	0.00	8.85
72.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.881	0.046	0.000	0.00	0.54
72.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.881	0.046	0.000	0.00	0.49
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.010	0.047	0.000	0.00	8.85
73.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.010	0.047	0.000	0.00	0.54
73.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.010	0.047	0.000	0.00	0.49
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.137	0.047	0.000	0.00	8.85
75.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.137	0.047	0.000	0.00	0.54
75.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.137	0.047	0.000	0.00	0.49
76.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.221	0.047	0.000	0.00	5.90
76.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.047	0.000	0.00	0.36
76.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.047	0.000	0.00	0.32
76.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	22.263	0.048	0.000	0.00	2.95

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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Load Case: 1.2D + 1.6W 100.00 mph with No Ice 27 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

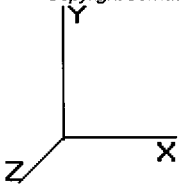
76.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	22.263	0.048	0.000	0.00	0.18
76.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	22.263	0.048	0.000	0.00	0.16
78.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.387	0.048	0.000	0.00	8.85
78.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.387	0.048	0.000	0.00	0.54
78.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.387	0.048	0.000	0.00	0.49
79.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.509	0.048	0.000	0.00	8.85
79.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.509	0.048	0.000	0.00	0.54
79.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.509	0.048	0.000	0.00	0.49
81.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.630	0.049	0.000	0.00	8.85
81.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.630	0.049	0.000	0.00	0.54
81.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.630	0.049	0.000	0.00	0.49
82.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.748	0.049	0.000	0.00	8.85
82.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.748	0.049	0.000	0.00	0.54
82.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.748	0.049	0.000	0.00	0.49
84.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.866	0.049	0.000	0.00	8.85
84.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.866	0.049	0.000	0.00	0.54
84.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.866	0.049	0.000	0.00	0.49
85.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.982	0.050	0.000	0.00	8.85
85.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.982	0.050	0.000	0.00	0.54
85.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.982	0.050	0.000	0.00	0.49
87.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.096	0.050	0.000	0.00	8.85
87.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	23.096	0.050	0.000	0.00	0.54
87.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	23.096	0.050	0.000	0.00	0.49
88.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.209	0.051	0.000	0.00	8.85
88.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	23.209	0.051	0.000	0.00	0.54
88.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	23.209	0.051	0.000	0.00	0.49
89.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	23.247	0.051	0.000	0.00	2.95
89.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	23.247	0.051	0.000	0.00	0.18
89.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	23.247	0.051	0.000	0.00	0.16
90.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.321	0.051	0.000	0.00	5.90
91.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.431	0.052	0.000	0.00	8.85
93.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.541	0.052	0.000	0.00	8.85
94.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.648	0.052	0.000	0.00	8.85
94.92	(6) 1 5/8" Coax	Yes	0.42	0.000	1.98	0.07	0.00	23.678	0.053	0.000	0.00	2.46
96.00	(6) 1 5/8" Coax	Yes	1.08	0.000	1.98	0.18	0.00	23.755	0.053	0.000	0.00	6.40
97.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.861	0.053	0.000	0.00	8.85
98.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	23.895	0.054	0.000	0.00	2.95
99.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.965	0.054	0.000	0.00	5.90
99.83	(6) 1 5/8" Coax	Yes	0.83	0.000	1.98	0.14	0.00	24.022	0.054	0.000	0.00	4.92
100.5	(6) 1 5/8" Coax	Yes	0.67	0.000	1.98	0.11	0.00	24.068	0.053	0.000	0.00	3.94
102.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.170	0.054	0.000	0.00	8.85
103.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.271	0.054	0.000	0.00	8.85
105.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.371	0.055	0.000	0.00	8.85
106.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.470	0.055	0.000	0.00	8.85
108.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.568	0.056	0.000	0.00	8.85
109.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.665	0.056	0.000	0.00	8.85
111.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.761	0.057	0.000	0.00	8.85
112.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.856	0.057	0.000	0.00	8.85
113.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	24.888	0.058	0.000	0.00	2.95
114.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	24.951	0.058	0.000	0.00	5.90
115.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.044	0.058	0.000	0.00	8.85
117.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.136	0.059	0.000	0.00	8.85
118.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.228	0.060	0.000	0.00	8.85
120.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.319	0.060	0.000	0.00	8.85
121.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.409	0.061	0.000	0.00	8.85
123.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.498	0.061	0.000	0.00	8.85

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.6W

100.00 mph with No Ice

27 Iterations

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

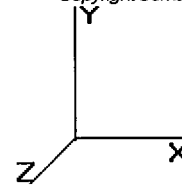
Wind Importance Factor :1.00

Totals: 0.00 756.74

Pole : 302468
 Location : Petro Lock, CT
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 Topographic Category : 1

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Load Case: 1.2D + 1.6W

100.00 mph with No Ice

27 Iterations

Gust Response Factor : 1.10

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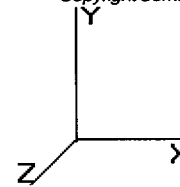
Wind Load Factor : 1.60

Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.50	139.47	408.56	0.00	0.00
3.00	138.67	406.21	0.00	0.00
4.50	137.88	403.87	0.00	0.00
6.00	137.08	463.22	0.00	0.00
7.50	136.28	491.72	0.00	0.00
9.00	135.49	489.37	0.00	0.00
10.50	134.69	487.03	0.00	0.00
12.00	133.90	484.68	0.00	0.00
13.50	133.10	482.33	0.00	0.00
15.00	132.31	479.99	0.00	0.00
16.50	131.51	477.64	0.00	0.00
18.00	130.71	475.29	0.00	0.00
19.50	129.92	472.95	0.00	0.00
20.00	73.09	165.53	0.00	0.00
21.00	85.99	313.29	0.00	0.00
22.50	128.33	467.99	0.00	0.00
24.00	127.53	465.64	0.00	0.00
25.50	126.74	463.29	0.00	0.00
27.00	125.94	460.95	0.00	0.00
28.50	125.15	458.60	0.00	0.00
30.00	124.45	456.25	0.00	0.00
31.50	125.39	453.91	0.00	0.00
33.00	126.25	451.56	0.00	0.00
34.50	127.04	449.22	0.00	0.00
36.00	127.75	446.87	0.00	0.00
37.50	128.40	444.52	0.00	0.00
39.00	128.99	442.18	0.00	0.00
40.50	129.52	439.83	0.00	0.00
42.00	130.00	437.48	0.00	0.00
43.50	130.42	435.14	0.00	0.00
45.00	130.80	432.79	0.00	0.00
46.50	131.13	430.45	0.00	0.00
46.83	29.08	95.34	0.00	0.00
48.00	103.78	598.01	0.00	0.00
49.50	133.80	764.70	0.00	0.00
51.00	134.01	760.01	0.00	0.00
52.50	134.20	755.31	0.00	0.00
53.00	44.64	250.73	0.00	0.00
54.00	89.45	282.53	0.00	0.00
55.50	134.44	421.83	0.00	0.00
57.00	134.52	419.49	0.00	0.00
58.50	134.55	417.14	0.00	0.00
60.00	134.56	414.80	0.00	0.00
61.50	134.54	412.45	0.00	0.00
63.00	134.48	410.10	0.00	0.00
64.50	134.40	407.76	0.00	0.00
66.00	134.29	405.41	0.00	0.00
67.50	134.15	403.06	0.00	0.00
69.00	133.98	400.72	0.00	0.00

Pole : 302468
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 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W	100.00 mph with No Ice	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

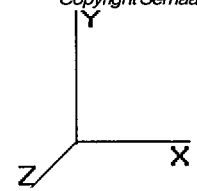
70.50	133.79	398.37	0.00	0.00
72.00	133.58	396.03	0.00	0.00
73.50	133.34	393.68	0.00	0.00
75.00	133.07	391.33	0.00	0.00
76.00	151.05	307.59	0.00	0.00
76.50	44.15	129.40	0.00	0.00
78.00	132.48	386.64	0.00	0.00
79.50	132.15	384.29	0.00	0.00
81.00	131.80	381.95	0.00	0.00
82.50	131.43	379.60	0.00	0.00
84.00	131.04	377.26	0.00	0.00
85.50	130.63	374.91	0.00	0.00
87.00	130.20	372.56	0.00	0.00
88.50	129.75	370.22	0.00	0.00
89.00	1,193.14	1,161.12	0.00	0.00
90.00	86.07	244.30	0.00	0.00
91.50	128.81	364.50	0.00	0.00
93.00	128.31	362.15	0.00	0.00
94.50	127.79	359.80	0.00	0.00
94.92	35.35	99.53	0.00	0.00
96.00	93.35	420.97	0.00	0.00
97.50	128.87	579.18	0.00	0.00
98.00	1,989.21	2,100.10	0.00	0.00
99.00	85.42	369.17	0.00	0.00
99.83	70.97	306.18	0.00	0.00
100.5	56.63	129.09	0.00	0.00
102.0	127.15	289.04	0.00	0.00
103.5	126.55	287.08	0.00	0.00
105.0	125.93	285.13	0.00	0.00
106.5	125.30	283.17	0.00	0.00
108.0	124.65	281.22	0.00	0.00
109.5	123.99	279.26	0.00	0.00
111.0	123.32	277.31	0.00	0.00
112.5	122.63	275.35	0.00	0.00
113.0	571.56	170.55	0.00	0.00
114.0	81.16	176.14	0.00	0.00
115.5	121.22	262.58	0.00	0.00
117.0	120.49	260.63	0.00	0.00
118.5	119.75	258.67	0.00	0.00
120.0	119.00	256.72	0.00	0.00
121.5	118.23	254.76	0.00	0.00
123.0	1,968.57	1,520.01	0.00	0.00
124.5	116.67	224.29	0.00	0.00
126.0	115.87	222.33	0.00	0.00
127.5	115.06	220.38	0.00	0.00
129.0	114.23	218.42	0.00	0.00
130.5	113.40	216.47	0.00	0.00
132.0	112.56	214.51	0.00	0.00
133.5	111.70	212.56	0.00	0.00
135.0	3,141.24	3,003.72	0.00	0.00
136.5	109.96	190.94	0.00	0.00
138.0	109.07	188.98	0.00	0.00
139.5	108.17	187.03	0.00	0.00
141.0	107.26	185.07	0.00	0.00
142.5	106.34	183.12	0.00	0.00
144.0	105.42	181.16	0.00	0.00
145.5	104.48	179.21	0.00	0.00

Pole : 302468
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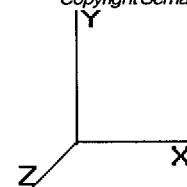


Load Case: 1.2D + 1.6W 100.00 mph with No Ice 27 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 1.20
Wind Load Factor : 1.60

147.0	3,899.62	3,045.25	0.00	0.00
147.9	237.22	128.38	0.00	300.28
147.9	1.16	1.79	0.00	0.00
Totals:	25,048.12	47,718.87	0.00	300.28

Pole : 302468
 Location : Petro Lock, CT
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 Topographic Category : 1
 Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W 100.00 mph with No Ice 27 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	-47.71	-25.06	0.00	-2,566.72	0.00	2,566.72	4,345.86	2,172.93	10,048.4	5,031.69	0.00	0.00	0.521
1.50	-47.28	-24.96	0.00	-2,529.12	0.00	2,529.12	4,331.63	2,165.82	9,957.80	4,986.30	0.01	-0.04	0.518
3.00	-46.86	-24.85	0.00	-2,491.69	0.00	2,491.69	4,317.28	2,158.64	9,867.26	4,940.97	0.03	-0.08	0.515
4.50	-46.44	-24.75	0.00	-2,454.41	0.00	2,454.41	4,302.80	2,151.40	9,776.83	4,895.68	0.06	-0.12	0.512
6.00	-45.96	-24.64	0.00	-2,417.29	0.00	2,417.29	4,288.20	2,144.10	9,686.50	4,850.45	0.10	-0.16	0.509
7.50	-45.45	-24.54	0.00	-2,380.32	0.00	2,380.32	4,273.48	2,136.74	9,596.29	4,805.28	0.16	-0.20	0.506
9.00	-44.94	-24.43	0.00	-2,343.52	0.00	2,343.52	4,258.63	2,129.32	9,506.19	4,760.16	0.23	-0.25	0.503
10.50	-44.44	-24.33	0.00	-2,306.87	0.00	2,306.87	4,243.67	2,121.83	9,416.22	4,715.11	0.32	-0.29	0.500
12.00	-43.94	-24.22	0.00	-2,270.38	0.00	2,270.38	4,228.57	2,114.29	9,326.38	4,670.12	0.42	-0.33	0.497
13.50	-43.44	-24.12	0.00	-2,234.05	0.00	2,234.05	4,213.36	2,106.68	9,236.67	4,625.20	0.53	-0.37	0.493
15.00	-42.94	-24.01	0.00	-2,197.87	0.00	2,197.87	4,198.03	2,099.01	9,147.09	4,580.35	0.65	-0.41	0.490
16.50	-42.45	-23.91	0.00	-2,161.86	0.00	2,161.86	4,182.57	2,091.28	9,057.66	4,535.56	0.78	-0.45	0.487
18.00	-41.96	-23.80	0.00	-2,125.99	0.00	2,125.99	4,166.99	2,083.49	8,968.38	4,490.86	0.93	-0.49	0.484
19.50	-41.47	-23.69	0.00	-2,090.29	0.00	2,090.29	4,151.28	2,075.64	8,879.26	4,446.23	1.10	-0.54	0.480
20.00	-41.30	-23.63	0.00	-2,078.44	0.00	2,078.44	4,146.02	2,073.01	8,849.58	4,431.37	1.15	-0.55	0.479
21.00	-40.97	-23.57	0.00	-2,054.81	0.00	2,054.81	4,135.46	2,067.73	8,790.29	4,401.68	1.27	-0.58	0.477
22.50	-40.49	-23.46	0.00	-2,019.46	0.00	2,019.46	4,119.50	2,059.75	8,701.48	4,357.21	1.46	-0.62	0.473
24.00	-40.01	-23.36	0.00	-1,984.27	0.00	1,984.27	4,103.43	2,051.72	8,612.84	4,312.82	1.66	-0.66	0.470
25.50	-39.53	-23.26	0.00	-1,949.23	0.00	1,949.23	4,087.24	2,043.62	8,524.37	4,268.52	1.88	-0.70	0.466
27.00	-39.05	-23.15	0.00	-1,914.34	0.00	1,914.34	4,070.92	2,035.46	8,436.08	4,224.31	2.11	-0.75	0.463
28.50	-38.58	-23.05	0.00	-1,879.61	0.00	1,879.61	4,054.48	2,027.24	8,347.97	4,180.19	2.35	-0.79	0.459
30.00	-38.11	-22.95	0.00	-1,845.04	0.00	1,845.04	4,037.92	2,018.96	8,260.05	4,136.16	2.60	-0.83	0.456
31.50	-37.64	-22.84	0.00	-1,810.61	0.00	1,810.61	4,021.23	2,010.62	8,172.32	4,092.24	2.87	-0.87	0.452
33.00	-37.17	-22.74	0.00	-1,776.35	0.00	1,776.35	4,004.42	2,002.21	8,084.79	4,048.40	3.15	-0.91	0.448
34.50	-36.71	-22.63	0.00	-1,742.25	0.00	1,742.25	3,987.49	1,993.75	7,997.46	4,004.67	3.45	-0.96	0.444
36.00	-36.25	-22.52	0.00	-1,708.30	0.00	1,708.30	3,970.44	1,985.22	7,910.34	3,961.05	3.75	-1.00	0.441
37.50	-35.79	-22.41	0.00	-1,674.52	0.00	1,674.52	3,953.26	1,976.63	7,823.43	3,917.53	4.07	-1.04	0.437
39.00	-35.33	-22.30	0.00	-1,640.90	0.00	1,640.90	3,935.96	1,967.98	7,736.73	3,874.12	4.41	-1.08	0.433
40.50	-34.88	-22.19	0.00	-1,607.45	0.00	1,607.45	3,918.54	1,959.27	7,650.26	3,830.82	4.75	-1.12	0.429
42.00	-34.43	-22.07	0.00	-1,574.17	0.00	1,574.17	3,900.99	1,950.50	7,564.01	3,787.63	5.12	-1.17	0.425
43.50	-33.98	-21.96	0.00	-1,541.06	0.00	1,541.06	3,883.32	1,941.66	7,478.00	3,744.56	5.49	-1.21	0.420
45.00	-33.53	-21.84	0.00	-1,508.12	0.00	1,508.12	3,865.53	1,932.77	7,392.22	3,701.60	5.88	-1.25	0.416
46.50	-33.10	-21.72	0.00	-1,475.36	0.00	1,475.36	3,847.62	1,923.81	7,306.68	3,658.77	6.28	-1.29	0.412
46.83	-32.99	-21.70	0.00	-1,468.12	0.00	1,468.12	3,843.62	1,921.81	7,287.71	3,649.27	6.37	-1.30	0.411
48.00	-32.38	-21.60	0.00	-1,442.80	0.00	1,442.80	3,829.58	1,914.79	7,221.39	3,616.06	6.69	-1.33	0.408
49.50	-31.61	-21.47	0.00	-1,410.40	0.00	1,410.40	3,811.43	1,905.71	7,136.35	3,573.48	7.12	-1.38	0.403
51.00	-30.84	-21.34	0.00	-1,378.19	0.00	1,378.19	3,793.14	1,896.57	7,051.57	3,531.02	7.56	-1.42	0.399
52.50	-30.07	-21.21	0.00	-1,346.17	0.00	1,346.17	3,774.74	1,887.37	6,967.04	3,488.70	8.01	-1.46	0.394
53.00	-29.82	-21.17	0.00	-1,335.57	0.00	1,335.57	3,811.37	1,905.68	7,136.09	3,573.35	8.16	-1.47	0.382
54.00	-29.52	-21.09	0.00	-1,314.40	0.00	1,314.40	3,799.20	1,899.60	7,079.54	3,545.03	8.47	-1.50	0.379
55.50	-29.09	-20.96	0.00	-1,282.77	0.00	1,282.77	3,780.83	1,890.42	6,994.93	3,502.66	8.95	-1.54	0.374
57.00	-28.66	-20.83	0.00	-1,251.33	0.00	1,251.33	3,762.35	1,881.17	6,910.58	3,460.43	9.44	-1.58	0.369
58.50	-28.23	-20.71	0.00	-1,220.08	0.00	1,220.08	3,743.74	1,871.87	6,826.51	3,418.33	9.95	-1.62	0.365
60.00	-27.81	-20.58	0.00	-1,189.02	0.00	1,189.02	3,725.00	1,862.50	6,742.70	3,376.36	10.46	-1.66	0.360
61.50	-27.39	-20.45	0.00	-1,158.15	0.00	1,158.15	3,706.15	1,853.08	6,659.18	3,334.54	10.99	-1.70	0.355
63.00	-26.97	-20.32	0.00	-1,127.48	0.00	1,127.48	3,687.17	1,843.59	6,575.94	3,292.86	11.53	-1.74	0.350
64.50	-26.55	-20.19	0.00	-1,096.99	0.00	1,096.99	3,668.07	1,834.04	6,492.98	3,251.32	12.08	-1.78	0.345
66.00	-26.14	-20.06	0.00	-1,066.70	0.00	1,066.70	3,648.85	1,824.43	6,410.33	3,209.93	12.65	-1.81	0.340
67.50	-25.72	-19.93	0.00	-1,036.61	0.00	1,036.61	3,629.50	1,814.75	6,327.97	3,168.69	13.22	-1.85	0.334
69.00	-25.32	-19.80	0.00	-1,006.70	0.00	1,006.70	3,610.04	1,805.02	6,245.91	3,127.60	13.81	-1.89	0.329
70.50	-24.91	-19.67	0.00	-977.00	0.00	977.00	3,590.45	1,795.22	6,164.16	3,086.66	14.41	-1.93	0.324

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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Load Case: 1.2D + 1.6W

100.00 mph with No Ice

27 Iterations

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

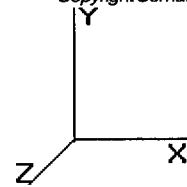
Wind Importance Factor :1.00

72.00	-24.50	-19.54	0.00	-947.49	0.00	947.49	3,570.73	1,785.37	6,082.73	3,045.88	15.02	-1.96	0.318
73.50	-24.10	-19.41	0.00	-918.17	0.00	918.17	3,550.89	1,775.45	6,001.61	3,005.27	15.65	-2.00	0.312
75.00	-23.71	-19.28	0.00	-889.06	0.00	889.06	3,530.94	1,765.47	5,920.82	2,964.81	16.28	-2.04	0.307
76.00	-23.40	-19.12	0.00	-869.78	0.00	869.78	3,517.56	1,758.78	5,867.14	2,937.93	16.71	-2.06	0.303
76.50	-23.26	-19.08	0.00	-860.22	0.00	860.22	3,510.85	1,755.43	5,840.35	2,924.52	16.93	-2.07	0.301
78.00	-22.87	-18.95	0.00	-831.59	0.00	831.59	3,490.65	1,745.32	5,760.22	2,884.39	17.58	-2.11	0.295
79.50	-22.48	-18.82	0.00	-803.17	0.00	803.17	3,470.32	1,735.16	5,680.42	2,844.43	18.25	-2.15	0.289
81.00	-22.09	-18.69	0.00	-774.94	0.00	774.94	3,449.87	1,724.94	5,600.97	2,804.65	18.93	-2.18	0.283
82.50	-21.71	-18.55	0.00	-746.91	0.00	746.91	3,429.30	1,714.65	5,521.86	2,765.04	19.62	-2.22	0.277
84.00	-21.32	-18.42	0.00	-719.08	0.00	719.08	3,408.60	1,704.30	5,443.11	2,725.60	20.33	-2.25	0.270
85.50	-20.94	-18.29	0.00	-691.45	0.00	691.45	3,387.79	1,693.89	5,364.72	2,686.34	21.04	-2.28	0.264
87.00	-20.56	-18.15	0.00	-664.02	0.00	664.02	3,366.84	1,683.42	5,286.68	2,647.27	21.76	-2.32	0.257
88.50	-20.19	-18.02	0.00	-636.78	0.00	636.78	3,345.78	1,672.89	5,209.02	2,608.38	22.50	-2.35	0.250
89.00	-19.08	-16.78	0.00	-627.77	0.00	627.77	3,338.73	1,669.37	5,183.21	2,595.46	22.74	-2.36	0.248
90.00	-18.83	-16.70	0.00	-610.99	0.00	610.99	3,324.59	1,662.30	5,131.72	2,569.67	23.24	-2.38	0.244
91.50	-18.46	-16.56	0.00	-585.95	0.00	585.95	3,300.23	1,650.12	5,050.13	2,528.82	23.99	-2.42	0.237
93.00	-18.10	-16.43	0.00	-561.11	0.00	561.11	3,271.77	1,635.89	4,962.98	2,485.18	24.76	-2.45	0.231
94.50	-17.74	-16.29	0.00	-536.46	0.00	536.46	3,243.31	1,621.65	4,876.58	2,441.91	25.53	-2.48	0.225
94.92	-17.63	-16.26	0.00	-529.68	0.00	529.68	3,235.40	1,617.70	4,852.71	2,429.96	25.75	-2.49	0.224
96.00	-17.21	-16.15	0.00	-512.06	0.00	512.06	3,214.85	1,607.42	4,790.94	2,399.03	26.32	-2.51	0.219
97.50	-16.63	-16.00	0.00	-487.84	0.00	487.84	3,186.39	1,593.19	4,706.06	2,356.53	27.11	-2.54	0.212
98.00	-14.62	-13.93	0.00	-479.83	0.00	479.83	3,176.90	1,588.45	4,677.94	2,342.44	27.38	-2.55	0.210
99.00	-14.25	-13.83	0.00	-465.91	0.00	465.91	3,157.93	1,578.96	4,621.94	2,314.41	27.91	-2.57	0.206
99.83	-13.94	-13.75	0.00	-454.38	0.00	454.38	2,561.71	1,280.85	3,809.78	1,907.72	28.36	-2.58	0.244
100.50	-13.81	-13.69	0.00	-445.22	0.00	445.22	2,554.65	1,277.32	3,784.15	1,894.89	28.72	-2.60	0.240
102.00	-13.52	-13.56	0.00	-424.68	0.00	424.68	2,538.68	1,269.34	3,726.65	1,866.10	29.54	-2.63	0.233
103.50	-13.23	-13.43	0.00	-404.34	0.00	404.34	2,522.58	1,261.29	3,669.40	1,837.43	30.37	-2.66	0.225
105.00	-12.95	-13.29	0.00	-384.20	0.00	384.20	2,506.36	1,253.18	3,612.41	1,808.89	31.21	-2.69	0.218
106.50	-12.66	-13.16	0.00	-364.26	0.00	364.26	2,490.02	1,245.01	3,555.67	1,780.48	32.06	-2.72	0.210
108.00	-12.38	-13.03	0.00	-344.52	0.00	344.52	2,473.56	1,236.78	3,499.19	1,752.20	32.92	-2.75	0.202
109.50	-12.10	-12.90	0.00	-324.97	0.00	324.97	2,456.97	1,228.49	3,442.98	1,724.05	33.79	-2.77	0.194
111.00	-11.83	-12.77	0.00	-305.63	0.00	305.63	2,440.26	1,220.13	3,387.05	1,696.04	34.66	-2.80	0.185
112.50	-11.55	-12.63	0.00	-286.48	0.00	286.48	2,423.43	1,211.72	3,331.39	1,668.17	35.55	-2.83	0.177
113.00	-11.41	-12.06	0.00	-280.16	0.00	280.16	2,417.79	1,208.90	3,312.90	1,658.91	35.84	-2.84	0.174
114.00	-11.23	-11.97	0.00	-268.10	0.00	268.10	2,406.48	1,203.24	3,276.01	1,640.44	36.44	-2.85	0.168
115.50	-10.97	-11.84	0.00	-250.14	0.00	250.14	2,389.40	1,194.70	3,220.91	1,612.85	37.34	-2.88	0.160
117.00	-10.71	-11.71	0.00	-232.38	0.00	232.38	2,372.20	1,186.10	3,166.11	1,585.41	38.25	-2.90	0.151
118.50	-10.46	-11.58	0.00	-214.81	0.00	214.81	2,354.88	1,177.44	3,111.61	1,558.12	39.16	-2.92	0.142
120.00	-10.20	-11.46	0.00	-197.43	0.00	197.43	2,337.43	1,168.72	3,057.40	1,530.97	40.08	-2.94	0.133
121.50	-9.95	-11.33	0.00	-180.25	0.00	180.25	2,319.86	1,159.93	3,003.51	1,503.99	41.01	-2.96	0.124
123.00	-8.53	-9.29	0.00	-163.25	0.00	163.25	2,302.17	1,151.09	2,949.92	1,477.15	41.94	-2.98	0.114
124.50	-8.31	-9.16	0.00	-149.33	0.00	149.33	2,279.08	1,139.54	2,889.96	1,447.13	42.88	-3.00	0.107
126.00	-8.09	-9.04	0.00	-135.58	0.00	135.58	2,255.37	1,127.68	2,829.83	1,417.02	43.83	-3.01	0.099
127.50	-7.88	-8.91	0.00	-122.03	0.00	122.03	2,231.65	1,115.82	2,770.33	1,387.22	44.77	-3.03	0.092
129.00	-7.66	-8.79	0.00	-108.66	0.00	108.66	2,207.93	1,103.97	2,711.46	1,357.74	45.73	-3.04	0.084
130.50	-7.45	-8.66	0.00	-95.48	0.00	95.48	2,184.22	1,092.11	2,653.22	1,328.58	46.69	-3.06	0.075
132.00	-7.24	-8.54	0.00	-82.49	0.00	82.49	2,160.50	1,080.25	2,595.62	1,299.74	47.65	-3.07	0.067
133.50	-7.03	-8.42	0.00	-69.67	0.00	69.67	2,136.78	1,068.39	2,538.65	1,271.21	48.61	-3.08	0.058
135.00	-4.20	-5.12	0.00	-57.04	0.00	57.04	2,113.07	1,056.53	2,482.31	1,243.00	49.58	-3.09	0.048
136.50	-4.02	-5.00	0.00	-49.36	0.00	49.36	2,089.35	1,044.67	2,426.60	1,215.10	50.55	-3.10	0.043
138.00	-3.83	-4.88	0.00	-41.86	0.00	41.86	2,065.63	1,032.82	2,371.53	1,187.53	51.53	-3.10	0.037
139.50	-3.65	-4.77	0.00	-34.53	0.00	34.53	2,041.91	1,020.96	2,317.09	1,160.27	52.50	-3.11	0.032
141.00	-3.47	-4.65	0.00	-27.38	0.00	27.38	2,018.20	1,009.10	2,263.28	1,133.32	53.48	-3.11	0.026
142.50	-3.29	-4.53	0.00	-20.41	0.00	20.41	1,994.48	997.24	2,210.10	1,106.69	54.46	-3.12	0.020
144.00	-3.12	-4.42	0.00	-13.61	0.00	13.61	1,970.76	985.38	2,157.55	1,080.38	55.44	-3.12	0.014
145.50	-2.95	-4.30	0.00	-6.98	0.00	6.98	1,947.05	973.52	2,105.64	1,054.39	56.42	-3.12	0.008
147.00	-0.12	-0.25	0.00	-0.52	0.00	0.52	1,923.33	961.67	2,054.36	1,028.71	57.40	-3.12	0.001

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)

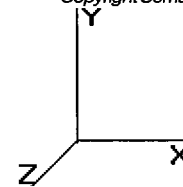


Load Case: 1.2D + 1.6W 100.00 mph with No Ice 27 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 1.20
Wind Load Factor : 1.60

147.90	0.00	0.00	0.00	0.00	0.00	0.00	1,909.10	954.55	2,023.89	1,013.45	57.99	-3.12	0.000
147.92	0.00	0.00	0.00	0.00	0.00	0.00	1,908.83	954.42	2,023.32	1,013.16	58.00	-3.12	0.000

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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



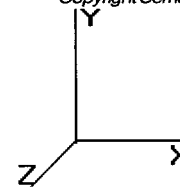
Load Case: 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	17.024	18.72	400.56	0.650	0.00	0.00	0.000	0.00	0.0	0.0	0.0
1.50		1.00	0.70	17.024	18.72	398.29	0.650	0.00	1.50	7.161	4.65	139.5	0.0	306.4
3.00		1.00	0.70	17.024	18.72	396.01	0.650	0.00	1.50	7.120	4.63	138.7	0.0	304.7
4.50		1.00	0.70	17.024	18.72	393.73	0.650	0.00	1.50	7.079	4.60	137.9	0.0	302.9
6.00		1.00	0.70	17.024	18.72	391.45	0.650	0.00	1.50	7.039	4.58	137.1	0.0	301.1
7.50		1.00	0.70	17.024	18.72	389.17	0.650	0.00	1.50	6.998	4.55	136.3	0.0	299.4
9.00		1.00	0.70	17.024	18.72	386.89	0.650	0.00	1.50	6.957	4.52	135.5	0.0	297.6
10.50		1.00	0.70	17.024	18.72	384.61	0.650	0.00	1.50	6.916	4.50	134.7	0.0	295.9
12.00		1.00	0.70	17.024	18.72	382.34	0.650	0.00	1.50	6.875	4.47	133.9	0.0	294.1
13.50		1.00	0.70	17.024	18.72	380.06	0.650	0.00	1.50	6.834	4.44	133.1	0.0	292.3
15.00		1.00	0.70	17.024	18.72	377.78	0.650	0.00	1.50	6.793	4.42	132.3	0.0	290.6
16.50		1.00	0.70	17.024	18.72	375.50	0.650	0.00	1.50	6.753	4.39	131.5	0.0	288.8
18.00		1.00	0.70	17.024	18.72	373.22	0.650	0.00	1.50	6.712	4.36	130.7	0.0	287.1
19.50		1.00	0.70	17.024	18.72	370.94	0.650	0.00	1.50	6.671	4.34	129.9	0.0	285.3
20.00	Apertunance(s)	1.00	0.70	17.024	18.72	370.18	0.650	0.00	0.50	2.215	1.44	43.1	0.0	94.7
21.00		1.00	0.70	17.024	18.72	368.66	0.650	0.00	1.00	4.416	2.87	86.0	0.0	188.8
22.50		1.00	0.70	17.024	18.72	366.38	0.650	0.00	1.50	6.589	4.28	128.3	0.0	281.8
24.00		1.00	0.70	17.024	18.72	364.11	0.650	0.00	1.50	6.548	4.26	127.5	0.0	280.0
25.50		1.00	0.70	17.024	18.72	361.83	0.650	0.00	1.50	6.508	4.23	126.7	0.0	278.3
27.00		1.00	0.70	17.024	18.72	359.55	0.650	0.00	1.50	6.467	4.20	125.9	0.0	276.5
28.50		1.00	0.70	17.024	18.72	357.27	0.650	0.00	1.50	6.426	4.18	125.1	0.0	274.7
30.00		1.00	0.70	17.038	18.74	355.14	0.650	0.00	1.50	6.385	4.15	124.5	0.0	273.0
31.50		1.00	0.71	17.278	19.00	355.33	0.650	0.00	1.50	6.344	4.12	125.4	0.0	271.2
33.00		1.00	0.72	17.509	19.26	355.39	0.650	0.00	1.50	6.303	4.10	126.3	0.0	269.5
34.50		1.00	0.72	17.733	19.50	355.33	0.650	0.00	1.50	6.262	4.07	127.0	0.0	267.7
36.00		1.00	0.73	17.949	19.74	355.15	0.650	0.00	1.50	6.222	4.04	127.8	0.0	265.9
37.50		1.00	0.74	18.160	19.97	354.88	0.650	0.00	1.50	6.181	4.02	128.4	0.0	264.2
39.00		1.00	0.75	18.365	20.20	354.51	0.650	0.00	1.50	6.140	3.99	129.0	0.0	262.4
40.50		1.00	0.76	18.564	20.42	354.04	0.650	0.00	1.50	6.099	3.96	129.5	0.0	260.7
42.00		1.00	0.77	18.758	20.63	353.49	0.650	0.00	1.50	6.058	3.94	130.0	0.0	258.9
43.50		1.00	0.77	18.947	20.84	352.87	0.650	0.00	1.50	6.017	3.91	130.4	0.0	257.1
45.00		1.00	0.78	19.131	21.04	352.17	0.650	0.00	1.50	5.976	3.88	130.8	0.0	255.4
46.50		1.00	0.79	19.311	21.24	351.39	0.650	0.00	1.50	5.936	3.86	131.1	0.0	253.6
46.83	Bot - Section 2	1.00	0.79	19.351	21.28	351.21	0.650	0.00	0.33	1.313	0.85	29.1	0.0	56.1
48.00		1.00	0.80	19.487	21.43	350.55	0.650	0.00	1.17	4.655	3.03	103.8	0.0	394.7
49.50		1.00	0.80	19.659	21.62	349.65	0.650	0.00	1.50	5.949	3.87	133.8	0.0	504.3
51.00		1.00	0.81	19.828	21.81	348.68	0.650	0.00	1.50	5.908	3.84	134.0	0.0	500.8
52.50		1.00	0.82	19.993	21.99	347.66	0.650	0.00	1.50	5.867	3.81	134.2	0.0	497.3
53.00	Top - Section 1	1.00	0.82	20.047	22.05	347.31	0.650	0.00	0.50	1.947	1.27	44.6	0.0	165.0
54.00		1.00	0.82	20.154	22.17	352.36	0.650	0.00	1.00	3.880	2.52	89.5	0.0	165.8
55.50		1.00	0.83	20.312	22.34	351.25	0.650	0.00	1.50	5.786	3.76	134.4	0.0	247.2
57.00		1.00	0.84	20.468	22.51	350.10	0.650	0.00	1.50	5.745	3.73	134.5	0.0	245.4
58.50		1.00	0.84	20.620	22.68	348.89	0.650	0.00	1.50	5.704	3.71	134.6	0.0	243.7
60.00		1.00	0.85	20.770	22.84	347.64	0.650	0.00	1.50	5.663	3.68	134.6	0.0	241.9
61.50		1.00	0.86	20.917	23.00	346.34	0.650	0.00	1.50	5.622	3.65	134.5	0.0	240.1
63.00		1.00	0.86	21.062	23.16	345.00	0.650	0.00	1.50	5.581	3.63	134.5	0.0	238.4
64.50		1.00	0.87	21.204	23.32	343.62	0.650	0.00	1.50	5.541	3.60	134.4	0.0	236.6
66.00		1.00	0.87	21.343	23.47	342.20	0.650	0.00	1.50	5.500	3.57	134.3	0.0	234.9
67.50		1.00	0.88	21.481	23.62	340.74	0.650	0.00	1.50	5.459	3.55	134.1	0.0	233.1
69.00		1.00	0.88	21.616	23.77	339.24	0.650	0.00	1.50	5.418	3.52	134.0	0.0	231.3
70.50		1.00	0.89	21.749	23.92	337.71	0.650	0.00	1.50	5.377	3.50	133.8	0.0	229.6

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
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 Taper : 0.214568 (in/ft)

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



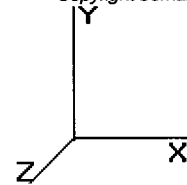
Load Case: 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

72.00		1.00	0.90	21.881	24.06	336.14	0.650	0.00	1.50	5.336	3.47	133.6	0.0	227.8
73.50		1.00	0.90	22.010	24.21	334.54	0.650	0.00	1.50	5.295	3.44	133.3	0.0	226.1
75.00		1.00	0.91	22.137	24.35	332.91	0.650	0.00	1.50	5.255	3.42	133.1	0.0	224.3
76.00	Appertunance(s)	1.00	0.91	22.221	24.44	331.81	0.650	0.00	1.00	3.480	2.26	88.5	0.0	148.6
76.50		1.00	0.91	22.263	24.48	331.25	0.650	0.00	0.50	1.733	1.13	44.1	0.0	74.0
78.00		1.00	0.92	22.387	24.62	329.56	0.650	0.00	1.50	5.173	3.36	132.5	0.0	220.8
79.50		1.00	0.92	22.509	24.76	327.84	0.650	0.00	1.50	5.132	3.34	132.2	0.0	219.0
81.00		1.00	0.93	22.630	24.89	326.08	0.650	0.00	1.50	5.091	3.31	131.8	0.0	217.3
82.50		1.00	0.93	22.748	25.02	324.31	0.650	0.00	1.50	5.050	3.28	131.4	0.0	215.5
84.00		1.00	0.94	22.866	25.15	322.50	0.650	0.00	1.50	5.009	3.26	131.0	0.0	213.7
85.50		1.00	0.94	22.982	25.28	320.67	0.650	0.00	1.50	4.969	3.23	130.6	0.0	212.0
87.00		1.00	0.95	23.096	25.40	318.81	0.650	0.00	1.50	4.928	3.20	130.2	0.0	210.2
88.50		1.00	0.95	23.209	25.53	316.93	0.650	0.00	1.50	4.887	3.18	129.8	0.0	208.5
89.00	Appertunance(s)	1.00	0.95	23.247	25.57	316.30	0.650	0.00	0.50	1.620	1.05	43.1	0.0	69.1
90.00		1.00	0.95	23.321	25.65	315.03	0.650	0.00	1.00	3.226	2.10	86.1	0.0	137.6
91.50		1.00	0.96	23.431	25.77	313.10	0.650	0.00	1.50	4.805	3.12	128.8	0.0	204.9
93.00		1.00	0.96	23.541	25.89	311.15	0.650	0.00	1.50	4.764	3.10	128.3	0.0	203.2
94.50		1.00	0.97	23.648	26.01	309.18	0.650	0.00	1.50	4.724	3.07	127.8	0.0	201.4
94.92	Bot - Section 3	1.00	0.97	23.678	26.04	308.62	0.650	0.00	0.42	1.305	0.85	35.3	0.0	55.6
96.00		1.00	0.97	23.755	26.13	307.18	0.650	0.00	1.08	3.435	2.23	93.4	0.0	266.3
97.50		1.00	0.98	23.861	26.24	305.16	0.650	0.00	1.50	4.721	3.07	128.9	0.0	365.9
98.00	Appertunance(s)	1.00	0.98	23.895	26.28	304.49	0.650	0.00	0.50	1.565	1.02	42.8	0.0	121.3
99.00		1.00	0.98	23.965	26.36	303.13	0.650	0.00	1.00	3.116	2.03	85.4	0.0	241.5
99.83	Top - Section 2	1.00	0.98	24.022	26.42	301.99	0.650	0.00	0.83	2.583	1.68	71.0	0.0	200.1
100.5		1.00	0.99	24.068	26.47	306.33	0.650	0.00	0.67	2.057	1.34	56.6	0.0	73.2
102.0		1.00	0.99	24.170	26.58	304.26	0.650	0.00	1.50	4.599	2.99	127.2	0.0	163.6
103.5		1.00	0.99	24.271	26.69	302.18	0.650	0.00	1.50	4.558	2.96	126.6	0.0	162.2
105.0		1.00	1.00	24.371	26.80	300.07	0.650	0.00	1.50	4.517	2.94	125.9	0.0	160.7
106.5		1.00	1.00	24.470	26.91	297.95	0.650	0.00	1.50	4.476	2.91	125.3	0.0	159.2
108.0		1.00	1.01	24.568	27.02	295.81	0.650	0.00	1.50	4.435	2.88	124.7	0.0	157.8
109.5		1.00	1.01	24.665	27.13	293.65	0.650	0.00	1.50	4.394	2.86	124.0	0.0	156.3
111.0		1.00	1.01	24.761	27.23	291.47	0.650	0.00	1.50	4.353	2.83	123.3	0.0	154.8
112.5		1.00	1.02	24.856	27.34	289.28	0.650	0.00	1.50	4.313	2.80	122.6	0.0	153.4
113.0	Appertunance(s)	1.00	1.02	24.888	27.37	288.54	0.650	0.00	0.50	1.428	0.93	40.7	0.0	50.8
114.0		1.00	1.02	24.951	27.44	287.07	0.650	0.00	1.00	2.843	1.85	81.2	0.0	101.1
115.5		1.00	1.03	25.044	27.54	284.84	0.650	0.00	1.50	4.231	2.75	121.2	0.0	150.5
117.0		1.00	1.03	25.136	27.65	282.60	0.650	0.00	1.50	4.190	2.72	120.5	0.0	149.0
118.5		1.00	1.03	25.228	27.75	280.34	0.650	0.00	1.50	4.149	2.70	119.7	0.0	147.5
120.0		1.00	1.04	25.319	27.85	278.06	0.650	0.00	1.50	4.108	2.67	119.0	0.0	146.1
121.5		1.00	1.04	25.409	27.95	275.77	0.650	0.00	1.50	4.068	2.64	118.2	0.0	144.6
123.0	Appertunance(s)	1.00	1.04	25.498	28.04	273.47	0.650	0.00	1.50	4.027	2.62	117.5	0.0	143.1
124.5		1.00	1.05	25.587	28.14	271.15	0.650	0.00	1.50	3.986	2.59	116.7	0.0	141.7
126.0		1.00	1.05	25.674	28.24	268.82	0.650	0.00	1.50	3.945	2.56	115.9	0.0	140.2
127.5		1.00	1.05	25.761	28.33	266.47	0.650	0.00	1.50	3.904	2.54	115.1	0.0	138.7
129.0		1.00	1.06	25.848	28.43	264.11	0.650	0.00	1.50	3.863	2.51	114.2	0.0	137.3
130.5		1.00	1.06	25.933	28.52	261.73	0.650	0.00	1.50	3.822	2.48	113.4	0.0	135.8
132.0		1.00	1.07	26.018	28.62	259.34	0.650	0.00	1.50	3.782	2.46	112.6	0.0	134.3
133.5		1.00	1.07	26.102	28.71	256.94	0.650	0.00	1.50	3.741	2.43	111.7	0.0	132.9
135.0	Appertunance(s)	1.00	1.07	26.185	28.80	254.52	0.650	0.00	1.50	3.700	2.40	110.8	0.0	131.4
136.5		1.00	1.08	26.268	28.89	252.09	0.650	0.00	1.50	3.659	2.38	110.0	0.0	129.9
138.0		1.00	1.08	26.350	28.98	249.65	0.650	0.00	1.50	3.618	2.35	109.1	0.0	128.5
139.5		1.00	1.08	26.432	29.07	247.20	0.650	0.00	1.50	3.577	2.33	108.2	0.0	127.0
141.0		1.00	1.09	26.513	29.16	244.73	0.650	0.00	1.50	3.536	2.30	107.3	0.0	125.5
142.5		1.00	1.09	26.593	29.25	242.26	0.650	0.00	1.50	3.496	2.27	106.3	0.0	124.1
144.0		1.00	1.09	26.673	29.34	239.77	0.650	0.00	1.50	3.455	2.25	105.4	0.0	122.6
145.5		1.00	1.10	26.752	29.42	237.27	0.650	0.00	1.50	3.414	2.22	104.5	0.0	121.1
147.0	Appertunance(s)	1.00	1.10	26.830	29.51	234.75	0.650	0.00	1.50	3.373	2.19	103.5	0.0	119.7

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (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	100.00 mph with No Ice (Reduced DL)	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

147.9	Appertunance(s)	1.00	1.10	26.877	29.56	233.24	0.650	0.00	0.90	2.004	1.30	61.6	0.0	71.1
147.9		1.00	1.10	26.878	29.56	233.21	0.650	0.00	0.02	0.038	0.02	1.2	0.0	1.3
Totals:								147.92			12,475.0	0.0	22,808.2	

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
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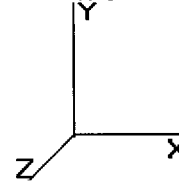
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Load Case: 0.9D + 1.6W

100.00 mph with No Ice (Reduced DL)

27 Iterations

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

Wind Importance Factor : 1.00

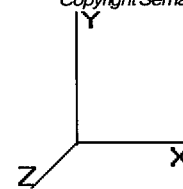
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
20.00	Lucent KS-24019	1	17.024	18.726	1.00	1.00	1.00	0.000	0.000	29.96	0.00	0.00	6.30
76.00	Side Markers	2	22.221	24.443	1.00	1.00	1.60	0.000	0.000	62.58	0.00	0.00	36.00
89.00	DragonWave A-ANT-	1	23.247	25.571	0.90	1.00	7.80	0.000	0.000	319.25	0.00	0.00	59.49
89.00	Side Arms	1	23.247	25.571	0.67	1.00	5.70	0.000	0.000	233.01	0.00	0.00	504.00
89.00	NextNet BTS-2500	3	23.247	25.571	0.40	0.80	2.54	0.000	0.000	104.09	0.00	0.00	94.50
89.00	Argus LLPX310R	3	23.247	25.571	0.58	0.80	8.35	0.000	0.000	341.48	0.00	0.00	77.22
89.00	DragonWave Horizon	2	23.247	25.571	0.40	0.80	0.34	0.000	0.000	14.07	0.00	0.00	19.08
89.00	DragonWave A-ANT-	1	23.247	25.571	0.72	0.80	3.38	0.000	0.000	138.16	0.00	0.00	24.39
98.00	Decibel DB844H90E-A	9	23.895	26.285	0.69	0.80	24.58	0.000	0.000	1,033.83	0.00	0.00	81.00
98.00	Round Low Profile PI	1	23.895	26.285	1.00	1.00	21.70	0.000	0.000	912.61	0.00	0.00	1,350.00
113.0	RFS APXV18-206517	3	24.888	27.377	0.80	1.00	12.12	0.000	0.000	530.89	0.00	0.00	59.40
123.0	RFS APXV18-206516L-	6	25.498	28.048	0.62	0.80	13.37	0.000	0.000	599.83	0.00	0.00	100.98
123.0	RFS APX16DWW-	3	25.498	28.048	0.52	0.80	10.45	0.000	0.000	469.05	0.00	0.00	106.92
123.0	Round T-Arms	3	25.498	28.048	0.50	0.75	14.62	0.000	0.000	656.22	0.00	0.00	675.00
123.0	RFS ATMAA1412D-	3	25.498	28.048	0.40	0.80	1.40	0.000	0.000	63.01	0.00	0.00	35.10
123.0	RFS ATMPP1412D-	3	25.498	28.048	0.40	0.80	1.40	0.000	0.000	63.01	0.00	0.00	32.40
135.0	Powerwave LGP21903	6	26.185	28.804	0.38	0.75	0.61	0.000	0.000	28.00	0.00	0.00	29.70
135.0	Powerwave LGP21401	6	26.185	28.804	0.38	0.75	2.90	0.000	0.000	133.77	0.00	0.00	76.14
135.0	Flat Platform w/ Han	1	26.185	28.804	1.00	1.00	42.40	0.000	0.000	1,954.06	0.00	0.00	1,800.00
135.0	Powerwave 7750.00	6	26.185	28.804	0.56	0.75	19.84	0.000	0.000	914.59	0.00	0.00	189.00
147.0	Flat Platform w/ Han	1	26.830	29.513	1.00	1.00	42.40	0.000	0.000	2,002.19	0.00	0.00	1,800.00
147.0	48" x 12" Panels	9	26.830	29.513	0.50	0.75	25.33	0.000	0.000	1,195.93	0.00	0.00	243.00
147.0	72" x 12" Panels	3	26.830	29.513	0.50	0.75	12.66	0.000	0.000	597.97	0.00	0.00	108.00
147.9	Flash Technology FTB	1	26.966	29.662	1.00	1.00	3.70	0.000	1.710	175.60	0.00	300.28	25.20
										12,573.13			7,532.82

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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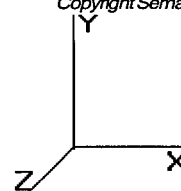
Load Case: 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

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)
6.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	17.024	0.023	0.000	0.00	4.43
6.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.023	0.000	0.00	0.27
6.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.023	0.000	0.00	0.24
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.023	0.000	0.00	0.14
7.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.035	0.000	0.00	6.64
7.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.035	0.000	0.00	0.41
7.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.035	0.000	0.00	0.36
7.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.035	0.000	0.00	0.20
9.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	6.64
9.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.41
9.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.36
9.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.20
10.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	6.64
10.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.41
10.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.36
10.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.20
12.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	6.64
12.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.41
12.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.36
12.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.20
13.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	6.64
13.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.41
13.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.36
13.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.20
15.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.036	0.000	0.00	6.64
15.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.41
15.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.36
15.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.036	0.000	0.00	0.20
16.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.037	0.000	0.00	6.64
16.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.41
16.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.36
16.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.20
18.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.037	0.000	0.00	6.64
18.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.41
18.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.36
18.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.20
19.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.037	0.000	0.00	6.64
19.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.41
19.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.36
19.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.20
20.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	17.024	0.037	0.000	0.00	2.21
20.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.14
20.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.12
20.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.07
21.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	17.024	0.037	0.000	0.00	4.43
21.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.27
21.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	17.024	0.037	0.000	0.00	0.24
22.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.038	0.000	0.00	6.64
22.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.41
22.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.36
24.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.038	0.000	0.00	6.64

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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 100.00 mph with No Ice (Reduced DL) 27 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

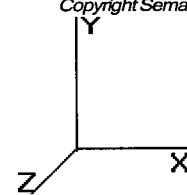
Dead Load Factor : 0.90

Wind Load Factor : 1.60

24.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.41
24.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.36
25.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.038	0.000	0.00	6.64
25.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.41
25.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.36
27.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.038	0.000	0.00	6.64
27.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.41
27.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.038	0.000	0.00	0.36
28.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.024	0.039	0.000	0.00	6.64
28.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.039	0.000	0.00	0.41
28.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.024	0.039	0.000	0.00	0.36
30.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.038	0.039	0.000	0.00	6.64
30.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.038	0.039	0.000	0.00	0.41
30.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.038	0.039	0.000	0.00	0.36
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.278	0.039	0.000	0.00	6.64
31.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.278	0.039	0.000	0.00	0.41
31.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.278	0.039	0.000	0.00	0.36
33.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.509	0.039	0.000	0.00	6.64
33.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.509	0.039	0.000	0.00	0.41
33.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.509	0.039	0.000	0.00	0.36
34.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.733	0.040	0.000	0.00	6.64
34.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.733	0.040	0.000	0.00	0.41
34.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.733	0.040	0.000	0.00	0.36
36.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	17.949	0.040	0.000	0.00	6.64
36.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.949	0.040	0.000	0.00	0.41
36.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	17.949	0.040	0.000	0.00	0.36
37.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.160	0.040	0.000	0.00	6.64
37.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.160	0.040	0.000	0.00	0.41
37.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.160	0.040	0.000	0.00	0.36
39.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.365	0.040	0.000	0.00	6.64
39.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.365	0.040	0.000	0.00	0.41
39.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.365	0.040	0.000	0.00	0.36
40.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.564	0.041	0.000	0.00	6.64
40.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.564	0.041	0.000	0.00	0.41
40.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.564	0.041	0.000	0.00	0.36
42.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.758	0.041	0.000	0.00	6.64
42.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.758	0.041	0.000	0.00	0.41
42.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.758	0.041	0.000	0.00	0.36
43.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	18.947	0.041	0.000	0.00	6.64
43.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.947	0.041	0.000	0.00	0.41
43.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	18.947	0.041	0.000	0.00	0.36
45.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.131	0.041	0.000	0.00	6.64
45.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.131	0.041	0.000	0.00	0.41
45.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.131	0.041	0.000	0.00	0.36
46.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.311	0.042	0.000	0.00	6.64
46.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.311	0.042	0.000	0.00	0.41
46.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.311	0.042	0.000	0.00	0.36
46.83	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.06	0.00	19.351	0.042	0.000	0.00	1.48
46.83	(2) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	19.351	0.042	0.000	0.00	0.09
46.83	(6) 5/16" Coax	Yes	0.33	0.000	0.00	0.00	0.00	19.351	0.042	0.000	0.00	0.08
48.00	(6) 1 5/8" Coax	Yes	1.17	0.000	1.98	0.19	0.00	19.487	0.042	0.000	0.00	5.17
48.00	(2) 1/2" Coax	Yes	1.17	0.000	0.00	0.00	0.00	19.487	0.042	0.000	0.00	0.31
48.00	(6) 5/16" Coax	Yes	1.17	0.000	0.00	0.00	0.00	19.487	0.042	0.000	0.00	0.28
49.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.659	0.042	0.000	0.00	6.64
49.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.659	0.042	0.000	0.00	0.41
49.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.659	0.042	0.000	0.00	0.36
51.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.828	0.043	0.000	0.00	6.64

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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 100.00 mph with No Ice (Reduced DL) 27 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

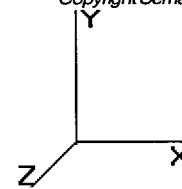
Wind Load Factor : 1.60

51.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.828	0.043	0.000	0.00	0.41
51.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.828	0.043	0.000	0.00	0.36
52.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	19.993	0.043	0.000	0.00	6.64
52.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.993	0.043	0.000	0.00	0.41
52.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.993	0.043	0.000	0.00	0.36
53.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	20.047	0.043	0.000	0.00	2.21
53.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	20.047	0.043	0.000	0.00	0.14
53.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	20.047	0.043	0.000	0.00	0.12
54.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	20.154	0.043	0.000	0.00	4.43
54.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.154	0.043	0.000	0.00	0.27
54.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	20.154	0.043	0.000	0.00	0.24
55.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.312	0.043	0.000	0.00	6.64
55.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.312	0.043	0.000	0.00	0.41
55.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.312	0.043	0.000	0.00	0.36
57.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.468	0.043	0.000	0.00	6.64
57.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.468	0.043	0.000	0.00	0.41
57.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.468	0.043	0.000	0.00	0.36
58.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.620	0.043	0.000	0.00	6.64
58.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.620	0.043	0.000	0.00	0.41
58.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.620	0.043	0.000	0.00	0.36
60.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.770	0.044	0.000	0.00	6.64
60.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.770	0.044	0.000	0.00	0.41
60.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.770	0.044	0.000	0.00	0.36
61.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	20.917	0.044	0.000	0.00	6.64
61.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.917	0.044	0.000	0.00	0.41
61.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	20.917	0.044	0.000	0.00	0.36
63.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.062	0.044	0.000	0.00	6.64
63.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.062	0.044	0.000	0.00	0.41
63.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.062	0.044	0.000	0.00	0.36
64.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.204	0.045	0.000	0.00	6.64
64.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.204	0.045	0.000	0.00	0.41
64.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.204	0.045	0.000	0.00	0.36
66.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.343	0.045	0.000	0.00	6.64
66.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.343	0.045	0.000	0.00	0.41
66.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.343	0.045	0.000	0.00	0.36
67.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.481	0.045	0.000	0.00	6.64
67.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.481	0.045	0.000	0.00	0.41
67.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.481	0.045	0.000	0.00	0.36
69.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.616	0.046	0.000	0.00	6.64
69.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.616	0.046	0.000	0.00	0.41
69.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.616	0.046	0.000	0.00	0.36
70.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.749	0.046	0.000	0.00	6.64
70.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.749	0.046	0.000	0.00	0.41
70.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.749	0.046	0.000	0.00	0.36
72.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	21.881	0.046	0.000	0.00	6.64
72.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.881	0.046	0.000	0.00	0.41
72.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	21.881	0.046	0.000	0.00	0.36
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.010	0.047	0.000	0.00	6.64
73.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.010	0.047	0.000	0.00	0.41
73.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.010	0.047	0.000	0.00	0.36
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.137	0.047	0.000	0.00	6.64
75.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.137	0.047	0.000	0.00	0.41
75.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.137	0.047	0.000	0.00	0.36
76.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	22.221	0.047	0.000	0.00	4.43
76.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.047	0.000	0.00	0.27
76.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	22.221	0.047	0.000	0.00	0.24
76.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	22.263	0.048	0.000	0.00	2.21

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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

100.00 mph with No Ice (Reduced DL)

27 Iterations

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

Wind Importance Factor : 1.00

76.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	22.263	0.048	0.000	0.00	0.14
76.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	22.263	0.048	0.000	0.00	0.12
78.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.387	0.048	0.000	0.00	6.64
78.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.387	0.048	0.000	0.00	0.41
78.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.387	0.048	0.000	0.00	0.36
79.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.509	0.048	0.000	0.00	6.64
79.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.509	0.048	0.000	0.00	0.41
79.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.509	0.048	0.000	0.00	0.36
81.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.630	0.049	0.000	0.00	6.64
81.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.630	0.049	0.000	0.00	0.41
81.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.630	0.049	0.000	0.00	0.36
82.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.748	0.049	0.000	0.00	6.64
82.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.748	0.049	0.000	0.00	0.41
82.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.748	0.049	0.000	0.00	0.36
84.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.866	0.049	0.000	0.00	6.64
84.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.866	0.049	0.000	0.00	0.41
84.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.866	0.049	0.000	0.00	0.36
85.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	22.982	0.050	0.000	0.00	6.64
85.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.982	0.050	0.000	0.00	0.41
85.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	22.982	0.050	0.000	0.00	0.36
87.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.096	0.050	0.000	0.00	6.64
87.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	23.096	0.050	0.000	0.00	0.41
87.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	23.096	0.050	0.000	0.00	0.36
88.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.209	0.051	0.000	0.00	6.64
88.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	23.209	0.051	0.000	0.00	0.41
88.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	23.209	0.051	0.000	0.00	0.36
89.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	23.247	0.051	0.000	0.00	2.21
89.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	23.247	0.051	0.000	0.00	0.14
89.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	23.247	0.051	0.000	0.00	0.12
90.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.321	0.051	0.000	0.00	4.43
91.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.431	0.052	0.000	0.00	6.64
93.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.541	0.052	0.000	0.00	6.64
94.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.648	0.052	0.000	0.00	6.64
94.92	(6) 1 5/8" Coax	Yes	0.42	0.000	1.98	0.07	0.00	23.678	0.053	0.000	0.00	1.84
96.00	(6) 1 5/8" Coax	Yes	1.08	0.000	1.98	0.18	0.00	23.755	0.053	0.000	0.00	4.80
97.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	23.861	0.053	0.000	0.00	6.64
98.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	23.895	0.054	0.000	0.00	2.21
99.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	23.965	0.054	0.000	0.00	4.43
99.83	(6) 1 5/8" Coax	Yes	0.83	0.000	1.98	0.14	0.00	24.022	0.054	0.000	0.00	3.69
100.5	(6) 1 5/8" Coax	Yes	0.67	0.000	1.98	0.11	0.00	24.068	0.053	0.000	0.00	2.95
102.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.170	0.054	0.000	0.00	6.64
103.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.271	0.054	0.000	0.00	6.64
105.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.371	0.055	0.000	0.00	6.64
106.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.470	0.055	0.000	0.00	6.64
108.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.568	0.056	0.000	0.00	6.64
109.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.665	0.056	0.000	0.00	6.64
111.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.761	0.057	0.000	0.00	6.64
112.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	24.856	0.057	0.000	0.00	6.64
113.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	24.888	0.058	0.000	0.00	2.21
114.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	24.951	0.058	0.000	0.00	4.43
115.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.044	0.058	0.000	0.00	6.64
117.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.136	0.059	0.000	0.00	6.64
118.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.228	0.060	0.000	0.00	6.64
120.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.319	0.060	0.000	0.00	6.64
121.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.409	0.061	0.000	0.00	6.64
123.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	25.498	0.061	0.000	0.00	6.64

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

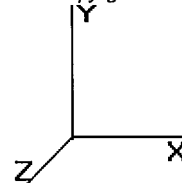
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1

Base Elev : 0.000 (ft)

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Load Case: 0.9D + 1.6W

100.00 mph with No Ice (Reduced DL)

27 Iterations

Gust Response Factor : 1.10

Dead Load Factor : 0.90

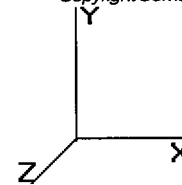
Wind Load Factor : 1.60

Wind Importance Factor : 1.00

Totals: 0.00 567.56

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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



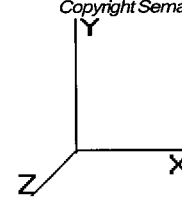
Load Case: 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.50	139.47	306.42	0.00	0.00
3.00	138.67	304.66	0.00	0.00
4.50	137.88	302.90	0.00	0.00
6.00	137.08	347.41	0.00	0.00
7.50	136.28	368.79	0.00	0.00
9.00	135.49	367.03	0.00	0.00
10.50	134.69	365.27	0.00	0.00
12.00	133.90	363.51	0.00	0.00
13.50	133.10	361.75	0.00	0.00
15.00	132.31	359.99	0.00	0.00
16.50	131.51	358.23	0.00	0.00
18.00	130.71	356.47	0.00	0.00
19.50	129.92	354.71	0.00	0.00
20.00	73.09	124.15	0.00	0.00
21.00	85.99	234.97	0.00	0.00
22.50	128.33	350.99	0.00	0.00
24.00	127.53	349.23	0.00	0.00
25.50	126.74	347.47	0.00	0.00
27.00	125.94	345.71	0.00	0.00
28.50	125.15	343.95	0.00	0.00
30.00	124.45	342.19	0.00	0.00
31.50	125.39	340.43	0.00	0.00
33.00	126.25	338.67	0.00	0.00
34.50	127.04	336.91	0.00	0.00
36.00	127.75	335.15	0.00	0.00
37.50	128.40	333.39	0.00	0.00
39.00	128.99	331.63	0.00	0.00
40.50	129.52	329.87	0.00	0.00
42.00	130.00	328.11	0.00	0.00
43.50	130.42	326.35	0.00	0.00
45.00	130.80	324.59	0.00	0.00
46.50	131.13	322.83	0.00	0.00
46.83	29.08	71.50	0.00	0.00
48.00	103.78	448.51	0.00	0.00
49.50	133.80	573.52	0.00	0.00
51.00	134.01	570.00	0.00	0.00
52.50	134.20	566.48	0.00	0.00
53.00	44.64	188.05	0.00	0.00
54.00	89.45	211.90	0.00	0.00
55.50	134.44	316.38	0.00	0.00
57.00	134.52	314.62	0.00	0.00
58.50	134.55	312.86	0.00	0.00
60.00	134.56	311.10	0.00	0.00
61.50	134.54	309.34	0.00	0.00
63.00	134.48	307.58	0.00	0.00
64.50	134.40	305.82	0.00	0.00
66.00	134.29	304.06	0.00	0.00
67.50	134.15	302.30	0.00	0.00
69.00	133.98	300.54	0.00	0.00

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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	100.00 mph with No Ice (Reduced DL)	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

70.50	133.79	298.78	0.00	0.00
72.00	133.58	297.02	0.00	0.00
73.50	133.34	295.26	0.00	0.00
75.00	133.07	293.50	0.00	0.00
76.00	151.05	230.69	0.00	0.00
76.50	44.15	97.05	0.00	0.00
78.00	132.48	289.98	0.00	0.00
79.50	132.15	288.22	0.00	0.00
81.00	131.80	286.46	0.00	0.00
82.50	131.43	284.70	0.00	0.00
84.00	131.04	282.94	0.00	0.00
85.50	130.63	281.18	0.00	0.00
87.00	130.20	279.42	0.00	0.00
88.50	129.75	277.66	0.00	0.00
89.00	1,193.14	870.84	0.00	0.00
90.00	86.07	183.23	0.00	0.00
91.50	128.81	273.37	0.00	0.00
93.00	128.31	271.61	0.00	0.00
94.50	127.79	269.85	0.00	0.00
94.92	35.35	74.65	0.00	0.00
96.00	93.35	315.73	0.00	0.00
97.50	128.87	434.38	0.00	0.00
98.00	1,989.21	1,575.08	0.00	0.00
99.00	85.42	276.87	0.00	0.00
99.83	70.97	229.63	0.00	0.00
100.5	56.63	96.82	0.00	0.00
102.0	127.15	216.78	0.00	0.00
103.5	126.55	215.31	0.00	0.00
105.0	125.93	213.84	0.00	0.00
106.5	125.30	212.38	0.00	0.00
108.0	124.65	210.91	0.00	0.00
109.5	123.99	209.45	0.00	0.00
111.0	123.32	207.98	0.00	0.00
112.5	122.63	206.51	0.00	0.00
113.0	571.56	127.91	0.00	0.00
114.0	81.16	132.11	0.00	0.00
115.5	121.22	196.94	0.00	0.00
117.0	120.49	195.47	0.00	0.00
118.5	119.75	194.01	0.00	0.00
120.0	119.00	192.54	0.00	0.00
121.5	118.23	191.07	0.00	0.00
123.0	1,968.57	1,140.01	0.00	0.00
124.5	116.67	168.22	0.00	0.00
126.0	115.87	166.75	0.00	0.00
127.5	115.06	165.28	0.00	0.00
129.0	114.23	163.82	0.00	0.00
130.5	113.40	162.35	0.00	0.00
132.0	112.56	160.88	0.00	0.00
133.5	111.70	159.42	0.00	0.00
135.0	3,141.24	2,252.79	0.00	0.00
136.5	109.96	143.20	0.00	0.00
138.0	109.07	141.74	0.00	0.00
139.5	108.17	140.27	0.00	0.00
141.0	107.26	138.80	0.00	0.00
142.5	106.34	137.34	0.00	0.00
144.0	105.42	135.87	0.00	0.00
145.5	104.48	134.40	0.00	0.00

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

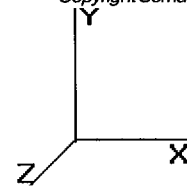
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1

Base Elev : 0.000 (ft)

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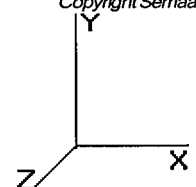
Load Case: 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)		27 Iterations	
Gust Response Factor : 1.10			Wind Importance Factor :1.00	
Dead Load Factor : 0.90				
Wind Load Factor : 1.60				

147.0	3,899.62	2,283.94	0.00	0.00
147.9	237.22	96.29	0.00	300.28
147.9	1.16	1.34	0.00	0.00
Totals:	25,048.12	35,789.15	0.00	300.28

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
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Load Case: 0.9D + 1.6W 100.00 mph with No Ice (Reduced DL) 27 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor :1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

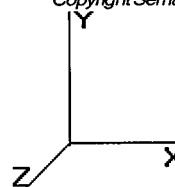
Calculated Forces

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	-35.78	-25.06	0.00	-2,544.53	0.00	2,544.53	4,345.86	2,172.93	10,048.4	5,031.69	0.00	0.00	0.514
1.50	-35.46	-24.95	0.00	-2,506.94	0.00	2,506.94	4,331.63	2,165.82	9,957.80	4,986.30	0.01	-0.04	0.511
3.00	-35.13	-24.83	0.00	-2,469.53	0.00	2,469.53	4,317.28	2,158.64	9,867.26	4,940.97	0.03	-0.08	0.508
4.50	-34.81	-24.72	0.00	-2,432.28	0.00	2,432.28	4,302.80	2,151.40	9,776.83	4,895.68	0.06	-0.12	0.505
6.00	-34.45	-24.60	0.00	-2,395.20	0.00	2,395.20	4,288.20	2,144.10	9,686.50	4,850.45	0.10	-0.16	0.502
7.50	-34.06	-24.49	0.00	-2,358.30	0.00	2,358.30	4,273.48	2,136.74	9,596.29	4,805.28	0.16	-0.20	0.499
9.00	-33.68	-24.38	0.00	-2,321.56	0.00	2,321.56	4,258.63	2,129.32	9,506.19	4,760.16	0.23	-0.24	0.496
10.50	-33.30	-24.27	0.00	-2,285.00	0.00	2,285.00	4,243.67	2,121.83	9,416.22	4,715.11	0.32	-0.28	0.493
12.00	-32.92	-24.15	0.00	-2,248.60	0.00	2,248.60	4,228.57	2,114.29	9,326.38	4,670.12	0.41	-0.33	0.489
13.50	-32.54	-24.04	0.00	-2,212.37	0.00	2,212.37	4,213.36	2,106.68	9,236.67	4,625.20	0.52	-0.37	0.486
15.00	-32.16	-23.93	0.00	-2,176.31	0.00	2,176.31	4,198.03	2,099.01	9,147.09	4,580.35	0.64	-0.41	0.483
16.50	-31.79	-23.82	0.00	-2,140.41	0.00	2,140.41	4,182.57	2,091.28	9,057.66	4,535.56	0.78	-0.45	0.480
18.00	-31.42	-23.71	0.00	-2,104.69	0.00	2,104.69	4,166.99	2,083.49	8,968.38	4,490.86	0.93	-0.49	0.476
19.50	-31.05	-23.59	0.00	-2,069.13	0.00	2,069.13	4,151.28	2,075.64	8,879.26	4,446.23	1.09	-0.53	0.473
20.00	-30.92	-23.53	0.00	-2,057.33	0.00	2,057.33	4,146.02	2,073.01	8,849.58	4,431.37	1.14	-0.55	0.472
21.00	-30.67	-23.46	0.00	-2,033.81	0.00	2,033.81	4,135.46	2,067.73	8,790.29	4,401.68	1.26	-0.57	0.470
22.50	-30.30	-23.35	0.00	-1,998.62	0.00	1,998.62	4,119.50	2,059.75	8,701.48	4,357.21	1.45	-0.61	0.466
24.00	-29.94	-23.24	0.00	-1,963.60	0.00	1,963.60	4,103.43	2,051.72	8,612.84	4,312.82	1.65	-0.66	0.463
25.50	-29.58	-23.13	0.00	-1,928.75	0.00	1,928.75	4,087.24	2,043.62	8,524.37	4,268.52	1.86	-0.70	0.459
27.00	-29.22	-23.02	0.00	-1,894.06	0.00	1,894.06	4,070.92	2,035.46	8,436.08	4,224.31	2.09	-0.74	0.456
28.50	-28.86	-22.91	0.00	-1,859.53	0.00	1,859.53	4,054.48	2,027.24	8,347.97	4,180.19	2.33	-0.78	0.452
30.00	-28.50	-22.80	0.00	-1,825.17	0.00	1,825.17	4,037.92	2,018.96	8,260.05	4,136.16	2.58	-0.82	0.448
31.50	-28.15	-22.69	0.00	-1,790.97	0.00	1,790.97	4,021.23	2,010.62	8,172.32	4,092.24	2.84	-0.86	0.445
33.00	-27.79	-22.58	0.00	-1,756.93	0.00	1,756.93	4,004.42	2,002.21	8,084.79	4,048.40	3.12	-0.91	0.441
34.50	-27.44	-22.47	0.00	-1,723.06	0.00	1,723.06	3,987.49	1,993.75	7,997.46	4,004.67	3.41	-0.95	0.437
36.00	-27.09	-22.35	0.00	-1,689.36	0.00	1,689.36	3,970.44	1,985.22	7,910.34	3,961.05	3.72	-0.99	0.433
37.50	-26.74	-22.24	0.00	-1,655.84	0.00	1,655.84	3,953.26	1,976.63	7,823.43	3,917.53	4.03	-1.03	0.430
39.00	-26.40	-22.12	0.00	-1,622.48	0.00	1,622.48	3,935.96	1,967.98	7,736.73	3,874.12	4.37	-1.07	0.426
40.50	-26.06	-22.01	0.00	-1,589.29	0.00	1,589.29	3,918.54	1,959.27	7,650.26	3,830.82	4.71	-1.11	0.422
42.00	-25.71	-21.89	0.00	-1,556.29	0.00	1,556.29	3,900.99	1,950.50	7,564.01	3,787.63	5.07	-1.16	0.418
43.50	-25.38	-21.77	0.00	-1,523.45	0.00	1,523.45	3,883.32	1,941.66	7,478.00	3,744.56	5.44	-1.20	0.414
45.00	-25.04	-21.65	0.00	-1,490.80	0.00	1,490.80	3,865.53	1,932.77	7,392.22	3,701.60	5.82	-1.24	0.409
46.50	-24.71	-21.52	0.00	-1,458.33	0.00	1,458.33	3,847.62	1,923.81	7,306.68	3,658.77	6.21	-1.28	0.405
46.83	-24.63	-21.50	0.00	-1,451.15	0.00	1,451.15	3,843.62	1,921.81	7,287.71	3,649.27	6.30	-1.29	0.404
48.00	-24.17	-21.40	0.00	-1,426.07	0.00	1,426.07	3,829.58	1,914.79	7,221.39	3,616.06	6.62	-1.32	0.401
49.50	-23.58	-21.27	0.00	-1,393.97	0.00	1,393.97	3,811.43	1,905.71	7,136.35	3,573.48	7.05	-1.36	0.396
51.00	-23.00	-21.14	0.00	-1,362.06	0.00	1,362.06	3,793.14	1,896.57	7,051.57	3,531.02	7.48	-1.40	0.392
52.50	-22.43	-21.00	0.00	-1,330.35	0.00	1,330.35	3,774.74	1,887.37	6,967.04	3,488.70	7.93	-1.45	0.387
53.00	-22.24	-20.96	0.00	-1,319.84	0.00	1,319.84	3,811.37	1,905.68	7,136.09	3,573.35	8.08	-1.46	0.375
54.00	-22.01	-20.88	0.00	-1,298.88	0.00	1,298.88	3,799.20	1,899.60	7,079.54	3,545.03	8.39	-1.49	0.372
55.50	-21.69	-20.75	0.00	-1,267.56	0.00	1,267.56	3,780.83	1,890.42	6,994.93	3,502.66	8.86	-1.53	0.368
57.00	-21.36	-20.62	0.00	-1,236.43	0.00	1,236.43	3,762.35	1,881.17	6,910.58	3,460.43	9.35	-1.56	0.363
58.50	-21.04	-20.49	0.00	-1,205.50	0.00	1,205.50	3,743.74	1,871.87	6,826.51	3,418.33	9.85	-1.60	0.358
60.00	-20.72	-20.37	0.00	-1,174.76	0.00	1,174.76	3,725.00	1,862.50	6,742.70	3,376.36	10.36	-1.64	0.354
61.50	-20.40	-20.24	0.00	-1,144.21	0.00	1,144.21	3,706.15	1,853.08	6,659.18	3,334.54	10.88	-1.68	0.349
63.00	-20.08	-20.11	0.00	-1,113.86	0.00	1,113.86	3,687.17	1,843.59	6,575.94	3,292.86	11.41	-1.72	0.344
64.50	-19.77	-19.97	0.00	-1,083.70	0.00	1,083.70	3,668.07	1,834.04	6,492.98	3,251.32	11.96	-1.76	0.339
66.00	-19.46	-19.84	0.00	-1,053.74	0.00	1,053.74	3,648.85	1,824.43	6,410.33	3,209.93	12.52	-1.79	0.334
67.50	-19.14	-19.71	0.00	-1,023.97	0.00	1,023.97	3,629.50	1,814.75	6,327.97	3,168.69	13.09	-1.83	0.329
69.00	-18.84	-19.58	0.00	-994.40	0.00	994.40	3,610.04	1,805.02	6,245.91	3,127.60	13.67	-1.87	0.323
70.50	-18.53	-19.45	0.00	-965.03	0.00	965.03	3,590.45	1,795.22	6,164.16	3,086.66	14.26	-1.91	0.318

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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

100.00 mph with No Ice (Reduced DL)

27 Iterations

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

Wind Importance Factor :1.00

72.00	-18.22	-19.32	0.00	-935.86	0.00	935.86	3,570.73	1,785.37	6,082.73	3,045.88	14.87	-1.94	0.312
73.50	-17.92	-19.19	0.00	-906.88	0.00	906.88	3,550.89	1,775.45	6,001.61	3,005.27	15.48	-1.98	0.307
75.00	-17.62	-19.05	0.00	-878.10	0.00	878.10	3,530.94	1,765.47	5,920.82	2,964.81	16.11	-2.02	0.301
76.00	-17.39	-18.90	0.00	-859.05	0.00	859.05	3,517.56	1,758.78	5,867.14	2,937.93	16.54	-2.04	0.297
76.50	-17.29	-18.86	0.00	-849.60	0.00	849.60	3,510.85	1,755.43	5,840.35	2,924.52	16.75	-2.05	0.296
78.00	-16.99	-18.73	0.00	-821.31	0.00	821.31	3,490.65	1,745.32	5,760.22	2,884.39	17.40	-2.09	0.290
79.50	-16.70	-18.59	0.00	-793.22	0.00	793.22	3,470.32	1,735.16	5,680.42	2,844.43	18.06	-2.12	0.284
81.00	-16.40	-18.46	0.00	-765.33	0.00	765.33	3,449.87	1,724.94	5,600.97	2,804.65	18.74	-2.16	0.278
82.50	-16.11	-18.33	0.00	-737.64	0.00	737.64	3,429.30	1,714.65	5,521.86	2,765.04	19.42	-2.19	0.272
84.00	-15.83	-18.20	0.00	-710.15	0.00	710.15	3,408.60	1,704.30	5,443.11	2,725.60	20.11	-2.23	0.265
85.50	-15.54	-18.06	0.00	-682.86	0.00	682.86	3,387.79	1,693.89	5,364.72	2,686.34	20.82	-2.26	0.259
87.00	-15.26	-17.93	0.00	-655.76	0.00	655.76	3,366.84	1,683.42	5,286.68	2,647.27	21.53	-2.29	0.252
88.50	-14.98	-17.80	0.00	-628.87	0.00	628.87	3,345.78	1,672.89	5,209.02	2,608.38	22.26	-2.33	0.246
89.00	-14.15	-16.57	0.00	-619.97	0.00	619.97	3,338.73	1,669.37	5,183.21	2,595.46	22.50	-2.34	0.243
90.00	-13.96	-16.49	0.00	-603.40	0.00	603.40	3,324.59	1,662.30	5,131.72	2,569.67	23.00	-2.36	0.239
91.50	-13.69	-16.35	0.00	-578.67	0.00	578.67	3,300.23	1,650.12	5,050.13	2,528.82	23.74	-2.39	0.233
93.00	-13.41	-16.22	0.00	-554.14	0.00	554.14	3,271.77	1,635.89	4,962.98	2,485.18	24.50	-2.42	0.227
94.50	-13.14	-16.09	0.00	-529.81	0.00	529.81	3,243.31	1,621.65	4,876.58	2,441.91	25.26	-2.45	0.221
94.92	-13.06	-16.05	0.00	-523.11	0.00	523.11	3,235.40	1,617.70	4,852.71	2,429.96	25.48	-2.46	0.219
96.00	-12.75	-15.95	0.00	-505.72	0.00	505.72	3,214.85	1,607.42	4,790.94	2,399.03	26.04	-2.48	0.215
97.50	-12.31	-15.81	0.00	-481.80	0.00	481.80	3,186.39	1,593.19	4,706.06	2,356.53	26.82	-2.51	0.208
98.00	-10.82	-13.75	0.00	-473.89	0.00	473.89	3,176.90	1,588.45	4,677.94	2,342.44	27.08	-2.52	0.206
99.00	-10.55	-13.66	0.00	-460.14	0.00	460.14	3,157.93	1,578.96	4,621.94	2,314.41	27.61	-2.54	0.202
99.83	-10.32	-13.58	0.00	-448.76	0.00	448.76	2,561.71	1,280.85	3,809.78	1,907.72	28.06	-2.55	0.239
100.50	-10.22	-13.52	0.00	-439.71	0.00	439.71	2,554.65	1,277.32	3,784.15	1,894.89	28.42	-2.57	0.236
102.00	-10.00	-13.39	0.00	-419.43	0.00	419.43	2,538.68	1,269.34	3,726.65	1,866.10	29.23	-2.60	0.229
103.50	-9.78	-13.26	0.00	-399.34	0.00	399.34	2,522.58	1,261.29	3,669.40	1,837.43	30.05	-2.63	0.221
105.00	-9.57	-13.13	0.00	-379.45	0.00	379.45	2,506.36	1,253.18	3,612.41	1,808.89	30.88	-2.66	0.214
106.50	-9.36	-13.00	0.00	-359.76	0.00	359.76	2,490.02	1,245.01	3,555.67	1,780.48	31.72	-2.69	0.206
108.00	-9.14	-12.87	0.00	-340.26	0.00	340.26	2,473.56	1,236.78	3,499.19	1,752.20	32.57	-2.71	0.198
109.50	-8.93	-12.74	0.00	-320.96	0.00	320.96	2,456.97	1,228.49	3,442.98	1,724.05	33.42	-2.74	0.190
111.00	-8.73	-12.61	0.00	-301.85	0.00	301.85	2,440.26	1,220.13	3,387.05	1,696.04	34.29	-2.77	0.182
112.50	-8.52	-12.48	0.00	-282.93	0.00	282.93	2,423.43	1,211.72	3,331.39	1,668.17	35.16	-2.79	0.173
113.00	-8.42	-11.90	0.00	-276.69	0.00	276.69	2,417.79	1,208.90	3,312.90	1,658.91	35.46	-2.80	0.170
114.00	-8.29	-11.82	0.00	-264.79	0.00	264.79	2,406.48	1,203.24	3,276.01	1,640.44	36.05	-2.82	0.165
115.50	-8.09	-11.69	0.00	-247.06	0.00	247.06	2,389.40	1,194.70	3,220.91	1,612.85	36.94	-2.84	0.157
117.00	-7.90	-11.57	0.00	-229.52	0.00	229.52	2,372.20	1,186.10	3,166.11	1,585.41	37.83	-2.87	0.148
118.50	-7.71	-11.44	0.00	-212.17	0.00	212.17	2,354.88	1,177.44	3,111.61	1,558.12	38.74	-2.89	0.140
120.00	-7.52	-11.31	0.00	-195.01	0.00	195.01	2,337.43	1,168.72	3,057.40	1,530.97	39.65	-2.91	0.131
121.50	-7.33	-11.19	0.00	-178.04	0.00	178.04	2,319.86	1,159.93	3,003.51	1,503.99	40.56	-2.93	0.122
123.00	-6.29	-9.17	0.00	-161.26	0.00	161.26	2,302.17	1,151.09	2,949.92	1,477.15	41.49	-2.95	0.112
124.50	-6.12	-9.04	0.00	-147.51	0.00	147.51	2,279.08	1,139.54	2,889.96	1,447.13	42.42	-2.96	0.105
126.00	-5.96	-8.92	0.00	-133.95	0.00	133.95	2,255.37	1,127.68	2,829.83	1,417.02	43.35	-2.98	0.097
127.50	-5.80	-8.80	0.00	-120.57	0.00	120.57	2,231.65	1,115.82	2,770.33	1,387.22	44.29	-3.00	0.090
129.00	-5.64	-8.68	0.00	-107.38	0.00	107.38	2,207.93	1,103.97	2,711.46	1,357.74	45.23	-3.01	0.082
130.50	-5.48	-8.56	0.00	-94.36	0.00	94.36	2,184.22	1,092.11	2,653.22	1,328.58	46.18	-3.02	0.074
132.00	-5.33	-8.44	0.00	-81.53	0.00	81.53	2,160.50	1,080.25	2,595.62	1,299.74	47.13	-3.03	0.065
133.50	-5.17	-8.32	0.00	-68.88	0.00	68.88	2,136.78	1,068.39	2,538.65	1,271.21	48.08	-3.04	0.057
135.00	-3.09	-5.06	0.00	-56.40	0.00	56.40	2,113.07	1,056.53	2,482.31	1,243.00	49.04	-3.05	0.047
136.50	-2.95	-4.94	0.00	-48.81	0.00	48.81	2,089.35	1,044.67	2,426.60	1,215.10	50.00	-3.06	0.042
138.00	-2.81	-4.83	0.00	-41.40	0.00	41.40	2,065.63	1,032.82	2,371.53	1,187.53	50.96	-3.07	0.036
139.50	-2.68	-4.71	0.00	-34.16	0.00	34.16	2,041.91	1,020.96	2,317.09	1,160.27	51.93	-3.07	0.031
141.00	-2.55	-4.60	0.00	-27.09	0.00	27.09	2,018.20	1,009.10	2,263.28	1,133.32	52.89	-3.08	0.025
142.50	-2.41	-4.48	0.00	-20.19	0.00	20.19	1,994.48	997.24	2,210.10	1,106.69	53.86	-3.08	0.019
144.00	-2.28	-4.37	0.00	-13.47	0.00	13.47	1,970.76	985.38	2,157.55	1,080.38	54.83	-3.08	0.014
145.50	-2.16	-4.26	0.00	-6.91	0.00	6.91	1,947.05	973.52	2,105.64	1,054.39	55.80	-3.09	0.008
147.00	-0.08	-0.24	0.00	-0.52	0.00	0.52	1,923.33	961.67	2,054.36	1,028.71	56.77	-3.09	0.001

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

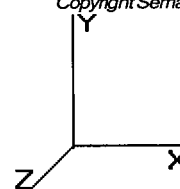
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1

Base Elev : 0.000 (ft)

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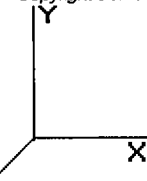
Load Case: 0.9D + 1.6W	100.00 mph with No Ice (Reduced DL)	27 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

147.90	0.00	0.00	0.00	0.00	0.00	0.00	1,909.10	954.55	2,023.89	1,013.45	57.35	-3.09	0.00
147.92	0.00	0.00	0.00	0.00	0.00	0.00	1,908.83	954.42	2,023.32	1,013.16	57.36	-3.09	0.00

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 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		

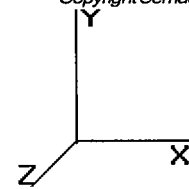
Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qx (psf)	qxGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.00	0.00	0.000	0.00	0.0	0.0	0.0
1.50		1.00	0.70	4.256	4.682	0.000	1.200	1.83	1.50	7.620	9.14	42.8	200.3	608.9
3.00		1.00	0.70	4.256	4.682	0.000	1.200	1.96	1.50	7.612	9.13	42.8	214.0	620.2
4.50		1.00	0.70	4.256	4.682	0.000	1.200	2.04	1.50	7.592	9.11	42.6	221.9	625.8
6.00		1.00	0.70	4.256	4.682	0.000	1.200	2.10	1.50	7.566	9.08	42.5	227.4	628.9
7.50		1.00	0.70	4.256	4.682	0.000	1.200	2.15	1.50	7.537	9.04	42.3	231.4	630.6
9.00		1.00	0.70	4.256	4.682	0.000	1.200	2.19	1.50	7.506	9.01	42.2	234.5	631.3
10.50		1.00	0.70	4.256	4.682	0.000	1.200	2.23	1.50	7.473	8.97	42.0	236.9	631.4
12.00		1.00	0.70	4.256	4.682	0.000	1.200	2.25	1.50	7.440	8.93	41.8	238.9	631.0
13.50		1.00	0.70	4.256	4.682	0.000	1.200	2.28	1.50	7.406	8.89	41.6	240.4	630.2
15.00		1.00	0.70	4.256	4.682	0.000	1.200	2.31	1.50	7.371	8.85	41.4	241.7	629.1
16.50		1.00	0.70	4.256	4.682	0.000	1.200	2.33	1.50	7.336	8.80	41.2	242.7	627.8
18.00		1.00	0.70	4.256	4.682	0.000	1.200	2.35	1.50	7.300	8.76	41.0	243.4	626.2
19.50		1.00	0.70	4.256	4.682	0.000	1.200	2.37	1.50	7.264	8.72	40.8	244.1	624.5
20.00	Appertunance(s)	1.00	0.70	4.256	4.682	0.000	1.200	2.37	0.50	2.413	2.90	13.6	81.4	207.7
21.00		1.00	0.70	4.256	4.682	0.000	1.200	2.39	1.00	4.814	5.78	27.0	163.0	414.8
22.50		1.00	0.70	4.256	4.682	0.000	1.200	2.40	1.50	7.191	8.63	40.4	244.8	620.5
24.00		1.00	0.70	4.256	4.682	0.000	1.200	2.42	1.50	7.154	8.58	40.2	245.0	618.4
25.50		1.00	0.70	4.256	4.682	0.000	1.200	2.43	1.50	7.117	8.54	40.0	245.1	616.1
27.00		1.00	0.70	4.256	4.682	0.000	1.200	2.45	1.50	7.079	8.50	39.8	245.1	613.7
28.50		1.00	0.70	4.256	4.682	0.000	1.200	2.46	1.50	7.042	8.45	39.6	245.0	611.3
30.00		1.00	0.70	4.260	4.686	0.000	1.200	2.47	1.50	7.004	8.40	39.4	244.8	608.8
31.50		1.00	0.71	4.319	4.751	0.000	1.200	2.48	1.50	6.966	8.36	39.7	244.5	606.2
33.00		1.00	0.72	4.377	4.815	0.000	1.200	2.50	1.50	6.928	8.31	40.0	244.2	603.5
34.50		1.00	0.72	4.433	4.876	0.000	1.200	2.51	1.50	6.890	8.27	40.3	243.8	600.8
36.00		1.00	0.73	4.487	4.936	0.000	1.200	2.52	1.50	6.852	8.22	40.6	243.4	598.0
37.50		1.00	0.74	4.540	4.994	0.000	1.200	2.53	1.50	6.814	8.18	40.8	242.9	595.2
39.00		1.00	0.75	4.591	5.050	0.000	1.200	2.54	1.50	6.775	8.13	41.1	242.4	592.3
40.50		1.00	0.76	4.641	5.105	0.000	1.200	2.55	1.50	6.737	8.08	41.3	241.8	589.3
42.00		1.00	0.77	4.689	5.158	0.000	1.200	2.56	1.50	6.698	8.04	41.5	241.2	586.4
43.50		1.00	0.77	4.737	5.210	0.000	1.200	2.57	1.50	6.660	7.99	41.6	240.5	583.4
45.00		1.00	0.78	4.783	5.261	0.000	1.200	2.57	1.50	6.621	7.95	41.8	239.8	580.3
46.50		1.00	0.79	4.828	5.311	0.000	1.200	2.58	1.50	6.582	7.90	41.9	239.1	577.2
46.83	Bot - Section 2	1.00	0.79	4.838	5.321	0.000	1.200	2.58	0.33	1.457	1.75	9.3	53.1	127.9
48.00		1.00	0.80	4.872	5.359	0.000	1.200	2.59	1.17	5.160	6.19	33.2	188.2	714.4
49.50		1.00	0.80	4.915	5.406	0.000	1.200	2.60	1.50	6.600	7.92	42.8	241.2	913.6
51.00		1.00	0.81	4.957	5.453	0.000	1.200	2.61	1.50	6.561	7.87	42.9	240.3	908.1
52.50		1.00	0.82	4.998	5.498	0.000	1.200	2.61	1.50	6.522	7.83	43.0	239.5	902.5
53.00	Top - Section 1	1.00	0.82	5.012	5.513	0.000	1.200	2.62	0.50	2.165	2.60	14.3	79.7	299.7
54.00		1.00	0.82	5.039	5.542	0.000	1.200	2.62	1.00	4.318	5.18	28.7	159.1	380.1
55.50		1.00	0.83	5.078	5.586	0.000	1.200	2.63	1.50	6.444	7.73	43.2	237.7	567.3
57.00		1.00	0.84	5.117	5.629	0.000	1.200	2.64	1.50	6.405	7.69	43.3	236.8	564.0
58.50		1.00	0.84	5.155	5.671	0.000	1.200	2.64	1.50	6.366	7.64	43.3	235.8	560.7
60.00		1.00	0.85	5.193	5.712	0.000	1.200	2.65	1.50	6.327	7.59	43.4	234.9	557.4
61.50		1.00	0.86	5.229	5.752	0.000	1.200	2.66	1.50	6.287	7.54	43.4	233.9	554.0
63.00		1.00	0.86	5.265	5.792	0.000	1.200	2.66	1.50	6.248	7.50	43.4	232.8	550.7
64.50		1.00	0.87	5.301	5.831	0.000	1.200	2.67	1.50	6.209	7.45	43.4	231.8	547.3
66.00		1.00	0.87	5.336	5.869	0.000	1.200	2.67	1.50	6.170	7.40	43.5	230.7	543.9
67.50		1.00	0.88	5.370	5.907	0.000	1.200	2.68	1.50	6.130	7.36	43.5	229.7	540.5
69.00		1.00	0.88	5.404	5.944	0.000	1.200	2.69	1.50	6.091	7.31	43.4	228.6	537.0
70.50		1.00	0.89	5.437	5.981	0.000	1.200	2.69	1.50	6.051	7.26	43.4	227.5	533.6

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)



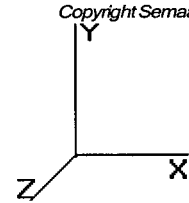
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

72.00		1.00	0.90	5.470	6.017	0.000	1.200	2.70	1.50	6.012	7.21	43.4	226.3	530.1
73.50		1.00	0.90	5.502	6.053	0.000	1.200	2.70	1.50	5.973	7.17	43.4	225.2	526.6
75.00		1.00	0.91	5.534	6.088	0.000	1.200	2.71	1.50	5.933	7.12	43.3	224.0	523.1
76.00	Appertunance(s)	1.00	0.91	5.555	6.111	0.000	1.200	2.71	1.00	3.933	4.72	28.8	148.8	346.9
76.50		1.00	0.91	5.566	6.122	0.000	1.200	2.71	0.50	1.960	2.35	14.4	74.3	172.9
78.00		1.00	0.92	5.597	6.156	0.000	1.200	2.72	1.50	5.854	7.02	43.2	221.7	516.0
79.50		1.00	0.92	5.627	6.190	0.000	1.200	2.73	1.50	5.814	6.98	43.2	220.5	512.5
81.00		1.00	0.93	5.657	6.223	0.000	1.200	2.73	1.50	5.775	6.93	43.1	219.3	508.9
82.50		1.00	0.93	5.687	6.256	0.000	1.200	2.74	1.50	5.735	6.88	43.1	218.0	505.3
84.00		1.00	0.94	5.716	6.288	0.000	1.200	2.74	1.50	5.696	6.83	43.0	216.8	501.8
85.50		1.00	0.94	5.745	6.320	0.000	1.200	2.75	1.50	5.656	6.79	42.9	215.5	498.2
87.00		1.00	0.95	5.774	6.351	0.000	1.200	2.75	1.50	5.616	6.74	42.8	214.3	494.5
88.50		1.00	0.95	5.802	6.383	0.000	1.200	2.75	1.50	5.577	6.69	42.7	213.0	490.9
89.00	Appertunance(s)	1.00	0.95	5.812	6.393	0.000	1.200	2.76	0.50	1.850	2.22	14.2	70.8	163.0
90.00		1.00	0.95	5.830	6.413	0.000	1.200	2.76	1.00	3.687	4.42	28.4	141.1	324.6
91.50		1.00	0.96	5.858	6.444	0.000	1.200	2.76	1.50	5.497	6.60	42.5	210.4	483.6
93.00		1.00	0.96	5.885	6.474	0.000	1.200	2.77	1.50	5.458	6.55	42.4	209.1	480.0
94.50		1.00	0.97	5.912	6.503	0.000	1.200	2.77	1.50	5.418	6.50	42.3	207.8	476.3
94.92	Bot - Section 3	1.00	0.97	5.920	6.512	0.000	1.200	2.77	0.42	1.498	1.80	11.7	57.6	131.8
96.00		1.00	0.97	5.939	6.533	0.000	1.200	2.78	1.08	3.937	4.72	30.9	151.4	506.5
97.50		1.00	0.98	5.965	6.562	0.000	1.200	2.78	1.50	5.418	6.50	42.7	208.3	696.3
98.00	Appertunance(s)	1.00	0.98	5.974	6.571	0.000	1.200	2.78	0.50	1.797	2.16	14.2	69.3	231.0
99.00		1.00	0.98	5.991	6.590	0.000	1.200	2.79	1.00	3.581	4.30	28.3	138.0	459.9
99.83	Top - Section 2	1.00	0.98	6.006	6.606	0.000	1.200	2.79	0.83	2.970	3.56	23.5	114.6	381.4
100.5		1.00	0.99	6.017	6.619	0.000	1.200	2.79	0.67	2.367	2.84	18.8	91.4	189.0
102.0		1.00	0.99	6.043	6.647	0.000	1.200	2.79	1.50	5.298	6.36	42.3	204.3	422.5
103.5		1.00	0.99	6.068	6.675	0.000	1.200	2.80	1.50	5.258	6.31	42.1	202.9	419.1
105.0		1.00	1.00	6.093	6.702	0.000	1.200	2.80	1.50	5.219	6.26	42.0	201.5	415.8
106.5		1.00	1.00	6.118	6.729	0.000	1.200	2.81	1.50	5.179	6.21	41.8	200.1	412.5
108.0		1.00	1.01	6.142	6.756	0.000	1.200	2.81	1.50	5.139	6.17	41.7	198.7	409.1
109.5		1.00	1.01	6.166	6.783	0.000	1.200	2.81	1.50	5.099	6.12	41.5	197.3	405.7
111.0		1.00	1.01	6.190	6.809	0.000	1.200	2.82	1.50	5.059	6.07	41.3	195.9	402.4
112.5		1.00	1.02	6.214	6.835	0.000	1.200	2.82	1.50	5.019	6.02	41.2	194.5	399.0
113.0	Appertunance(s)	1.00	1.02	6.222	6.844	0.000	1.200	2.82	0.50	1.664	2.00	13.7	64.7	132.4
114.0		1.00	1.02	6.238	6.861	0.000	1.200	2.83	1.00	3.315	3.98	27.3	128.7	263.5
115.5		1.00	1.03	6.261	6.887	0.000	1.200	2.83	1.50	4.939	5.93	40.8	191.6	392.2
117.0		1.00	1.03	6.284	6.913	0.000	1.200	2.83	1.50	4.899	5.88	40.6	190.1	388.8
118.5		1.00	1.03	6.307	6.938	0.000	1.200	2.84	1.50	4.859	5.83	40.5	188.7	385.4
120.0		1.00	1.04	6.330	6.963	0.000	1.200	2.84	1.50	4.819	5.78	40.3	187.2	381.9
121.5		1.00	1.04	6.352	6.987	0.000	1.200	2.84	1.50	4.780	5.74	40.1	185.7	378.5
123.0	Appertunance(s)	1.00	1.04	6.375	7.012	0.000	1.200	2.85	1.50	4.740	5.69	39.9	184.3	375.1
124.5		1.00	1.05	6.397	7.036	0.000	1.200	2.85	1.50	4.700	5.64	39.7	182.8	371.6
126.0		1.00	1.05	6.419	7.060	0.000	1.200	2.85	1.50	4.660	5.59	39.5	181.3	368.2
127.5		1.00	1.05	6.440	7.084	0.000	1.200	2.86	1.50	4.620	5.54	39.3	179.8	364.7
129.0		1.00	1.06	6.462	7.108	0.000	1.200	2.86	1.50	4.580	5.50	39.1	178.3	361.3
130.5		1.00	1.06	6.483	7.132	0.000	1.200	2.86	1.50	4.540	5.45	38.8	176.8	357.8
132.0		1.00	1.07	6.504	7.155	0.000	1.200	2.87	1.50	4.499	5.40	38.6	175.2	354.3
133.5		1.00	1.07	6.526	7.178	0.000	1.200	2.87	1.50	4.459	5.35	38.4	173.7	350.9
135.0	Appertunance(s)	1.00	1.07	6.546	7.201	0.000	1.200	2.87	1.50	4.419	5.30	38.2	172.2	347.4
136.5		1.00	1.08	6.567	7.224	0.000	1.200	2.88	1.50	4.379	5.26	38.0	170.7	343.9
138.0		1.00	1.08	6.588	7.246	0.000	1.200	2.88	1.50	4.339	5.21	37.7	169.1	340.4
139.5		1.00	1.08	6.608	7.269	0.000	1.200	2.88	1.50	4.299	5.16	37.5	167.6	336.9
141.0		1.00	1.09	6.628	7.291	0.000	1.200	2.89	1.50	4.259	5.11	37.3	166.0	333.4
142.5		1.00	1.09	6.648	7.313	0.000	1.200	2.89	1.50	4.219	5.06	37.0	164.5	329.9
144.0		1.00	1.09	6.668	7.335	0.000	1.200	2.89	1.50	4.179	5.01	36.8	162.9	326.3
145.5		1.00	1.10	6.688	7.357	0.000	1.200	2.90	1.50	4.139	4.97	36.5	161.3	322.8
147.0	Appertunance(s)	1.00	1.10	6.708	7.378	0.000	1.200	2.90	1.50	4.099	4.92	36.3	159.7	319.3

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)

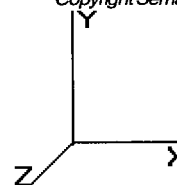


Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

147.9	Appertunance(s)	1.00	1.10	6.719	7.391	0.000	1.200	2.90	0.90	2.440	2.93	21.6	95.3	190.1
147.9		1.00	1.10	6.720	7.391	0.000	1.200	2.90	0.02	0.046	0.06	0.4	1.8	3.6
Totals:								147.92			4,072.0	21,219.0	51,629.9	

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

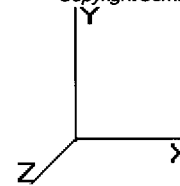
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
20.00	Lucent KS-24019	1	4.256	4.682	1.00	1.00	0.69	0.000	0.000	3.25	0.00	0.00	42.24
76.00	Side Markers	2	5.555	6.111	1.00	1.00	3.96	0.000	0.000	24.17	0.00	0.00	279.51
89.00	DragonWave A-ANT-	1	5.812	6.393	0.90	1.00	10.27	0.000	0.000	65.64	0.00	0.00	309.08
89.00	Side Arms	1	5.812	6.393	0.67	1.00	13.24	0.000	0.000	84.65	0.00	0.00	1,294.09
89.00	NextNet BTS-2500	3	5.812	6.393	0.40	0.80	3.30	0.000	0.000	21.10	0.00	0.00	445.49
89.00	Argus LLPX310R	3	5.812	6.393	0.58	0.80	9.97	0.000	0.000	63.76	0.00	0.00	688.14
89.00	DragonWave Horizon	2	5.812	6.393	0.40	0.80	0.71	0.000	0.000	4.54	0.00	0.00	144.66
89.00	DragonWave A-ANT-	1	5.812	6.393	0.72	0.80	4.83	0.000	0.000	30.88	0.00	0.00	159.21
98.00	Decibel DB844H90E-A	9	5.974	6.571	0.69	0.80	26.70	0.000	0.000	175.48	0.00	0.00	1,939.74
98.00	Round Low Profile PI	1	5.974	6.571	1.00	1.00	52.43	0.000	0.000	344.51	0.00	0.00	2,636.94
113.0	RFS APXV18-206517	3	6.222	6.844	0.80	1.00	17.01	0.000	0.000	116.42	0.00	0.00	748.09
123.0	RFS APXV18-206516L-	6	6.375	7.012	0.64	0.80	19.95	0.000	0.000	139.86	0.00	0.00	1,178.07
123.0	RFS APX16DWW-	3	6.375	7.012	0.52	0.80	12.34	0.000	0.000	86.54	0.00	0.00	879.03
123.0	Round T-Arms	3	6.375	7.012	0.50	0.75	34.97	0.000	0.000	245.21	0.00	0.00	1,734.55
123.0	RFS ATMAA1412D-	3	6.375	7.012	0.40	0.80	2.12	0.000	0.000	14.88	0.00	0.00	262.38
123.0	RFS ATMPP1412D-	3	6.375	7.012	0.40	0.80	2.14	0.000	0.000	15.00	0.00	0.00	247.43
135.0	Powerwave LGP21903	6	6.546	7.201	0.38	0.75	1.56	0.000	0.000	11.20	0.00	0.00	231.90
135.0	Powerwave LGP21401	6	6.546	7.201	0.38	0.75	4.33	0.000	0.000	31.20	0.00	0.00	524.38
135.0	Flat Platform w/ Han	1	6.546	7.201	1.00	1.00	77.06	0.000	0.000	554.90	0.00	0.00	4,298.59
135.0	Powerwave 7750.00	6	6.546	7.201	0.56	0.75	24.73	0.000	0.000	178.05	0.00	0.00	1,792.13
147.0	Flat Platform w/ Han	1	6.708	7.378	1.00	1.00	77.35	0.000	0.000	570.75	0.00	0.00	4,318.68
147.0	48" x 12" Panels	9	6.708	7.378	0.50	0.75	30.67	0.000	0.000	226.26	0.00	0.00	2,614.85
147.0	72" x 12" Panels	3	6.708	7.378	0.50	0.75	15.65	0.000	0.000	115.49	0.00	0.00	1,230.10
147.9	Flash Technology FTB	1	6.741	7.416	1.00	1.00	5.48	0.000	1.710	40.63	0.00	69.48	469.46
										3,164.39			28,468.76

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
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 Base Dia : 56.58 (in)
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Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 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		

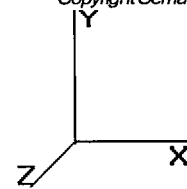
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	F X (lb)	Dead Load (lb)
6.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.52	0.00	4.256	0.023	0.000	0.00	32.78
6.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.023	0.000	0.00	7.92
6.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.023	0.000	0.00	8.90
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.023	0.000	0.00	6.68
7.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.79	0.00	4.256	0.035	0.000	0.00	50.19
7.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.035	0.000	0.00	12.32
7.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.035	0.000	0.00	13.83
7.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.035	0.000	0.00	10.42
9.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	4.256	0.036	0.000	0.00	51.06
9.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	12.70
9.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	14.23
9.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	10.77
10.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.80	0.00	4.256	0.036	0.000	0.00	51.81
10.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	13.03
10.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	14.58
10.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	11.07
12.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.81	0.00	4.256	0.036	0.000	0.00	52.47
12.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	13.32
12.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	14.90
12.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	11.34
13.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.82	0.00	4.256	0.036	0.000	0.00	53.07
13.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	13.58
13.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	15.18
13.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	11.58
15.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.83	0.00	4.256	0.036	0.000	0.00	53.61
15.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	13.82
15.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	15.44
15.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.036	0.000	0.00	11.80
16.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.83	0.00	4.256	0.037	0.000	0.00	54.10
16.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	14.04
16.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	15.67
16.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	12.00
18.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.84	0.00	4.256	0.037	0.000	0.00	54.56
18.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	14.24
18.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	15.89
18.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	12.19
19.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.84	0.00	4.256	0.037	0.000	0.00	54.98
19.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	14.44
19.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	16.10
19.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	12.37
20.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.28	0.00	4.256	0.037	0.000	0.00	18.37
20.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	4.83
20.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	5.39
20.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	4.14
21.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.56	0.00	4.256	0.037	0.000	0.00	36.92
21.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	9.74
21.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	4.256	0.037	0.000	0.00	10.86
22.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.85	0.00	4.256	0.038	0.000	0.00	55.76
22.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.038	0.000	0.00	14.78
22.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.038	0.000	0.00	16.47
24.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.85	0.00	4.256	0.038	0.000	0.00	56.11

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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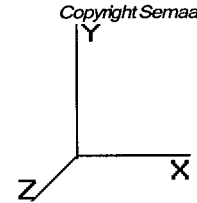
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

24.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.038	0.000	0.00	14.95
24.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.038	0.000	0.00	16.65
25.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.86	0.00	4.256	0.038	0.000	0.00	56.45
25.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.038	0.000	0.00	15.10
25.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.038	0.000	0.00	16.81
27.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.86	0.00	4.256	0.038	0.000	0.00	56.76
27.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.038	0.000	0.00	15.24
27.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.038	0.000	0.00	16.96
28.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.86	0.00	4.256	0.039	0.000	0.00	57.07
28.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.039	0.000	0.00	15.38
28.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.256	0.039	0.000	0.00	17.11
30.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.87	0.00	4.260	0.039	0.000	0.00	57.36
30.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.260	0.039	0.000	0.00	15.52
30.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.260	0.039	0.000	0.00	17.26
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.87	0.00	4.319	0.039	0.000	0.00	57.64
31.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.319	0.039	0.000	0.00	15.64
31.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.319	0.039	0.000	0.00	17.39
33.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.87	0.00	4.377	0.039	0.000	0.00	57.90
33.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.377	0.039	0.000	0.00	15.77
33.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.377	0.039	0.000	0.00	17.52
34.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.88	0.00	4.433	0.040	0.000	0.00	58.16
34.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.433	0.040	0.000	0.00	15.89
34.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.433	0.040	0.000	0.00	17.65
36.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.88	0.00	4.487	0.040	0.000	0.00	58.41
36.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.487	0.040	0.000	0.00	16.00
36.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.487	0.040	0.000	0.00	17.77
37.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.88	0.00	4.540	0.040	0.000	0.00	58.65
37.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.540	0.040	0.000	0.00	16.11
37.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.540	0.040	0.000	0.00	17.89
39.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.88	0.00	4.591	0.040	0.000	0.00	58.88
39.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.591	0.040	0.000	0.00	16.22
39.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.591	0.040	0.000	0.00	18.01
40.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.89	0.00	4.641	0.041	0.000	0.00	59.10
40.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.641	0.041	0.000	0.00	16.32
40.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.641	0.041	0.000	0.00	18.12
42.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.89	0.00	4.689	0.041	0.000	0.00	59.32
42.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.689	0.041	0.000	0.00	16.42
42.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.689	0.041	0.000	0.00	18.23
43.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.89	0.00	4.737	0.041	0.000	0.00	59.52
43.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.737	0.041	0.000	0.00	16.52
43.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.737	0.041	0.000	0.00	18.33
45.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.89	0.00	4.783	0.041	0.000	0.00	59.73
45.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.783	0.041	0.000	0.00	16.62
45.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.783	0.041	0.000	0.00	18.43
46.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.89	0.00	4.828	0.042	0.000	0.00	59.93
46.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.828	0.042	0.000	0.00	16.71
46.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.828	0.042	0.000	0.00	18.53
46.83	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.20	0.00	4.838	0.042	0.000	0.00	13.33
46.83	(2) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	4.838	0.042	0.000	0.00	3.72
46.83	(6) 5/16" Coax	Yes	0.33	0.000	0.00	0.00	0.00	4.838	0.042	0.000	0.00	4.12
48.00	(6) 1 5/8" Coax	Yes	1.17	0.000	1.98	0.70	0.00	4.872	0.042	0.000	0.00	46.76
48.00	(2) 1/2" Coax	Yes	1.17	0.000	0.00	0.00	0.00	4.872	0.042	0.000	0.00	13.07
48.00	(6) 5/16" Coax	Yes	1.17	0.000	0.00	0.00	0.00	4.872	0.042	0.000	0.00	14.49
49.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.90	0.00	4.915	0.042	0.000	0.00	60.30
49.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.915	0.042	0.000	0.00	16.89
49.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.915	0.042	0.000	0.00	18.72
51.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.90	0.00	4.957	0.043	0.000	0.00	60.49

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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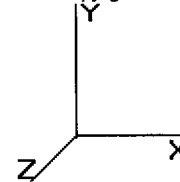


Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

51.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.957	0.043	0.000	0.00	16.97
51.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.957	0.043	0.000	0.00	18.81
52.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.90	0.00	4.998	0.043	0.000	0.00	60.66
52.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.998	0.043	0.000	0.00	17.06
52.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.998	0.043	0.000	0.00	18.90
53.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.30	0.00	5.012	0.043	0.000	0.00	20.24
53.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.012	0.043	0.000	0.00	5.69
53.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.012	0.043	0.000	0.00	6.31
54.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.60	0.00	5.039	0.043	0.000	0.00	40.56
54.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.039	0.043	0.000	0.00	11.43
54.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.039	0.043	0.000	0.00	12.66
55.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.91	0.00	5.078	0.043	0.000	0.00	61.01
55.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.078	0.043	0.000	0.00	17.22
55.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.078	0.043	0.000	0.00	19.07
57.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.91	0.00	5.117	0.043	0.000	0.00	61.17
57.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.117	0.043	0.000	0.00	17.30
57.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.117	0.043	0.000	0.00	19.16
58.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.91	0.00	5.155	0.043	0.000	0.00	61.33
58.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.155	0.043	0.000	0.00	17.37
58.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.155	0.043	0.000	0.00	19.24
60.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.91	0.00	5.193	0.044	0.000	0.00	61.49
60.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.193	0.044	0.000	0.00	17.45
60.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.193	0.044	0.000	0.00	19.32
61.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.91	0.00	5.229	0.044	0.000	0.00	61.65
61.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.229	0.044	0.000	0.00	17.52
61.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.229	0.044	0.000	0.00	19.40
63.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.91	0.00	5.265	0.044	0.000	0.00	61.80
63.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.265	0.044	0.000	0.00	17.59
63.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.265	0.044	0.000	0.00	19.47
64.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.92	0.00	5.301	0.045	0.000	0.00	61.95
64.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.301	0.045	0.000	0.00	17.66
64.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.301	0.045	0.000	0.00	19.55
66.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.92	0.00	5.336	0.045	0.000	0.00	62.09
66.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.336	0.045	0.000	0.00	17.73
66.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.336	0.045	0.000	0.00	19.62
67.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.92	0.00	5.370	0.045	0.000	0.00	62.24
67.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.370	0.045	0.000	0.00	17.80
67.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.370	0.045	0.000	0.00	19.70
69.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.92	0.00	5.404	0.046	0.000	0.00	62.38
69.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.404	0.046	0.000	0.00	17.87
69.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.404	0.046	0.000	0.00	19.77
70.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.92	0.00	5.437	0.046	0.000	0.00	62.51
70.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.437	0.046	0.000	0.00	17.94
70.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.437	0.046	0.000	0.00	19.84
72.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.92	0.00	5.470	0.046	0.000	0.00	62.65
72.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.470	0.046	0.000	0.00	18.00
72.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.470	0.046	0.000	0.00	19.91
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.92	0.00	5.502	0.047	0.000	0.00	62.78
73.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.502	0.047	0.000	0.00	18.06
73.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.502	0.047	0.000	0.00	19.97
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.93	0.00	5.534	0.047	0.000	0.00	62.91
75.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.534	0.047	0.000	0.00	18.13
75.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.534	0.047	0.000	0.00	20.04
76.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.62	0.00	5.555	0.047	0.000	0.00	42.00
76.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.555	0.047	0.000	0.00	12.11
76.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.555	0.047	0.000	0.00	13.39
76.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.31	0.00	5.566	0.048	0.000	0.00	21.01

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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 1.25 in Radial Ice	26 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		

76.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.566	0.048	0.000	0.00	6.06
76.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.566	0.048	0.000	0.00	6.70
78.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.93	0.00	5.597	0.048	0.000	0.00	63.17
78.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.597	0.048	0.000	0.00	18.25
78.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.597	0.048	0.000	0.00	20.17
79.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.93	0.00	5.627	0.048	0.000	0.00	63.29
79.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.627	0.048	0.000	0.00	18.31
79.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.627	0.048	0.000	0.00	20.23
81.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.93	0.00	5.657	0.049	0.000	0.00	63.41
81.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.657	0.049	0.000	0.00	18.37
81.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.657	0.049	0.000	0.00	20.30
82.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.93	0.00	5.687	0.049	0.000	0.00	63.53
82.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.687	0.049	0.000	0.00	18.42
82.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.687	0.049	0.000	0.00	20.36
84.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.93	0.00	5.716	0.049	0.000	0.00	63.65
84.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.716	0.049	0.000	0.00	18.48
84.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.716	0.049	0.000	0.00	20.42
85.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.93	0.00	5.745	0.050	0.000	0.00	63.77
85.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.745	0.050	0.000	0.00	18.54
85.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.745	0.050	0.000	0.00	20.48
87.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.94	0.00	5.774	0.050	0.000	0.00	63.88
87.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.774	0.050	0.000	0.00	18.59
87.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.774	0.050	0.000	0.00	20.54
88.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.94	0.00	5.802	0.051	0.000	0.00	63.99
88.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.802	0.051	0.000	0.00	18.65
88.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.802	0.051	0.000	0.00	20.59
89.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.31	0.00	5.812	0.051	0.000	0.00	21.34
89.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.812	0.051	0.000	0.00	6.22
89.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	5.812	0.051	0.000	0.00	6.87
90.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.63	0.00	5.830	0.051	0.000	0.00	42.74
91.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.94	0.00	5.858	0.052	0.000	0.00	64.21
93.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.94	0.00	5.885	0.052	0.000	0.00	64.32
94.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.94	0.00	5.912	0.052	0.000	0.00	64.43
94.92	(6) 1 5/8" Coax	Yes	0.42	0.000	1.98	0.26	0.00	5.920	0.053	0.000	0.00	17.91
96.00	(6) 1 5/8" Coax	Yes	1.08	0.000	1.98	0.68	0.00	5.939	0.053	0.000	0.00	46.61
97.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.94	0.00	5.965	0.053	0.000	0.00	64.64
98.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.31	0.00	5.974	0.054	0.000	0.00	21.56
99.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.63	0.00	5.991	0.054	0.000	0.00	43.16
99.83	(6) 1 5/8" Coax	Yes	0.83	0.000	1.98	0.53	0.00	6.006	0.054	0.000	0.00	36.00
100.5	(6) 1 5/8" Coax	Yes	0.67	0.000	1.98	0.42	0.00	6.017	0.053	0.000	0.00	28.82
102.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.95	0.00	6.043	0.054	0.000	0.00	64.94
103.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.95	0.00	6.068	0.054	0.000	0.00	65.04
105.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.95	0.00	6.093	0.055	0.000	0.00	65.14
106.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.95	0.00	6.118	0.055	0.000	0.00	65.23
108.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.95	0.00	6.142	0.056	0.000	0.00	65.33
109.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.95	0.00	6.166	0.056	0.000	0.00	65.42
111.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.95	0.00	6.190	0.057	0.000	0.00	65.52
112.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.95	0.00	6.214	0.057	0.000	0.00	65.61
113.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.32	0.00	6.222	0.058	0.000	0.00	21.88
114.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.64	0.00	6.238	0.058	0.000	0.00	43.80
115.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.96	0.00	6.261	0.058	0.000	0.00	65.79
117.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.96	0.00	6.284	0.059	0.000	0.00	65.88
118.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.96	0.00	6.307	0.060	0.000	0.00	65.97
120.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.96	0.00	6.330	0.060	0.000	0.00	66.05
121.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.96	0.00	6.352	0.061	0.000	0.00	66.14
123.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.96	0.00	6.375	0.061	0.000	0.00	66.22

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

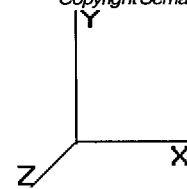
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1

Base Elev : 0.000 (ft)

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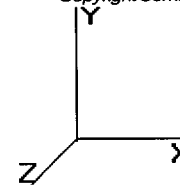


Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

Totals: 0.00 6,842.57

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
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Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
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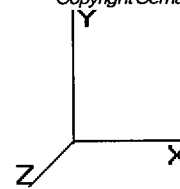
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
1.50	42.81	608.90	0.00	0.00
3.00	42.76	620.22	0.00	0.00
4.50	42.65	625.80	0.00	0.00
6.00	42.50	740.09	0.00	0.00
7.50	42.34	799.72	0.00	0.00
9.00	42.17	802.46	0.00	0.00
10.50	41.98	804.27	0.00	0.00
12.00	41.80	805.40	0.00	0.00
13.50	41.61	806.00	0.00	0.00
15.00	41.41	806.16	0.00	0.00
16.50	41.21	805.97	0.00	0.00
18.00	41.01	805.48	0.00	0.00
19.50	40.81	804.74	0.00	0.00
20.00	16.81	310.13	0.00	0.00
21.00	27.04	527.23	0.00	0.00
22.50	40.40	789.93	0.00	0.00
24.00	40.19	788.46	0.00	0.00
25.50	39.98	786.85	0.00	0.00
27.00	39.77	785.11	0.00	0.00
28.50	39.56	783.25	0.00	0.00
30.00	39.38	781.29	0.00	0.00
31.50	39.72	779.24	0.00	0.00
33.00	40.03	777.09	0.00	0.00
34.50	40.32	774.87	0.00	0.00
36.00	40.59	772.57	0.00	0.00
37.50	40.83	770.20	0.00	0.00
39.00	41.06	767.77	0.00	0.00
40.50	41.27	765.28	0.00	0.00
42.00	41.46	762.74	0.00	0.00
43.50	41.64	760.14	0.00	0.00
45.00	41.80	757.49	0.00	0.00
46.50	41.95	754.79	0.00	0.00
46.83	9.31	167.40	0.00	0.00
48.00	33.18	852.82	0.00	0.00
49.50	42.82	1,091.89	0.00	0.00
51.00	42.93	1,086.74	0.00	0.00
52.50	43.03	1,081.55	0.00	0.00
53.00	14.32	359.41	0.00	0.00
54.00	28.72	499.66	0.00	0.00
55.50	43.19	746.96	0.00	0.00
57.00	43.26	744.02	0.00	0.00
58.50	43.32	741.04	0.00	0.00
60.00	43.36	738.03	0.00	0.00
61.50	43.40	734.99	0.00	0.00
63.00	43.43	731.93	0.00	0.00
64.50	43.44	728.84	0.00	0.00
66.00	43.45	725.73	0.00	0.00
67.50	43.46	722.59	0.00	0.00
69.00	43.45	719.43	0.00	0.00

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)



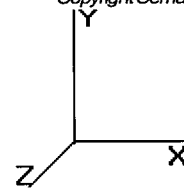
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

70.50	43.43	716.24	0.00	0.00
72.00	43.41	713.04	0.00	0.00
73.50	43.38	709.81	0.00	0.00
75.00	43.34	706.56	0.00	0.00
76.00	53.01	748.84	0.00	0.00
76.50	14.40	234.17	0.00	0.00
78.00	43.25	700.01	0.00	0.00
79.50	43.19	696.71	0.00	0.00
81.00	43.13	693.39	0.00	0.00
82.50	43.05	690.05	0.00	0.00
84.00	42.98	686.70	0.00	0.00
85.50	42.90	683.33	0.00	0.00
87.00	42.81	679.95	0.00	0.00
88.50	42.71	676.55	0.00	0.00
89.00	284.77	3,265.55	0.00	0.00
90.00	28.37	422.26	0.00	0.00
91.50	42.51	630.24	0.00	0.00
93.00	42.40	626.69	0.00	0.00
94.50	42.28	623.13	0.00	0.00
94.92	11.70	172.58	0.00	0.00
96.00	30.87	612.62	0.00	0.00
97.50	42.66	843.31	0.00	0.00
98.00	534.17	4,856.69	0.00	0.00
99.00	28.32	544.42	0.00	0.00
99.83	23.55	451.84	0.00	0.00
100.5	18.80	245.37	0.00	0.00
102.0	42.26	549.40	0.00	0.00
103.5	42.12	546.17	0.00	0.00
105.0	41.97	542.92	0.00	0.00
106.5	41.82	539.67	0.00	0.00
108.0	41.66	536.41	0.00	0.00
109.5	41.50	533.14	0.00	0.00
111.0	41.34	529.85	0.00	0.00
112.5	41.17	526.56	0.00	0.00
113.0	130.09	923.02	0.00	0.00
114.0	27.29	342.72	0.00	0.00
115.5	40.82	511.10	0.00	0.00
117.0	40.64	507.78	0.00	0.00
118.5	40.46	504.46	0.00	0.00
120.0	40.27	501.13	0.00	0.00
121.5	40.08	497.79	0.00	0.00
123.0	541.37	4,795.89	0.00	0.00
124.5	39.68	407.06	0.00	0.00
126.0	39.48	403.61	0.00	0.00
127.5	39.27	400.16	0.00	0.00
129.0	39.06	396.70	0.00	0.00
130.5	38.85	393.23	0.00	0.00
132.0	38.63	389.76	0.00	0.00
133.5	38.41	386.28	0.00	0.00
135.0	813.53	7,229.80	0.00	0.00
136.5	37.96	361.59	0.00	0.00
138.0	37.73	358.10	0.00	0.00
139.5	37.50	354.59	0.00	0.00
141.0	37.26	351.08	0.00	0.00
142.5	37.03	347.57	0.00	0.00
144.0	36.78	344.05	0.00	0.00
145.5	36.54	340.53	0.00	0.00

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)



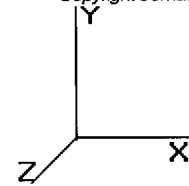
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

147.0	948.80	8,500.62	0.00	0.00
147.9	62.27	659.53	0.00	69.48
147.9	0.41	3.59	0.00	0.00
Totals:	7,236.36	93,448.65	0.00	69.48

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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 Page : 47



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 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		

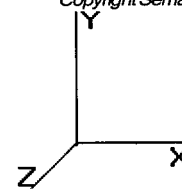
Calculated Forces

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	-93.45	-7.24	0.00	-753.31	0.00	753.31	4,345.86	2,172.93	10,048.4	5,031.69	0.00	0.00	0.171
1.50	-92.84	-7.22	0.00	-742.44	0.00	742.44	4,331.63	2,165.82	9,957.80	4,986.30	0.00	-0.01	0.170
3.00	-92.22	-7.20	0.00	-731.61	0.00	731.61	4,317.28	2,158.64	9,867.26	4,940.97	0.01	-0.02	0.169
4.50	-91.59	-7.17	0.00	-720.82	0.00	720.82	4,302.80	2,151.40	9,776.83	4,895.68	0.02	-0.04	0.169
6.00	-90.85	-7.15	0.00	-710.06	0.00	710.06	4,288.20	2,144.10	9,686.50	4,850.45	0.03	-0.05	0.168
7.50	-90.05	-7.13	0.00	-699.33	0.00	699.33	4,273.48	2,136.74	9,596.29	4,805.28	0.05	-0.06	0.167
9.00	-89.24	-7.10	0.00	-688.64	0.00	688.64	4,258.63	2,129.32	9,506.19	4,760.16	0.07	-0.07	0.166
10.50	-88.44	-7.08	0.00	-677.99	0.00	677.99	4,243.67	2,121.83	9,416.22	4,715.11	0.09	-0.08	0.165
12.00	-87.63	-7.05	0.00	-667.38	0.00	667.38	4,228.57	2,114.29	9,326.38	4,670.12	0.12	-0.10	0.164
13.50	-86.82	-7.03	0.00	-656.80	0.00	656.80	4,213.36	2,106.68	9,236.67	4,625.20	0.15	-0.11	0.163
15.00	-86.01	-7.00	0.00	-646.25	0.00	646.25	4,198.03	2,099.01	9,147.09	4,580.35	0.19	-0.12	0.162
16.50	-85.21	-6.98	0.00	-635.75	0.00	635.75	4,182.57	2,091.28	9,057.66	4,535.56	0.23	-0.13	0.161
18.00	-84.40	-6.95	0.00	-625.28	0.00	625.28	4,166.99	2,083.49	8,968.38	4,490.86	0.27	-0.15	0.159
19.50	-83.59	-6.92	0.00	-614.85	0.00	614.85	4,151.28	2,075.64	8,879.26	4,446.23	0.32	-0.16	0.158
20.00	-83.28	-6.91	0.00	-611.39	0.00	611.39	4,146.02	2,073.01	8,849.58	4,431.37	0.34	-0.16	0.158
21.00	-82.76	-6.90	0.00	-604.48	0.00	604.48	4,135.46	2,067.73	8,790.29	4,401.68	0.37	-0.17	0.157
22.50	-81.96	-6.88	0.00	-594.12	0.00	594.12	4,119.50	2,059.75	8,701.48	4,357.21	0.43	-0.18	0.156
24.00	-81.17	-6.85	0.00	-583.81	0.00	583.81	4,103.43	2,051.72	8,612.84	4,312.82	0.49	-0.19	0.155
25.50	-80.39	-6.82	0.00	-573.54	0.00	573.54	4,087.24	2,043.62	8,524.37	4,268.52	0.55	-0.21	0.154
27.00	-79.60	-6.80	0.00	-563.30	0.00	563.30	4,070.92	2,035.46	8,436.08	4,224.31	0.62	-0.22	0.153
28.50	-78.81	-6.77	0.00	-553.10	0.00	553.10	4,054.48	2,027.24	8,347.97	4,180.19	0.69	-0.23	0.152
30.00	-78.03	-6.75	0.00	-542.94	0.00	542.94	4,037.92	2,018.96	8,260.05	4,136.16	0.76	-0.24	0.151
31.50	-77.25	-6.72	0.00	-532.82	0.00	532.82	4,021.23	2,010.62	8,172.32	4,092.24	0.84	-0.26	0.149
33.00	-76.47	-6.69	0.00	-522.74	0.00	522.74	4,004.42	2,002.21	8,084.79	4,048.40	0.93	-0.27	0.148
34.50	-75.70	-6.67	0.00	-512.70	0.00	512.70	3,987.49	1,993.75	7,997.46	4,004.67	1.01	-0.28	0.147
36.00	-74.92	-6.64	0.00	-502.70	0.00	502.70	3,970.44	1,985.22	7,910.34	3,961.05	1.10	-0.29	0.146
37.50	-74.15	-6.61	0.00	-492.74	0.00	492.74	3,953.26	1,976.63	7,823.43	3,917.53	1.20	-0.31	0.145
39.00	-73.38	-6.58	0.00	-482.83	0.00	482.83	3,935.96	1,967.98	7,736.37	3,874.12	1.30	-0.32	0.143
40.50	-72.62	-6.55	0.00	-472.96	0.00	472.96	3,918.54	1,959.27	7,650.26	3,830.82	1.40	-0.33	0.142
42.00	-71.85	-6.52	0.00	-463.13	0.00	463.13	3,900.99	1,950.50	7,564.01	3,787.63	1.50	-0.34	0.141
43.50	-71.09	-6.49	0.00	-453.35	0.00	453.35	3,883.32	1,941.66	7,478.00	3,744.56	1.61	-0.36	0.139
45.00	-70.33	-6.46	0.00	-443.62	0.00	443.62	3,865.53	1,932.77	7,392.22	3,701.60	1.73	-0.37	0.138
46.50	-69.58	-6.42	0.00	-433.94	0.00	433.94	3,847.62	1,923.81	7,306.68	3,658.77	1.84	-0.38	0.137
46.83	-69.41	-6.42	0.00	-431.80	0.00	431.80	3,843.62	1,921.81	7,287.71	3,649.27	1.87	-0.38	0.136
48.00	-68.56	-6.39	0.00	-424.31	0.00	424.31	3,829.58	1,914.79	7,221.39	3,616.06	1.97	-0.39	0.135
49.50	-67.46	-6.36	0.00	-414.72	0.00	414.72	3,811.43	1,905.71	7,136.35	3,573.48	2.09	-0.40	0.134
51.00	-66.38	-6.32	0.00	-405.19	0.00	405.19	3,793.14	1,896.57	7,051.57	3,531.02	2.22	-0.42	0.132
52.50	-65.29	-6.28	0.00	-395.71	0.00	395.71	3,774.74	1,887.37	6,967.04	3,488.70	2.35	-0.43	0.131
53.00	-64.93	-6.27	0.00	-392.58	0.00	392.58	3,811.37	1,905.68	7,136.09	3,573.35	2.40	-0.43	0.127
54.00	-64.43	-6.25	0.00	-386.31	0.00	386.31	3,799.20	1,899.60	7,079.54	3,545.03	2.49	-0.44	0.126
55.50	-63.68	-6.21	0.00	-376.94	0.00	376.94	3,780.83	1,890.42	6,994.93	3,502.66	2.63	-0.45	0.124
57.00	-62.94	-6.17	0.00	-367.63	0.00	367.63	3,762.35	1,881.17	6,910.58	3,460.43	2.78	-0.46	0.123
58.50	-62.20	-6.14	0.00	-358.37	0.00	358.37	3,743.74	1,871.87	6,826.51	3,418.33	2.92	-0.48	0.121
60.00	-61.46	-6.10	0.00	-349.17	0.00	349.17	3,725.00	1,862.50	6,742.70	3,376.36	3.08	-0.49	0.120
61.50	-60.72	-6.06	0.00	-340.02	0.00	340.02	3,706.15	1,853.08	6,659.18	3,334.54	3.23	-0.50	0.118
63.00	-59.99	-6.02	0.00	-330.93	0.00	330.93	3,687.17	1,843.59	6,575.94	3,292.86	3.39	-0.51	0.117
64.50	-59.26	-5.98	0.00	-321.89	0.00	321.89	3,668.07	1,834.04	6,492.98	3,251.32	3.55	-0.52	0.115
66.00	-58.53	-5.95	0.00	-312.92	0.00	312.92	3,648.85	1,824.43	6,410.33	3,209.93	3.72	-0.53	0.114
67.50	-57.81	-5.91	0.00	-304.00	0.00	304.00	3,629.50	1,814.75	6,327.97	3,168.69	3.89	-0.54	0.112
69.00	-57.09	-5.87	0.00	-295.14	0.00	295.14	3,610.04	1,805.02	6,245.91	3,127.60	4.06	-0.56	0.110
70.50	-56.37	-5.83	0.00	-286.34	0.00	286.34	3,590.45	1,795.22	6,164.16	3,086.66	4.24	-0.57	0.108

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

72.00	-55.66	-5.79	0.00	-277.60	0.00	277.60	3,570.73	1,785.37	6,082.73	3,045.88	4.42	-0.58	0.107
73.50	-54.95	-5.75	0.00	-268.92	0.00	268.92	3,550.89	1,775.45	6,001.61	3,005.27	4.60	-0.59	0.105
75.00	-54.24	-5.71	0.00	-260.30	0.00	260.30	3,530.94	1,765.47	5,920.82	2,964.81	4.79	-0.60	0.103
76.00	-53.49	-5.65	0.00	-254.59	0.00	254.59	3,517.56	1,758.78	5,867.14	2,937.93	4.91	-0.61	0.102
76.50	-53.26	-5.64	0.00	-251.77	0.00	251.77	3,510.85	1,755.43	5,840.35	2,924.52	4.98	-0.61	0.101
78.00	-52.56	-5.60	0.00	-243.31	0.00	243.31	3,490.65	1,745.32	5,760.22	2,884.39	5.17	-0.62	0.099
79.50	-51.86	-5.56	0.00	-234.91	0.00	234.91	3,470.32	1,735.16	5,680.42	2,844.43	5.37	-0.63	0.098
81.00	-51.17	-5.52	0.00	-226.58	0.00	226.58	3,449.87	1,724.94	5,600.97	2,804.65	5.57	-0.64	0.096
82.50	-50.48	-5.47	0.00	-218.30	0.00	218.30	3,429.30	1,714.65	5,521.86	2,765.04	5.77	-0.65	0.094
84.00	-49.79	-5.43	0.00	-210.09	0.00	210.09	3,408.60	1,704.30	5,443.11	2,725.60	5.98	-0.66	0.092
85.50	-49.11	-5.39	0.00	-201.95	0.00	201.95	3,387.79	1,693.89	5,364.72	2,686.34	6.19	-0.67	0.090
87.00	-48.43	-5.35	0.00	-193.86	0.00	193.86	3,366.84	1,683.42	5,286.68	2,647.27	6.40	-0.68	0.088
88.50	-47.75	-5.30	0.00	-185.85	0.00	185.85	3,345.78	1,672.89	5,209.02	2,608.38	6.61	-0.69	0.086
89.00	-44.49	-4.98	0.00	-183.20	0.00	183.20	3,338.73	1,669.37	5,183.21	2,595.46	6.69	-0.69	0.084
90.00	-44.07	-4.95	0.00	-178.22	0.00	178.22	3,324.59	1,662.30	5,131.72	2,569.67	6.83	-0.70	0.083
91.50	-43.43	-4.91	0.00	-170.79	0.00	170.79	3,300.23	1,650.12	5,050.13	2,528.82	7.05	-0.71	0.081
93.00	-42.81	-4.87	0.00	-163.42	0.00	163.42	3,271.77	1,635.89	4,962.98	2,485.18	7.28	-0.72	0.079
94.50	-42.18	-4.82	0.00	-156.13	0.00	156.13	3,243.31	1,621.65	4,876.58	2,441.91	7.51	-0.73	0.077
94.92	-42.01	-4.81	0.00	-154.12	0.00	154.12	3,235.40	1,617.70	4,852.71	2,429.96	7.57	-0.73	0.076
96.00	-41.40	-4.78	0.00	-148.91	0.00	148.91	3,214.85	1,607.42	4,790.94	2,399.03	7.74	-0.74	0.075
97.50	-40.56	-4.73	0.00	-141.74	0.00	141.74	3,186.39	1,593.19	4,706.06	2,356.53	7.97	-0.74	0.073
98.00	-35.71	-4.13	0.00	-139.38	0.00	139.38	3,176.90	1,588.45	4,677.94	2,342.44	8.05	-0.75	0.071
99.00	-35.16	-4.10	0.00	-135.25	0.00	135.25	3,157.93	1,578.96	4,621.94	2,314.41	8.20	-0.75	0.070
99.83	-34.71	-4.07	0.00	-131.83	0.00	131.83	2,561.71	1,280.85	3,809.78	1,907.72	8.34	-0.76	0.083
100.50	-34.46	-4.05	0.00	-129.12	0.00	129.12	2,554.65	1,277.32	3,784.15	1,894.89	8.44	-0.76	0.082
102.00	-33.92	-4.01	0.00	-123.04	0.00	123.04	2,538.68	1,269.34	3,726.65	1,866.10	8.68	-0.77	0.079
103.50	-33.37	-3.97	0.00	-117.02	0.00	117.02	2,522.58	1,261.29	3,669.40	1,837.43	8.93	-0.78	0.077
105.00	-32.83	-3.92	0.00	-111.07	0.00	111.07	2,506.36	1,253.18	3,612.41	1,808.89	9.17	-0.79	0.075
106.50	-32.29	-3.88	0.00	-105.19	0.00	105.19	2,490.02	1,245.01	3,555.67	1,780.48	9.42	-0.80	0.072
108.00	-31.75	-3.83	0.00	-99.38	0.00	99.38	2,473.56	1,236.78	3,499.19	1,752.20	9.67	-0.81	0.070
109.50	-31.22	-3.79	0.00	-93.63	0.00	93.63	2,456.97	1,228.49	3,442.98	1,724.05	9.93	-0.81	0.067
111.00	-30.69	-3.74	0.00	-87.95	0.00	87.95	2,440.26	1,220.13	3,387.05	1,696.04	10.18	-0.82	0.064
112.50	-30.16	-3.70	0.00	-82.34	0.00	82.34	2,423.43	1,211.72	3,331.39	1,668.17	10.44	-0.83	0.062
113.00	-29.24	-3.56	0.00	-80.49	0.00	80.49	2,417.79	1,208.90	3,312.90	1,658.91	10.53	-0.83	0.061
114.00	-28.90	-3.53	0.00	-76.93	0.00	76.93	2,406.48	1,203.24	3,276.01	1,640.44	10.70	-0.84	0.059
115.50	-28.39	-3.48	0.00	-71.64	0.00	71.64	2,389.40	1,194.70	3,220.91	1,612.85	10.97	-0.84	0.056
117.00	-27.88	-3.44	0.00	-66.42	0.00	66.42	2,372.20	1,186.10	3,166.11	1,585.41	11.23	-0.85	0.054
118.50	-27.37	-3.39	0.00	-61.27	0.00	61.27	2,354.88	1,177.44	3,111.61	1,558.12	11.50	-0.86	0.051
120.00	-26.87	-3.35	0.00	-56.18	0.00	56.18	2,337.43	1,168.72	3,057.40	1,530.97	11.77	-0.86	0.048
121.50	-26.38	-3.30	0.00	-51.16	0.00	51.16	2,319.86	1,159.93	3,003.51	1,503.99	12.04	-0.87	0.045
123.00	-21.59	-2.69	0.00	-46.21	0.00	46.21	2,302.17	1,151.09	2,949.92	1,477.15	12.32	-0.87	0.041
124.50	-21.18	-2.64	0.00	-42.18	0.00	42.18	2,279.08	1,139.54	2,889.96	1,447.13	12.59	-0.88	0.038
126.00	-20.78	-2.60	0.00	-38.21	0.00	38.21	2,255.37	1,127.68	2,829.83	1,417.02	12.87	-0.88	0.036
127.50	-20.38	-2.56	0.00	-34.31	0.00	34.31	2,231.65	1,115.82	2,770.33	1,387.22	13.15	-0.89	0.034
129.00	-19.98	-2.51	0.00	-30.48	0.00	30.48	2,207.93	1,103.97	2,711.46	1,357.74	13.43	-0.89	0.032
130.50	-19.59	-2.47	0.00	-26.71	0.00	26.71	2,184.22	1,092.11	2,653.22	1,328.58	13.71	-0.89	0.029
132.00	-19.20	-2.43	0.00	-23.01	0.00	23.01	2,160.50	1,080.25	2,595.62	1,299.74	13.99	-0.90	0.027
133.50	-18.82	-2.38	0.00	-19.37	0.00	19.37	2,136.78	1,068.39	2,538.65	1,271.21	14.27	-0.90	0.024
135.00	-11.60	-1.45	0.00	-15.80	0.00	15.80	2,113.07	1,056.53	2,482.31	1,243.00	14.55	-0.90	0.018
136.50	-11.24	-1.41	0.00	-13.62	0.00	13.62	2,089.35	1,044.67	2,426.60	1,215.10	14.84	-0.90	0.017
138.00	-10.88	-1.37	0.00	-11.50	0.00	11.50	2,065.63	1,032.82	2,371.53	1,187.53	15.12	-0.91	0.015
139.50	-10.53	-1.33	0.00	-9.44	0.00	9.44	2,041.91	1,020.96	2,317.09	1,160.27	15.41	-0.91	0.013
141.00	-10.18	-1.28	0.00	-7.46	0.00	7.46	2,018.20	1,009.10	2,263.28	1,133.32	15.69	-0.91	0.012
142.50	-9.83	-1.24	0.00	-5.53	0.00	5.53	1,994.48	997.24	2,210.10	1,106.69	15.98	-0.91	0.010
144.00	-9.49	-1.20	0.00	-3.67	0.00	3.67	1,970.76	985.38	2,157.55	1,080.38	16.26	-0.91	0.008
145.50	-9.15	-1.16	0.00	-1.87	0.00	1.87	1,947.05	973.52	2,105.64	1,054.39	16.55	-0.91	0.006
147.00	-0.66	-0.07	0.00	-0.14	0.00	0.14	1,923.33	961.67	2,054.36	1,028.71	16.84	-0.91	0.000

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

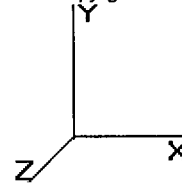
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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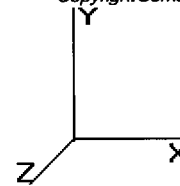
Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	26 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor :1.00	Wind Importance Factor :1.00
Dead Load Factor : 1.20		Ice Importance Factor :1.00
Wind Load Factor : 1.00		

147.90	0.00	0.00	0.00	0.00	0.00	0.00	1,909.10	954.55	2,023.89	1,013.45	17.01	-0.91	0.000
147.92	0.00	0.00	0.00	0.00	0.00	0.00	1,908.83	954.42	2,023.32	1,013.16	17.01	-0.91	0.000

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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	25 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)

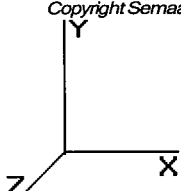
Seg Top Elev (ft)	Description	Kzt	Kz	αz (psf)	αzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.742	240.34	0.650	0.00	0.00	0.000	0.00	0.0	0.0	0.0
1.50		1.00	0.70	6.129	6.742	238.97	0.650	0.00	1.50	7.161	4.65	31.4	0.0	340.5
3.00		1.00	0.70	6.129	6.742	237.60	0.650	0.00	1.50	7.120	4.63	31.2	0.0	338.5
4.50		1.00	0.70	6.129	6.742	236.24	0.650	0.00	1.50	7.079	4.60	31.0	0.0	336.6
6.00		1.00	0.70	6.129	6.742	234.87	0.650	0.00	1.50	7.039	4.58	30.8	0.0	334.6
7.50		1.00	0.70	6.129	6.742	233.50	0.650	0.00	1.50	6.998	4.55	30.7	0.0	332.6
9.00		1.00	0.70	6.129	6.742	232.13	0.650	0.00	1.50	6.957	4.52	30.5	0.0	330.7
10.50		1.00	0.70	6.129	6.742	230.77	0.650	0.00	1.50	6.916	4.50	30.3	0.0	328.7
12.00		1.00	0.70	6.129	6.742	229.40	0.650	0.00	1.50	6.875	4.47	30.1	0.0	326.8
13.50		1.00	0.70	6.129	6.742	228.03	0.650	0.00	1.50	6.834	4.44	29.9	0.0	324.8
15.00		1.00	0.70	6.129	6.742	226.66	0.650	0.00	1.50	6.793	4.42	29.8	0.0	322.9
16.50		1.00	0.70	6.129	6.742	225.30	0.650	0.00	1.50	6.753	4.39	29.6	0.0	320.9
18.00		1.00	0.70	6.129	6.742	223.93	0.650	0.00	1.50	6.712	4.36	29.4	0.0	319.0
19.50		1.00	0.70	6.129	6.742	222.56	0.650	0.00	1.50	6.671	4.34	29.2	0.0	317.0
20.00	Apertunance(s)	1.00	0.70	6.129	6.742	222.11	0.650	0.00	0.50	2.215	1.44	9.7	0.0	105.2
21.00		1.00	0.70	6.129	6.742	221.20	0.650	0.00	1.00	4.416	2.87	19.3	0.0	209.8
22.50		1.00	0.70	6.129	6.742	219.83	0.650	0.00	1.50	6.589	4.28	28.9	0.0	313.1
24.00		1.00	0.70	6.129	6.742	218.46	0.650	0.00	1.50	6.548	4.26	28.7	0.0	311.1
25.50		1.00	0.70	6.129	6.742	217.09	0.650	0.00	1.50	6.508	4.23	28.5	0.0	309.2
27.00		1.00	0.70	6.129	6.742	215.73	0.650	0.00	1.50	6.467	4.20	28.3	0.0	307.2
28.50		1.00	0.70	6.129	6.742	214.36	0.650	0.00	1.50	6.426	4.18	28.2	0.0	305.3
30.00		1.00	0.70	6.134	6.747	213.08	0.650	0.00	1.50	6.385	4.15	28.0	0.0	303.3
31.50		1.00	0.71	6.220	6.842	213.20	0.650	0.00	1.50	6.344	4.12	28.2	0.0	301.4
33.00		1.00	0.72	6.303	6.933	213.23	0.650	0.00	1.50	6.303	4.10	28.4	0.0	299.4
34.50		1.00	0.72	6.384	7.022	213.19	0.650	0.00	1.50	6.262	4.07	28.6	0.0	297.5
36.00		1.00	0.73	6.462	7.108	213.09	0.650	0.00	1.50	6.222	4.04	28.7	0.0	295.5
37.50		1.00	0.74	6.538	7.191	212.93	0.650	0.00	1.50	6.181	4.02	28.9	0.0	293.5
39.00		1.00	0.75	6.611	7.272	212.70	0.650	0.00	1.50	6.140	3.99	29.0	0.0	291.6
40.50		1.00	0.76	6.683	7.351	212.42	0.650	0.00	1.50	6.099	3.96	29.1	0.0	289.6
42.00		1.00	0.77	6.753	7.428	212.10	0.650	0.00	1.50	6.058	3.94	29.3	0.0	287.7
43.50		1.00	0.77	6.821	7.503	211.72	0.650	0.00	1.50	6.017	3.91	29.3	0.0	285.7
45.00		1.00	0.78	6.887	7.576	211.30	0.650	0.00	1.50	5.976	3.88	29.4	0.0	283.8
46.50		1.00	0.79	6.952	7.647	210.83	0.650	0.00	1.50	5.936	3.86	29.5	0.0	281.8
46.83	Bot - Section 2	1.00	0.79	6.966	7.663	210.72	0.650	0.00	0.33	1.313	0.85	6.5	0.0	62.4
48.00		1.00	0.80	7.015	7.717	210.33	0.650	0.00	1.17	4.655	3.03	23.4	0.0	438.5
49.50		1.00	0.80	7.077	7.785	209.79	0.650	0.00	1.50	5.949	3.87	30.1	0.0	560.4
51.00		1.00	0.81	7.138	7.852	209.21	0.650	0.00	1.50	5.908	3.84	30.2	0.0	556.4
52.50		1.00	0.82	7.197	7.917	208.59	0.650	0.00	1.50	5.867	3.81	30.2	0.0	552.5
53.00	Top - Section 1	1.00	0.82	7.217	7.939	208.38	0.650	0.00	0.50	1.947	1.27	10.0	0.0	183.3
54.00		1.00	0.82	7.255	7.981	211.41	0.650	0.00	1.00	3.880	2.52	20.1	0.0	184.2
55.50		1.00	0.83	7.312	8.044	210.75	0.650	0.00	1.50	5.786	3.76	30.2	0.0	274.6
57.00		1.00	0.84	7.368	8.105	210.06	0.650	0.00	1.50	5.745	3.73	30.3	0.0	272.7
58.50		1.00	0.84	7.423	8.166	209.33	0.650	0.00	1.50	5.704	3.71	30.3	0.0	270.7
60.00		1.00	0.85	7.477	8.225	208.58	0.650	0.00	1.50	5.663	3.68	30.3	0.0	268.8
61.50		1.00	0.86	7.530	8.283	207.80	0.650	0.00	1.50	5.622	3.65	30.3	0.0	266.8
63.00		1.00	0.86	7.582	8.340	207.00	0.650	0.00	1.50	5.581	3.63	30.3	0.0	264.9
64.50		1.00	0.87	7.633	8.397	206.17	0.650	0.00	1.50	5.541	3.60	30.2	0.0	262.9
66.00		1.00	0.87	7.684	8.452	205.32	0.650	0.00	1.50	5.500	3.57	30.2	0.0	260.9
67.50		1.00	0.88	7.733	8.506	204.44	0.650	0.00	1.50	5.459	3.55	30.2	0.0	259.0
69.00		1.00	0.88	7.782	8.560	203.54	0.650	0.00	1.50	5.418	3.52	30.1	0.0	257.0
70.50		1.00	0.89	7.830	8.613	202.62	0.650	0.00	1.50	5.377	3.50	30.1	0.0	255.1

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)

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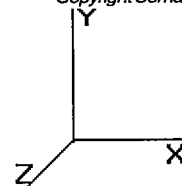
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

72.00		1.00	0.90	7.877	8.665	201.68	0.650	0.00	1.50	5.336	3.47	30.1	0.0	253.1
73.50		1.00	0.90	7.924	8.716	200.72	0.650	0.00	1.50	5.295	3.44	30.0	0.0	251.2
75.00		1.00	0.91	7.969	8.766	199.75	0.650	0.00	1.50	5.255	3.42	29.9	0.0	249.2
76.00	Appertunance(s)	1.00	0.91	8.000	8.800	199.08	0.650	0.00	1.00	3.480	2.26	19.9	0.0	165.1
76.50		1.00	0.91	8.015	8.816	198.75	0.650	0.00	0.50	1.733	1.13	9.9	0.0	82.2
78.00		1.00	0.92	8.059	8.865	197.73	0.650	0.00	1.50	5.173	3.36	29.8	0.0	245.3
79.50		1.00	0.92	8.103	8.914	196.70	0.650	0.00	1.50	5.132	3.34	29.7	0.0	243.3
81.00		1.00	0.93	8.147	8.961	195.65	0.650	0.00	1.50	5.091	3.31	29.7	0.0	241.4
82.50		1.00	0.93	8.189	9.008	194.58	0.650	0.00	1.50	5.050	3.28	29.6	0.0	239.4
84.00		1.00	0.94	8.232	9.055	193.50	0.650	0.00	1.50	5.009	3.26	29.5	0.0	237.5
85.50		1.00	0.94	8.273	9.101	192.40	0.650	0.00	1.50	4.969	3.23	29.4	0.0	235.5
87.00		1.00	0.95	8.315	9.146	191.29	0.650	0.00	1.50	4.928	3.20	29.3	0.0	233.6
88.50		1.00	0.95	8.355	9.191	190.16	0.650	0.00	1.50	4.887	3.18	29.2	0.0	231.6
89.00	Appertunance(s)	1.00	0.95	8.369	9.206	189.78	0.650	0.00	0.50	1.620	1.05	9.7	0.0	76.8
90.00		1.00	0.95	8.396	9.235	189.02	0.650	0.00	1.00	3.226	2.10	19.4	0.0	152.9
91.50		1.00	0.96	8.435	9.279	187.86	0.650	0.00	1.50	4.805	3.12	29.0	0.0	227.7
93.00		1.00	0.96	8.475	9.322	186.69	0.650	0.00	1.50	4.764	3.10	28.9	0.0	225.8
94.50		1.00	0.97	8.513	9.365	185.50	0.650	0.00	1.50	4.724	3.07	28.8	0.0	223.8
94.92	Bot - Section 3	1.00	0.97	8.524	9.377	185.17	0.650	0.00	0.42	1.305	0.85	8.0	0.0	61.8
96.00		1.00	0.97	8.552	9.407	184.31	0.650	0.00	1.08	3.435	2.23	21.0	0.0	295.9
97.50		1.00	0.98	8.590	9.449	183.10	0.650	0.00	1.50	4.721	3.07	29.0	0.0	406.6
98.00	Appertunance(s)	1.00	0.98	8.602	9.463	182.69	0.650	0.00	0.50	1.565	1.02	9.6	0.0	134.7
99.00		1.00	0.98	8.627	9.490	181.87	0.650	0.00	1.00	3.116	2.03	19.2	0.0	268.3
99.83	Top - Section 2	1.00	0.98	8.648	9.513	181.19	0.650	0.00	0.83	2.583	1.68	16.0	0.0	222.4
100.5		1.00	0.99	8.665	9.531	183.80	0.650	0.00	0.67	2.057	1.34	12.7	0.0	81.3
102.0		1.00	0.99	8.701	9.571	182.56	0.650	0.00	1.50	4.599	2.99	28.6	0.0	181.8
103.5		1.00	0.99	8.738	9.611	181.31	0.650	0.00	1.50	4.558	2.96	28.5	0.0	180.2
105.0		1.00	1.00	8.774	9.651	180.04	0.650	0.00	1.50	4.517	2.94	28.3	0.0	178.6
106.5		1.00	1.00	8.809	9.690	178.77	0.650	0.00	1.50	4.476	2.91	28.2	0.0	176.9
108.0		1.00	1.01	8.845	9.729	177.48	0.650	0.00	1.50	4.435	2.88	28.0	0.0	175.3
109.5		1.00	1.01	8.879	9.767	176.19	0.650	0.00	1.50	4.394	2.86	27.9	0.0	173.7
111.0		1.00	1.01	8.914	9.805	174.88	0.650	0.00	1.50	4.353	2.83	27.7	0.0	172.1
112.5		1.00	1.02	8.948	9.843	173.57	0.650	0.00	1.50	4.313	2.80	27.6	0.0	170.4
113.0	Appertunance(s)	1.00	1.02	8.960	9.856	173.12	0.650	0.00	0.50	1.428	0.93	9.2	0.0	56.4
114.0		1.00	1.02	8.982	9.880	172.24	0.650	0.00	1.00	2.843	1.85	18.3	0.0	112.3
115.5		1.00	1.03	9.016	9.917	170.90	0.650	0.00	1.50	4.231	2.75	27.3	0.0	167.2
117.0		1.00	1.03	9.049	9.954	169.56	0.650	0.00	1.50	4.190	2.72	27.1	0.0	165.5
118.5		1.00	1.03	9.082	9.990	168.20	0.650	0.00	1.50	4.149	2.70	26.9	0.0	163.9
120.0		1.00	1.04	9.115	10.02	166.84	0.650	0.00	1.50	4.108	2.67	26.8	0.0	162.3
121.5		1.00	1.04	9.147	10.06	165.46	0.650	0.00	1.50	4.068	2.64	26.6	0.0	160.6
123.0	Appertunance(s)	1.00	1.04	9.179	10.09	164.08	0.650	0.00	1.50	4.027	2.62	26.4	0.0	159.0
124.5		1.00	1.05	9.211	10.13	162.69	0.650	0.00	1.50	3.986	2.59	26.3	0.0	157.4
126.0		1.00	1.05	9.243	10.16	161.29	0.650	0.00	1.50	3.945	2.56	26.1	0.0	155.8
127.5		1.00	1.05	9.274	10.20	159.88	0.650	0.00	1.50	3.904	2.54	25.9	0.0	154.1
129.0		1.00	1.06	9.305	10.23	158.46	0.650	0.00	1.50	3.863	2.51	25.7	0.0	152.5
130.5		1.00	1.06	9.336	10.26	157.04	0.650	0.00	1.50	3.822	2.48	25.5	0.0	150.9
132.0		1.00	1.07	9.366	10.30	155.60	0.650	0.00	1.50	3.782	2.46	25.3	0.0	149.2
133.5		1.00	1.07	9.397	10.33	154.16	0.650	0.00	1.50	3.741	2.43	25.1	0.0	147.6
135.0	Appertunance(s)	1.00	1.07	9.427	10.36	152.71	0.650	0.00	1.50	3.700	2.40	24.9	0.0	146.0
136.5		1.00	1.08	9.457	10.40	151.26	0.650	0.00	1.50	3.659	2.38	24.7	0.0	144.4
138.0		1.00	1.08	9.486	10.43	149.79	0.650	0.00	1.50	3.618	2.35	24.5	0.0	142.7
139.5		1.00	1.08	9.515	10.46	148.32	0.650	0.00	1.50	3.577	2.33	24.3	0.0	141.1
141.0		1.00	1.09	9.545	10.49	146.84	0.650	0.00	1.50	3.536	2.30	24.1	0.0	139.5
142.5		1.00	1.09	9.574	10.53	145.35	0.650	0.00	1.50	3.495	2.27	23.9	0.0	137.8
144.0		1.00	1.09	9.602	10.56	143.86	0.650	0.00	1.50	3.455	2.25	23.7	0.0	136.2
145.5		1.00	1.10	9.631	10.59	142.36	0.650	0.00	1.50	3.414	2.22	23.5	0.0	134.6
147.0	Appertunance(s)	1.00	1.10	9.659	10.62	140.85	0.650	0.00	1.50	3.373	2.19	23.3	0.0	133.0

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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 25 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

147.9	Appertunance(s)	1.00	1.10	9.676	10.64	139.94	0.650	0.00	0.90	2.004	1.30	13.9	0.0	79.0
147.9		1.00	1.10	9.676	10.64	139.93	0.650	0.00	0.02	0.038	0.02	0.3	0.0	1.5
Totals:									147.92			2,806.9	0.0	25,342.4

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

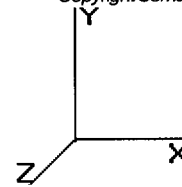
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

25 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

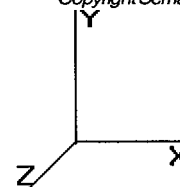
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
20.00	Lucent KS-24019	1	6.129	6.742	1.00	1.00	1.00	0.000	0.000	6.74	0.00	0.00	7.00
76.00	Side Markers	2	8.000	8.800	1.00	1.00	1.60	0.000	0.000	14.08	0.00	0.00	40.00
89.00	DragonWave A-ANT-	1	8.369	9.206	0.90	1.00	7.80	0.000	0.000	71.83	0.00	0.00	66.10
89.00	Side Arms	1	8.369	9.206	0.67	1.00	5.70	0.000	0.000	52.43	0.00	0.00	560.00
89.00	NextNet BTS-2500	3	8.369	9.206	0.40	0.80	2.54	0.000	0.000	23.42	0.00	0.00	105.00
89.00	Arqus LLPX310R	3	8.369	9.206	0.58	0.80	8.35	0.000	0.000	76.83	0.00	0.00	85.80
89.00	DragonWave Horizon	2	8.369	9.206	0.40	0.80	0.34	0.000	0.000	3.17	0.00	0.00	21.20
89.00	DragonWave A-ANT-	1	8.369	9.206	0.72	0.80	3.38	0.000	0.000	31.09	0.00	0.00	27.10
98.00	Decibel DB844H90E-A	9	8.602	9.463	0.69	0.80	24.58	0.000	0.000	232.61	0.00	0.00	90.00
98.00	Round Low Profile PI	1	8.602	9.463	1.00	1.00	21.70	0.000	0.000	205.34	0.00	0.00	1,500.00
113.0	RFS APXV18-206517	3	8.960	9.856	0.80	1.00	12.12	0.000	0.000	119.45	0.00	0.00	66.00
123.0	RFS APXV18-206516L-	6	9.179	10.097	0.62	0.80	13.37	0.000	0.000	134.96	0.00	0.00	112.20
123.0	RFS APX16DWV-	3	9.179	10.097	0.52	0.80	10.45	0.000	0.000	105.54	0.00	0.00	118.80
123.0	Round T-Arms	3	9.179	10.097	0.50	0.75	14.62	0.000	0.000	147.65	0.00	0.00	750.00
123.0	RFS ATMAA1412D-	3	9.179	10.097	0.40	0.80	1.40	0.000	0.000	14.18	0.00	0.00	39.00
123.0	RFS ATMPP1412D-	3	9.179	10.097	0.40	0.80	1.40	0.000	0.000	14.18	0.00	0.00	36.00
135.0	Powerwave LGP21903	6	9.427	10.369	0.38	0.75	0.61	0.000	0.000	6.30	0.00	0.00	33.00
135.0	Powerwave LGP21401	6	9.427	10.369	0.38	0.75	2.90	0.000	0.000	30.10	0.00	0.00	84.60
135.0	Flat Platform w/ Han	1	9.427	10.369	1.00	1.00	42.40	0.000	0.000	439.66	0.00	0.00	2,000.00
135.0	Powerwave 7750.00	6	9.427	10.369	0.56	0.75	19.84	0.000	0.000	205.78	0.00	0.00	210.00
147.0	Flat Platform w/ Han	1	9.659	10.625	1.00	1.00	42.40	0.000	0.000	450.49	0.00	0.00	2,000.00
147.0	48" x 12" Panels	9	9.659	10.625	0.50	0.75	25.33	0.000	0.000	269.08	0.00	0.00	270.00
147.0	72" x 12" Panels	3	9.659	10.625	0.50	0.75	12.66	0.000	0.000	134.54	0.00	0.00	120.00
147.9	Flash Technology FTB	1	9.708	10.678	1.00	1.00	3.70	0.000	1.710	39.51	0.00	67.56	28.00
										2,828.95			8,369.80

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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 Page: 54



Load Case: 1.0D + 1.0W	60.00 mph Serviceability	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

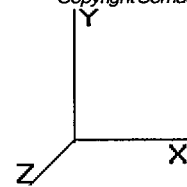
Linear Appurtenance Segment Forces (Factored)

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)
6.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	6.129	0.023	0.000	0.00	4.92
6.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.023	0.000	0.00	0.30
6.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.023	0.000	0.00	0.27
6.00	(1) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.023	0.000	0.00	0.15
7.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.035	0.000	0.00	7.38
7.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.035	0.000	0.00	0.45
7.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.035	0.000	0.00	0.41
7.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.035	0.000	0.00	0.23
9.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.036	0.000	0.00	7.38
9.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.45
9.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.41
9.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.23
10.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.036	0.000	0.00	7.38
10.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.45
10.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.41
10.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.23
12.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.036	0.000	0.00	7.38
12.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.45
12.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.41
12.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.23
13.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.036	0.000	0.00	7.38
13.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.45
13.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.41
13.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.23
15.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.036	0.000	0.00	7.38
15.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.45
15.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.41
15.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.036	0.000	0.00	0.23
16.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.037	0.000	0.00	7.38
16.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.45
16.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.41
16.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.23
18.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.037	0.000	0.00	7.38
18.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.45
18.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.41
18.00	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.23
19.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.037	0.000	0.00	7.38
19.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.45
19.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.41
19.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.23
20.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	6.129	0.037	0.000	0.00	2.46
20.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.15
20.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.14
20.00	(1) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.08
21.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	6.129	0.037	0.000	0.00	4.92
21.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.30
21.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	6.129	0.037	0.000	0.00	0.27
22.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.038	0.000	0.00	7.38
22.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.038	0.000	0.00	0.45
22.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.038	0.000	0.00	0.41
24.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.038	0.000	0.00	7.38

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)

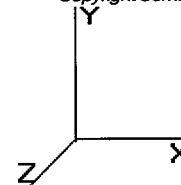


Load Case: 1.0D + 1.0W	60.00 mph Serviceability	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

24.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.038	0.000	0.00	0.45
24.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.038	0.000	0.00	0.41
25.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.038	0.000	0.00	7.38
25.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.038	0.000	0.00	0.45
25.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.038	0.000	0.00	0.41
27.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.038	0.000	0.00	7.38
27.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.038	0.000	0.00	0.45
27.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.038	0.000	0.00	0.41
28.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.129	0.039	0.000	0.00	7.38
28.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.039	0.000	0.00	0.45
28.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.129	0.039	0.000	0.00	0.41
30.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.134	0.039	0.000	0.00	7.38
30.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.134	0.039	0.000	0.00	0.45
30.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.134	0.039	0.000	0.00	0.41
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.220	0.039	0.000	0.00	7.38
31.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.220	0.039	0.000	0.00	0.45
31.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.220	0.039	0.000	0.00	0.41
33.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.303	0.039	0.000	0.00	7.38
33.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.303	0.039	0.000	0.00	0.45
33.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.303	0.039	0.000	0.00	0.41
34.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.384	0.040	0.000	0.00	7.38
34.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.384	0.040	0.000	0.00	0.45
34.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.384	0.040	0.000	0.00	0.41
36.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.462	0.040	0.000	0.00	7.38
36.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.462	0.040	0.000	0.00	0.45
36.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.462	0.040	0.000	0.00	0.41
37.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.538	0.040	0.000	0.00	7.38
37.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.538	0.040	0.000	0.00	0.45
37.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.538	0.040	0.000	0.00	0.41
39.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.611	0.040	0.000	0.00	7.38
39.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.611	0.040	0.000	0.00	0.45
39.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.611	0.040	0.000	0.00	0.41
40.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.683	0.041	0.000	0.00	7.38
40.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.683	0.041	0.000	0.00	0.45
40.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.683	0.041	0.000	0.00	0.41
42.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.753	0.041	0.000	0.00	7.38
42.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.753	0.041	0.000	0.00	0.45
42.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.753	0.041	0.000	0.00	0.41
43.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.821	0.041	0.000	0.00	7.38
43.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.821	0.041	0.000	0.00	0.45
43.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.821	0.041	0.000	0.00	0.41
45.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.887	0.041	0.000	0.00	7.38
45.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.887	0.041	0.000	0.00	0.45
45.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.887	0.041	0.000	0.00	0.41
46.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	6.952	0.042	0.000	0.00	7.38
46.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.952	0.042	0.000	0.00	0.45
46.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.952	0.042	0.000	0.00	0.41
46.83	(6) 1 5/8" Coax	Yes	0.33	0.000	1.98	0.06	0.00	6.966	0.042	0.000	0.00	1.64
46.83	(2) 1/2" Coax	Yes	0.33	0.000	0.00	0.00	0.00	6.966	0.042	0.000	0.00	0.10
46.83	(6) 5/16" Coax	Yes	0.33	0.000	0.00	0.00	0.00	6.966	0.042	0.000	0.00	0.09
48.00	(6) 1 5/8" Coax	Yes	1.17	0.000	1.98	0.19	0.00	7.015	0.042	0.000	0.00	5.74
48.00	(2) 1/2" Coax	Yes	1.17	0.000	0.00	0.00	0.00	7.015	0.042	0.000	0.00	0.35
48.00	(6) 5/16" Coax	Yes	1.17	0.000	0.00	0.00	0.00	7.015	0.042	0.000	0.00	0.31
49.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.077	0.042	0.000	0.00	7.38
49.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.077	0.042	0.000	0.00	0.45
49.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.077	0.042	0.000	0.00	0.41
51.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.138	0.043	0.000	0.00	7.38

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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



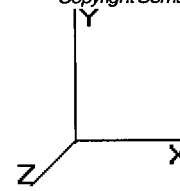
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	25 Iterations
Gust Response Factor: 1.10		Wind Importance Factor: 1.00
Dead Load Factor: 1.00		
Wind Load Factor: 1.00		

51.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.138	0.043	0.000	0.00	0.45
51.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.138	0.043	0.000	0.00	0.41
52.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.197	0.043	0.000	0.00	7.38
52.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.197	0.043	0.000	0.00	0.45
52.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.197	0.043	0.000	0.00	0.41
53.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	7.217	0.043	0.000	0.00	2.46
53.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	7.217	0.043	0.000	0.00	0.15
53.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	7.217	0.043	0.000	0.00	0.14
54.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	7.255	0.043	0.000	0.00	4.92
54.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.255	0.043	0.000	0.00	0.30
54.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.255	0.043	0.000	0.00	0.27
55.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.312	0.043	0.000	0.00	7.38
55.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.312	0.043	0.000	0.00	0.45
55.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.312	0.043	0.000	0.00	0.41
57.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.368	0.043	0.000	0.00	7.38
57.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.368	0.043	0.000	0.00	0.45
57.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.368	0.043	0.000	0.00	0.41
58.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.423	0.043	0.000	0.00	7.38
58.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.423	0.043	0.000	0.00	0.45
58.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.423	0.043	0.000	0.00	0.41
60.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.477	0.044	0.000	0.00	7.38
60.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.477	0.044	0.000	0.00	0.45
60.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.477	0.044	0.000	0.00	0.41
61.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.530	0.044	0.000	0.00	7.38
61.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.530	0.044	0.000	0.00	0.45
61.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.530	0.044	0.000	0.00	0.41
63.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.582	0.044	0.000	0.00	7.38
63.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.582	0.044	0.000	0.00	0.45
63.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.582	0.044	0.000	0.00	0.41
64.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.633	0.045	0.000	0.00	7.38
64.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.633	0.045	0.000	0.00	0.45
64.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.633	0.045	0.000	0.00	0.41
66.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.684	0.045	0.000	0.00	7.38
66.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.684	0.045	0.000	0.00	0.45
66.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.684	0.045	0.000	0.00	0.41
67.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.733	0.045	0.000	0.00	7.38
67.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.733	0.045	0.000	0.00	0.45
67.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.733	0.045	0.000	0.00	0.41
69.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.782	0.046	0.000	0.00	7.38
69.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.782	0.046	0.000	0.00	0.45
69.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.782	0.046	0.000	0.00	0.41
70.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.830	0.046	0.000	0.00	7.38
70.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.830	0.046	0.000	0.00	0.45
70.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.830	0.046	0.000	0.00	0.41
72.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.877	0.046	0.000	0.00	7.38
72.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.877	0.046	0.000	0.00	0.45
72.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.877	0.046	0.000	0.00	0.41
73.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.924	0.047	0.000	0.00	7.38
73.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.924	0.047	0.000	0.00	0.45
73.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.924	0.047	0.000	0.00	0.41
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	7.969	0.047	0.000	0.00	7.38
75.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.969	0.047	0.000	0.00	0.45
75.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.969	0.047	0.000	0.00	0.41
76.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.000	0.047	0.000	0.00	4.92
76.00	(2) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.000	0.047	0.000	0.00	0.30
76.00	(6) 5/16" Coax	Yes	1.00	0.000	0.00	0.00	0.00	8.000	0.047	0.000	0.00	0.27
76.50	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	8.015	0.048	0.000	0.00	2.46

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

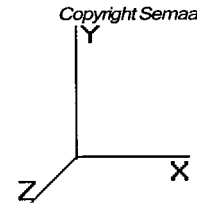
76.50	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	8.015	0.048	0.000	0.00	0.15
76.50	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	8.015	0.048	0.000	0.00	0.14
78.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.059	0.048	0.000	0.00	7.38
78.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.059	0.048	0.000	0.00	0.45
78.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.059	0.048	0.000	0.00	0.41
79.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.103	0.048	0.000	0.00	7.38
79.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.103	0.048	0.000	0.00	0.45
79.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.103	0.048	0.000	0.00	0.41
81.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.147	0.049	0.000	0.00	7.38
81.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.147	0.049	0.000	0.00	0.45
81.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.147	0.049	0.000	0.00	0.41
82.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.189	0.049	0.000	0.00	7.38
82.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.189	0.049	0.000	0.00	0.45
82.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.189	0.049	0.000	0.00	0.41
84.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.232	0.049	0.000	0.00	7.38
84.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.232	0.049	0.000	0.00	0.45
84.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.232	0.049	0.000	0.00	0.41
85.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.273	0.050	0.000	0.00	7.38
85.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.273	0.050	0.000	0.00	0.45
85.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.273	0.050	0.000	0.00	0.41
87.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.315	0.050	0.000	0.00	7.38
87.00	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.315	0.050	0.000	0.00	0.45
87.00	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.315	0.050	0.000	0.00	0.41
88.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.355	0.051	0.000	0.00	7.38
88.50	(2) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.355	0.051	0.000	0.00	0.45
88.50	(6) 5/16" Coax	Yes	1.50	0.000	0.00	0.00	0.00	8.355	0.051	0.000	0.00	0.41
89.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	8.369	0.051	0.000	0.00	2.46
89.00	(2) 1/2" Coax	Yes	0.50	0.000	0.00	0.00	0.00	8.369	0.051	0.000	0.00	0.15
89.00	(6) 5/16" Coax	Yes	0.50	0.000	0.00	0.00	0.00	8.369	0.051	0.000	0.00	0.14
90.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.396	0.051	0.000	0.00	4.92
91.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.435	0.052	0.000	0.00	7.38
93.00	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.475	0.052	0.000	0.00	7.38
94.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.513	0.052	0.000	0.00	7.38
94.92	(6) 1 5/8" Coax	Yes	0.42	0.000	1.98	0.07	0.00	8.524	0.053	0.000	0.00	2.05
96.00	(6) 1 5/8" Coax	Yes	1.08	0.000	1.98	0.18	0.00	8.552	0.053	0.000	0.00	5.33
97.50	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.590	0.053	0.000	0.00	7.38
98.00	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	8.602	0.054	0.000	0.00	2.46
99.00	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.627	0.054	0.000	0.00	4.92
99.83	(6) 1 5/8" Coax	Yes	0.83	0.000	1.98	0.14	0.00	8.648	0.054	0.000	0.00	4.10
100.5	(6) 1 5/8" Coax	Yes	0.67	0.000	1.98	0.11	0.00	8.665	0.053	0.000	0.00	3.28
102.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.701	0.054	0.000	0.00	7.38
103.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.738	0.054	0.000	0.00	7.38
105.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.774	0.055	0.000	0.00	7.38
106.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.809	0.055	0.000	0.00	7.38
108.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.845	0.056	0.000	0.00	7.38
109.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.879	0.056	0.000	0.00	7.38
111.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.914	0.057	0.000	0.00	7.38
112.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	8.948	0.057	0.000	0.00	7.38
113.0	(6) 1 5/8" Coax	Yes	0.50	0.000	1.98	0.08	0.00	8.960	0.058	0.000	0.00	2.46
114.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.98	0.17	0.00	8.982	0.058	0.000	0.00	4.92
115.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.016	0.058	0.000	0.00	7.38
117.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.049	0.059	0.000	0.00	7.38
118.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.082	0.060	0.000	0.00	7.38
120.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.115	0.060	0.000	0.00	7.38
121.5	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.147	0.061	0.000	0.00	7.38
123.0	(6) 1 5/8" Coax	Yes	1.50	0.000	1.98	0.25	0.00	9.179	0.061	0.000	0.00	7.38

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

25 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

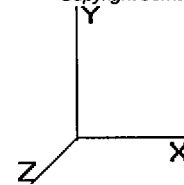
Wind Load Factor : 1.00

Totals: 0.00 630.62

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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

25 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

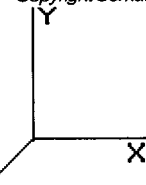
Applied Segment Forces Summary

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
1.50	31.38	340.47	0.00	0.00
3.00	31.20	338.51	0.00	0.00
4.50	31.02	336.56	0.00	0.00
6.00	30.84	386.01	0.00	0.00
7.50	30.66	409.77	0.00	0.00
9.00	30.48	407.81	0.00	0.00
10.50	30.31	405.86	0.00	0.00
12.00	30.13	403.90	0.00	0.00
13.50	29.95	401.94	0.00	0.00
15.00	29.77	399.99	0.00	0.00
16.50	29.59	398.03	0.00	0.00
18.00	29.41	396.08	0.00	0.00
19.50	29.23	394.12	0.00	0.00
20.00	16.45	137.94	0.00	0.00
21.00	19.35	261.08	0.00	0.00
22.50	28.87	389.99	0.00	0.00
24.00	28.69	388.03	0.00	0.00
25.50	28.52	386.08	0.00	0.00
27.00	28.34	384.12	0.00	0.00
28.50	28.16	382.17	0.00	0.00
30.00	28.00	380.21	0.00	0.00
31.50	28.21	378.26	0.00	0.00
33.00	28.41	376.30	0.00	0.00
34.50	28.58	374.35	0.00	0.00
36.00	28.74	372.39	0.00	0.00
37.50	28.89	370.44	0.00	0.00
39.00	29.02	368.48	0.00	0.00
40.50	29.14	366.53	0.00	0.00
42.00	29.25	364.57	0.00	0.00
43.50	29.35	362.61	0.00	0.00
45.00	29.43	360.66	0.00	0.00
46.50	29.50	358.70	0.00	0.00
46.83	6.54	79.45	0.00	0.00
48.00	23.35	498.34	0.00	0.00
49.50	30.10	637.25	0.00	0.00
51.00	30.15	633.34	0.00	0.00
52.50	30.19	629.43	0.00	0.00
53.00	10.05	208.94	0.00	0.00
54.00	20.13	235.44	0.00	0.00
55.50	30.25	351.53	0.00	0.00
57.00	30.27	349.57	0.00	0.00
58.50	30.27	347.62	0.00	0.00
60.00	30.28	345.66	0.00	0.00
61.50	30.27	343.71	0.00	0.00
63.00	30.26	341.75	0.00	0.00
64.50	30.24	339.80	0.00	0.00
66.00	30.21	337.84	0.00	0.00
67.50	30.18	335.89	0.00	0.00
69.00	30.15	333.93	0.00	0.00

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

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 Page: 60



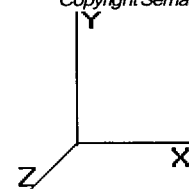
Load Case: 1.0D + 1.0W **60.00 mph Serviceability** **25 Iterations**
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.00
Wind Load Factor: 1.00

70.50	30.10	331.98	0.00	0.00
72.00	30.05	330.02	0.00	0.00
73.50	30.00	328.07	0.00	0.00
75.00	29.94	326.11	0.00	0.00
76.00	33.99	256.32	0.00	0.00
76.50	9.93	107.83	0.00	0.00
78.00	29.81	322.20	0.00	0.00
79.50	29.73	320.24	0.00	0.00
81.00	29.66	318.29	0.00	0.00
82.50	29.57	316.33	0.00	0.00
84.00	29.48	314.38	0.00	0.00
85.50	29.39	312.42	0.00	0.00
87.00	29.30	310.47	0.00	0.00
88.50	29.19	308.51	0.00	0.00
89.00	268.46	967.60	0.00	0.00
90.00	19.37	203.58	0.00	0.00
91.50	28.98	303.75	0.00	0.00
93.00	28.87	301.79	0.00	0.00
94.50	28.75	299.84	0.00	0.00
94.92	7.95	82.94	0.00	0.00
96.00	21.00	350.81	0.00	0.00
97.50	29.00	482.65	0.00	0.00
98.00	447.57	1,750.09	0.00	0.00
99.00	19.22	307.64	0.00	0.00
99.83	15.97	255.15	0.00	0.00
100.5	12.74	107.57	0.00	0.00
102.0	28.61	240.86	0.00	0.00
103.5	28.47	239.23	0.00	0.00
105.0	28.33	237.61	0.00	0.00
106.5	28.19	235.98	0.00	0.00
108.0	28.05	234.35	0.00	0.00
109.5	27.90	232.72	0.00	0.00
111.0	27.75	231.09	0.00	0.00
112.5	27.59	229.46	0.00	0.00
113.0	128.60	142.12	0.00	0.00
114.0	18.26	146.79	0.00	0.00
115.5	27.27	218.82	0.00	0.00
117.0	27.11	217.19	0.00	0.00
118.5	26.94	215.56	0.00	0.00
120.0	26.77	213.93	0.00	0.00
121.5	26.60	212.30	0.00	0.00
123.0	442.93	1,266.67	0.00	0.00
124.5	26.25	186.91	0.00	0.00
126.0	26.07	185.28	0.00	0.00
127.5	25.89	183.65	0.00	0.00
129.0	25.70	182.02	0.00	0.00
130.5	25.52	180.39	0.00	0.00
132.0	25.32	178.76	0.00	0.00
133.5	25.13	177.13	0.00	0.00
135.0	706.78	2,503.10	0.00	0.00
136.5	24.74	159.11	0.00	0.00
138.0	24.54	157.48	0.00	0.00
139.5	24.34	155.86	0.00	0.00
141.0	24.13	154.23	0.00	0.00
142.5	23.93	152.60	0.00	0.00
144.0	23.72	150.97	0.00	0.00
145.5	23.51	149.34	0.00	0.00

Pole : 302468
Location : Petro Lock, CT
Height : 147.9 (ft)
Shape : 18 Sides
Base Dia : 56.58 (in)
Top Dia : 26.21 (in)
Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)

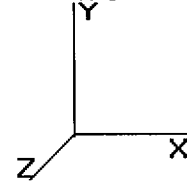


Load Case: 1.0D + 1.0W	60.00 mph Serviceability	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

147.0	877.41	2,537.71	0.00	0.00
147.9	53.38	106.99	0.00	67.56
147.9	0.26	1.49	0.00	0.00
Totals:	5,635.83	39,765.72	0.00	67.56

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (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

25 Iterations

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

Wind Importance Factor : 1.00

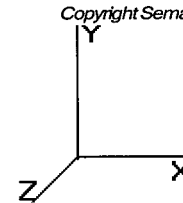
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-39.77	-5.64	0.00	-574.15	0.00	574.15	4,345.86	2,172.93	10,048.4	5,031.69	0.00	0.00	0.123
1.50	-39.42	-5.61	0.00	-565.70	0.00	565.70	4,331.63	2,165.82	9,957.80	4,986.30	0.00	-0.01	0.123
3.00	-39.08	-5.59	0.00	-557.28	0.00	557.28	4,317.28	2,158.64	9,867.26	4,940.97	0.01	-0.02	0.122
4.50	-38.75	-5.56	0.00	-548.90	0.00	548.90	4,302.80	2,151.40	9,776.83	4,895.68	0.01	-0.03	0.121
6.00	-38.36	-5.54	0.00	-540.56	0.00	540.56	4,288.20	2,144.10	9,686.50	4,850.45	0.02	-0.04	0.120
7.50	-37.95	-5.51	0.00	-532.25	0.00	532.25	4,273.48	2,136.74	9,596.29	4,805.28	0.04	-0.05	0.120
9.00	-37.54	-5.49	0.00	-523.99	0.00	523.99	4,258.63	2,129.32	9,506.19	4,760.16	0.05	-0.05	0.119
10.50	-37.13	-5.46	0.00	-515.76	0.00	515.76	4,243.67	2,121.83	9,416.22	4,715.11	0.07	-0.06	0.118
12.00	-36.73	-5.44	0.00	-507.56	0.00	507.56	4,228.57	2,114.29	9,326.38	4,670.12	0.09	-0.07	0.117
13.50	-36.33	-5.41	0.00	-499.41	0.00	499.41	4,213.36	2,106.68	9,236.67	4,625.20	0.12	-0.08	0.117
15.00	-35.93	-5.39	0.00	-491.29	0.00	491.29	4,198.03	2,099.01	9,147.09	4,580.35	0.15	-0.09	0.116
16.50	-35.53	-5.36	0.00	-483.21	0.00	483.21	4,182.57	2,091.28	9,057.66	4,535.56	0.18	-0.10	0.115
18.00	-35.13	-5.34	0.00	-475.16	0.00	475.16	4,166.99	2,083.49	8,968.38	4,490.86	0.21	-0.11	0.114
19.50	-34.74	-5.31	0.00	-467.16	0.00	467.16	4,151.28	2,075.64	8,879.26	4,446.23	0.25	-0.12	0.113
20.00	-34.60	-5.30	0.00	-464.50	0.00	464.50	4,146.02	2,073.01	8,849.58	4,431.37	0.26	-0.12	0.113
21.00	-34.34	-5.28	0.00	-459.20	0.00	459.20	4,135.46	2,067.73	8,790.29	4,401.68	0.28	-0.13	0.113
22.50	-33.94	-5.26	0.00	-451.27	0.00	451.27	4,119.50	2,059.75	8,701.48	4,357.21	0.33	-0.14	0.112
24.00	-33.56	-5.24	0.00	-443.39	0.00	443.39	4,103.43	2,051.72	8,612.84	4,312.82	0.37	-0.15	0.111
25.50	-33.17	-5.21	0.00	-435.53	0.00	435.53	4,087.24	2,043.62	8,524.37	4,268.52	0.42	-0.16	0.110
27.00	-32.78	-5.19	0.00	-427.72	0.00	427.72	4,070.92	2,035.46	8,436.08	4,224.31	0.47	-0.17	0.109
28.50	-32.40	-5.16	0.00	-419.94	0.00	419.94	4,054.48	2,027.24	8,347.97	4,180.19	0.52	-0.18	0.108
30.00	-32.02	-5.14	0.00	-412.19	0.00	412.19	4,037.92	2,018.96	8,260.05	4,136.16	0.58	-0.19	0.108
31.50	-31.64	-5.11	0.00	-404.48	0.00	404.48	4,021.23	2,010.62	8,172.32	4,092.24	0.64	-0.19	0.107
33.00	-31.26	-5.09	0.00	-396.81	0.00	396.81	4,004.42	2,002.21	8,084.79	4,048.40	0.70	-0.20	0.106
34.50	-30.89	-5.07	0.00	-389.18	0.00	389.18	3,987.49	1,993.75	7,997.46	4,004.67	0.77	-0.21	0.105
36.00	-30.52	-5.04	0.00	-381.58	0.00	381.58	3,970.44	1,985.22	7,910.34	3,961.05	0.84	-0.22	0.104
37.50	-30.14	-5.01	0.00	-374.02	0.00	374.02	3,953.26	1,976.63	7,823.43	3,917.53	0.91	-0.23	0.103
39.00	-29.78	-4.99	0.00	-366.50	0.00	366.50	3,935.96	1,967.98	7,736.37	3,874.12	0.99	-0.24	0.102
40.50	-29.41	-4.96	0.00	-359.01	0.00	359.01	3,918.54	1,959.27	7,650.26	3,830.82	1.06	-0.25	0.101
42.00	-29.04	-4.94	0.00	-351.57	0.00	351.57	3,900.99	1,950.50	7,564.01	3,787.63	1.14	-0.26	0.100
43.50	-28.68	-4.91	0.00	-344.16	0.00	344.16	3,883.32	1,941.66	7,478.00	3,744.56	1.23	-0.27	0.099
45.00	-28.32	-4.88	0.00	-336.80	0.00	336.80	3,865.53	1,932.77	7,392.22	3,701.60	1.31	-0.28	0.098
46.50	-27.96	-4.86	0.00	-329.47	0.00	329.47	3,847.62	1,923.81	7,306.68	3,658.77	1.40	-0.29	0.097
46.83	-27.88	-4.85	0.00	-327.85	0.00	327.85	3,843.62	1,921.81	7,287.71	3,649.27	1.42	-0.29	0.097
48.00	-27.38	-4.83	0.00	-322.19	0.00	322.19	3,829.58	1,914.79	7,221.39	3,616.06	1.50	-0.30	0.096
49.50	-26.74	-4.80	0.00	-314.95	0.00	314.95	3,811.43	1,905.71	7,136.35	3,573.48	1.59	-0.31	0.095
51.00	-26.11	-4.77	0.00	-307.75	0.00	307.75	3,793.14	1,896.57	7,051.57	3,531.02	1.69	-0.32	0.094
52.50	-25.48	-4.74	0.00	-300.59	0.00	300.59	3,774.74	1,887.37	6,967.04	3,488.70	1.79	-0.33	0.093
53.00	-25.27	-4.73	0.00	-298.22	0.00	298.22	3,811.37	1,905.68	7,136.09	3,573.35	1.82	-0.33	0.090
54.00	-25.03	-4.71	0.00	-293.49	0.00	293.49	3,799.20	1,899.60	7,079.54	3,545.03	1.89	-0.34	0.089
55.50	-24.68	-4.68	0.00	-286.42	0.00	286.42	3,780.83	1,890.42	6,994.93	3,502.66	2.00	-0.34	0.088
57.00	-24.33	-4.66	0.00	-279.40	0.00	279.40	3,762.35	1,881.17	6,910.58	3,460.43	2.11	-0.35	0.087
58.50	-23.98	-4.63	0.00	-272.41	0.00	272.41	3,743.74	1,871.87	6,826.51	3,418.33	2.22	-0.36	0.086
60.00	-23.64	-4.60	0.00	-265.47	0.00	265.47	3,725.00	1,862.50	6,742.70	3,376.36	2.34	-0.37	0.085
61.50	-23.29	-4.57	0.00	-258.58	0.00	258.58	3,706.15	1,853.08	6,659.18	3,334.54	2.46	-0.38	0.084
63.00	-22.95	-4.54	0.00	-251.73	0.00	251.73	3,687.17	1,843.59	6,575.94	3,292.86	2.58	-0.39	0.083
64.50	-22.61	-4.51	0.00	-244.92	0.00	244.92	3,668.07	1,834.04	6,492.98	3,251.32	2.70	-0.40	0.081
66.00	-22.27	-4.48	0.00	-238.15	0.00	238.15	3,648.85	1,824.43	6,410.33	3,209.93	2.83	-0.41	0.080
67.50	-21.94	-4.45	0.00	-231.43	0.00	231.43	3,629.50	1,814.75	6,327.97	3,168.69	2.96	-0.41	0.079
69.00	-21.60	-4.42	0.00	-224.75	0.00	224.75	3,610.04	1,805.02	6,245.91	3,127.60	3.09	-0.42	0.078
70.50	-21.27	-4.39	0.00	-218.12	0.00	218.12	3,590.45	1,795.22	6,164.16	3,086.66	3.22	-0.43	0.077

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
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 Base Dia : 56.58 (in)
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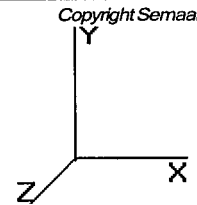
72.00	-20.94	-4.36	0.00	-211.53	0.00	211.53	3,570.73	1,785.37	6,082.73	3,045.88	3.36	-0.44	0.075
73.50	-20.61	-4.33	0.00	-204.98	0.00	204.98	3,550.89	1,775.45	6,001.61	3,005.27	3.50	-0.45	0.074
75.00	-20.28	-4.30	0.00	-198.48	0.00	198.48	3,530.94	1,765.47	5,920.82	2,964.81	3.64	-0.46	0.073
76.00	-20.03	-4.27	0.00	-194.18	0.00	194.18	3,517.56	1,758.78	5,867.14	2,937.93	3.73	-0.46	0.072
76.50	-19.92	-4.26	0.00	-192.04	0.00	192.04	3,510.85	1,755.43	5,840.35	2,924.52	3.78	-0.46	0.071
78.00	-19.60	-4.23	0.00	-185.65	0.00	185.65	3,490.65	1,745.32	5,760.22	2,884.39	3.93	-0.47	0.070
79.50	-19.28	-4.20	0.00	-179.31	0.00	179.31	3,470.32	1,735.16	5,680.42	2,844.43	4.08	-0.48	0.069
81.00	-18.96	-4.17	0.00	-173.01	0.00	173.01	3,449.87	1,724.94	5,600.97	2,804.65	4.23	-0.49	0.067
82.50	-18.64	-4.14	0.00	-166.75	0.00	166.75	3,429.30	1,714.65	5,521.86	2,765.04	4.39	-0.50	0.066
84.00	-18.33	-4.11	0.00	-160.54	0.00	160.54	3,408.60	1,704.30	5,443.11	2,725.60	4.54	-0.50	0.064
85.50	-18.01	-4.08	0.00	-154.37	0.00	154.37	3,387.79	1,693.89	5,364.72	2,686.34	4.70	-0.51	0.063
87.00	-17.70	-4.05	0.00	-148.25	0.00	148.25	3,366.84	1,683.42	5,286.68	2,647.27	4.86	-0.52	0.061
88.50	-17.39	-4.02	0.00	-142.17	0.00	142.17	3,345.78	1,672.89	5,209.02	2,608.38	5.03	-0.53	0.060
89.00	-16.43	-3.75	0.00	-140.16	0.00	140.16	3,338.73	1,669.37	5,183.21	2,595.46	5.08	-0.53	0.059
90.00	-16.23	-3.73	0.00	-136.41	0.00	136.41	3,324.59	1,662.30	5,131.72	2,569.67	5.19	-0.53	0.058
91.50	-15.92	-3.70	0.00	-130.82	0.00	130.82	3,300.23	1,650.12	5,050.13	2,528.82	5.36	-0.54	0.057
93.00	-15.62	-3.67	0.00	-125.28	0.00	125.28	3,271.77	1,635.89	4,962.98	2,485.18	5.53	-0.55	0.055
94.50	-15.32	-3.64	0.00	-119.78	0.00	119.78	3,243.31	1,621.65	4,876.58	2,441.91	5.71	-0.55	0.054
94.92	-15.24	-3.63	0.00	-118.27	0.00	118.27	3,235.40	1,617.70	4,852.71	2,429.96	5.75	-0.56	0.053
96.00	-14.89	-3.61	0.00	-114.34	0.00	114.34	3,214.85	1,607.42	4,790.94	2,399.03	5.88	-0.56	0.052
97.50	-14.40	-3.57	0.00	-108.93	0.00	108.93	3,186.39	1,593.19	4,706.06	2,356.53	6.06	-0.57	0.051
98.00	-12.66	-3.11	0.00	-107.14	0.00	107.14	3,176.90	1,588.45	4,677.94	2,342.44	6.12	-0.57	0.050
99.00	-12.35	-3.09	0.00	-104.03	0.00	104.03	3,157.93	1,578.96	4,621.94	2,314.41	6.24	-0.57	0.049
99.83	-12.09	-3.07	0.00	-101.46	0.00	101.46	2,561.71	1,280.85	3,809.78	1,907.72	6.34	-0.58	0.058
100.50	-11.99	-3.06	0.00	-99.42	0.00	99.42	2,554.65	1,277.32	3,784.15	1,894.89	6.42	-0.58	0.057
102.00	-11.75	-3.03	0.00	-94.83	0.00	94.83	2,538.68	1,269.34	3,726.65	1,866.10	6.60	-0.59	0.055
103.50	-11.51	-3.00	0.00	-90.29	0.00	90.29	2,522.58	1,261.29	3,669.40	1,837.43	6.79	-0.59	0.054
105.00	-11.27	-2.97	0.00	-85.79	0.00	85.79	2,506.36	1,253.18	3,612.41	1,808.89	6.97	-0.60	0.052
106.50	-11.03	-2.94	0.00	-81.34	0.00	81.34	2,490.02	1,245.01	3,555.67	1,780.48	7.16	-0.61	0.050
108.00	-10.80	-2.91	0.00	-76.94	0.00	76.94	2,473.56	1,236.78	3,499.19	1,752.20	7.36	-0.61	0.048
109.50	-10.57	-2.88	0.00	-72.57	0.00	72.57	2,456.97	1,228.49	3,442.98	1,724.05	7.55	-0.62	0.046
111.00	-10.34	-2.85	0.00	-68.25	0.00	68.25	2,440.26	1,220.13	3,387.05	1,696.04	7.75	-0.63	0.044
112.50	-10.11	-2.82	0.00	-63.98	0.00	63.98	2,423.43	1,211.72	3,331.39	1,668.17	7.94	-0.63	0.043
113.00	-9.97	-2.69	0.00	-62.57	0.00	62.57	2,417.79	1,208.90	3,312.90	1,658.91	8.01	-0.63	0.042
114.00	-9.82	-2.67	0.00	-59.87	0.00	59.87	2,406.48	1,203.24	3,276.01	1,640.44	8.14	-0.64	0.041
115.50	-9.60	-2.64	0.00	-55.87	0.00	55.87	2,389.40	1,194.70	3,220.91	1,612.85	8.34	-0.64	0.039
117.00	-9.38	-2.62	0.00	-51.90	0.00	51.90	2,372.20	1,186.10	3,166.11	1,585.41	8.55	-0.65	0.037
118.50	-9.17	-2.59	0.00	-47.98	0.00	47.98	2,354.88	1,177.44	3,111.61	1,558.12	8.75	-0.65	0.035
120.00	-8.95	-2.56	0.00	-44.10	0.00	44.10	2,337.43	1,168.72	3,057.40	1,530.97	8.96	-0.66	0.033
121.50	-8.74	-2.53	0.00	-40.26	0.00	40.26	2,319.86	1,159.93	3,003.51	1,503.99	9.16	-0.66	0.031
123.00	-7.48	-2.07	0.00	-36.47	0.00	36.47	2,302.17	1,151.09	2,949.92	1,477.15	9.37	-0.67	0.028
124.50	-7.29	-2.04	0.00	-33.36	0.00	33.36	2,279.08	1,139.54	2,889.96	1,447.13	9.58	-0.67	0.026
126.00	-7.11	-2.02	0.00	-30.29	0.00	30.29	2,255.37	1,127.68	2,829.83	1,417.02	9.79	-0.67	0.025
127.50	-6.92	-1.99	0.00	-27.26	0.00	27.26	2,231.65	1,115.82	2,770.33	1,387.22	10.01	-0.68	0.023
129.00	-6.74	-1.96	0.00	-24.28	0.00	24.28	2,207.93	1,103.97	2,711.46	1,357.74	10.22	-0.68	0.021
130.50	-6.56	-1.93	0.00	-21.34	0.00	21.34	2,184.22	1,092.11	2,653.22	1,328.58	10.43	-0.68	0.019
132.00	-6.38	-1.91	0.00	-18.43	0.00	18.43	2,160.50	1,080.25	2,595.62	1,299.74	10.65	-0.69	0.017
133.50	-6.21	-1.88	0.00	-15.57	0.00	15.57	2,136.78	1,068.39	2,538.65	1,271.21	10.86	-0.69	0.015
135.00	-3.71	-1.14	0.00	-12.75	0.00	12.75	2,113.07	1,056.53	2,482.31	1,243.00	11.08	-0.69	0.012
136.50	-3.55	-1.12	0.00	-11.03	0.00	11.03	2,089.35	1,044.67	2,426.60	1,215.10	11.30	-0.69	0.011
138.00	-3.40	-1.09	0.00	-9.36	0.00	9.36	2,065.63	1,032.82	2,371.53	1,187.53	11.51	-0.69	0.010
139.50	-3.24	-1.07	0.00	-7.72	0.00	7.72	2,041.91	1,020.96	2,317.09	1,160.27	11.73	-0.69	0.008
141.00	-3.09	-1.04	0.00	-6.12	0.00	6.12	2,018.20	1,009.10	2,263.28	1,133.32	11.95	-0.70	0.007
142.50	-2.93	-1.01	0.00	-4.56	0.00	4.56	1,994.48	997.24	2,210.10	1,106.69	12.17	-0.70	0.006
144.00	-2.78	-0.99	0.00	-3.04	0.00	3.04	1,970.76	985.38	2,157.55	1,080.38	12.39	-0.70	0.004
145.50	-2.63	-0.96	0.00	-1.56	0.00	1.56	1,947.05	973.52	2,105.64	1,054.39	12.61	-0.70	0.003
147.00	-0.11	-0.05	0.00	-0.12	0.00	0.12	1,923.33	961.67	2,054.36	1,028.71	12.83	-0.70	0.000

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W	60.00 mph Serviceability	25 Iterations
Gust Response Factor : 1.10		Wind Importance Factor :1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

147.90	0.00	0.00	0.00	0.00	0.00	0.00	1,909.10	954.55	2,023.89	1,013.45	12.96	-0.70	0.000
147.92	0.00	0.00	0.00	0.00	0.00	0.00	1,908.83	954.42	2,023.32	1,013.16	12.96	-0.70	0.000

Pole : 302468
Location : Petro Lock, CT
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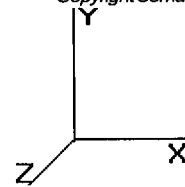
Code: ANSITIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1

Base Elev : 0.000 (ft)

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Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	25.06	0.00	47.71	0.00	0.00	2566.72	0.00	0.52
0.9D + 1.6W	25.06	0.00	35.78	0.00	0.00	2544.53	0.00	0.51
1.2D + 1.0Di + 1.0Wi	7.24	0.00	93.48	0.00	0.00	753.31	0.00	0.17
1.0D + 1.0W	5.64	0.00	39.77	0.00	0.00	574.15	0.00	0.12

Pole : 302468
 Location : Petro Lock, CT
 Height : 147.9 (ft)
 Shape : 18 Sides
 Base Dia : 56.58 (in)
 Top Dia : 26.21 (in)
 Taper : 0.214568 (in/ft)

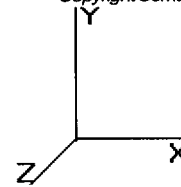
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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Base Summary

Reactions

Original Design			Analysis			
Moment (kip-ft)	Axial (kip)	Shear (kip)	Moment (kip-ft)	Axial (kip)	Shear (kip)	Moment Design %
2,489.00	36.10	23.90	2,566.72	93.45	25.06	103.12

Base Plate

Yield (ksi)	Thick (in)	Width (in)	Style	Poly Sides	Clip Len (in)	Effective Len (in)	Mu (kip-in)	Phi Mn (kip-in)	Ratio
60.0	2.500	69.000	Round	0	0.00	11.224	411.11	946.99	0.43

Anchor Bolts

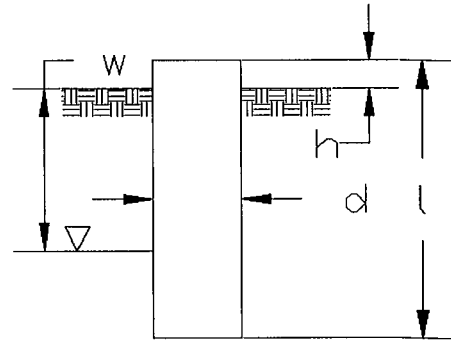
Bolt Circle	Num Bolts	Bolt Type	Bolt Dia (in)	Yield (ksi)	Ultimate (ksi)	Arrange	Cluster Dist (in)	Start Angle (deg)	Compression			Tension		
									Force (kip)	Allow (kip)	Ratio	Force (kip)	Allow (kip)	Ratio
63.00	16	2.25" 18J	2.25	75.00	100.00	Radial	0.00	0.0	128.07	260.00	0.50	116.38	260.00	0.46

Site Name: Petro Lock, CT
 Site Number: 302468
 Engineer: J. Johnston
 Engineering Number: 46993721
 Date: 03/31/11

Program Last Updated: 11/10/2010
 American Tower Corporation

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

Foundation Mapped: N
 Moment (M): 2566.7 k-ft
 Shear/Leg (V): 25.1 k
 Compression/Leg (P): 93.5 k
 Uplift/Leg (U): 0.0 k
 Tower Type (GT / SST / MP): MP



Diameter of Caisson (d): 7.0 ft
 Caisson Embedment (L-h): 34.0 ft
 Caisson Height Above Ground (h): 0.5 ft
 Depth Below Ground Surface to Water Table (w): 7.5 ft
 Unit Weight of Concrete: 150.0 pcf
 Unit Weight of Water: 62.4 pcf
 Tension Skin Friction/Compression Skin Friction: 1.00
 Pullout Angle: 30.0 degrees

Soil Mechanical Properties

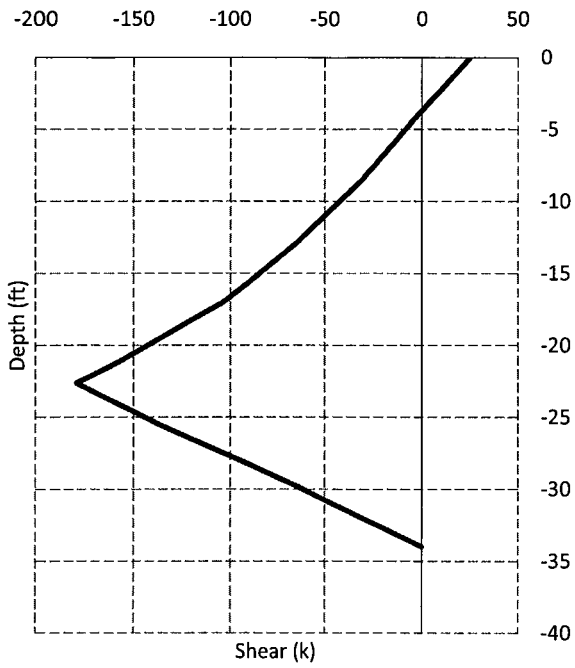
Depth (ft)		γ_{Soil}	Cohesion	ϕ	Ultimate Skin	Ultimate Bearing
Top	Bottom	(pcf)	(psf)	(degree)	Friction (psf)	Pressure (psf)
0.0	2.0	110	0	0	0	0
2.0	7.0	110	0	25	0	40000
7.0	10.0	110	0	20	250	40000
10.0	14.0	110	0	20	250	40000
14.0	17.0	110	0	20	250	40000
17.0	26.0	110	0	25	250	40000
26.0	30.0	110	0	20	250	40000
30.0	35.0	110	0	20	250	40000

Required Embedment: 23.3 ft - OK, Caisson Embedment Satisfactory
 Volume of Concrete: 1327.7 ft³ = 49.2 yd³
 Weight of Concrete (Buoyancy Effect Considered): 135.5 k
 Average Soil Unit Weight: 61.4 pcf
 Skin Friction Resistance: 148.4 k
 Compressive Bearing Resistance: 1539.4 k
 Pullout Weight (Minus Concrete Weight): 1292.2 k
 Nominal Uplift Capacity per Leg ($\phi_s T_n$): 213.0 k
 Nominal Compressive Capacity per Leg ($\phi_s P_n$): 1265.9 k
 P_u : 156.3 k
 $T_u / \phi_s T_n$: 0.00 Result: OK
 $P_u / \phi_s P_n$: 0.12 Result: OK
 Total Lateral Resistance: 1745.8 k
 Inflection Point (Below Ground Surface): 22.6 ft
 Design Overturning Moment At Inflection Point (M_D): 3146.2 k-ft
 Nominal Moment Capacity ($\phi_s M_n$): 8935.4 k-ft
 $M_D / \phi_s M_n$: 0.35 Result: OK
 ϕ_s : 0.75

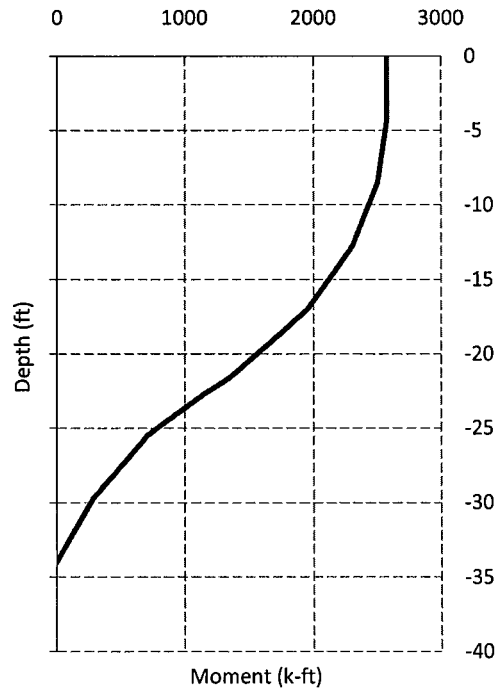
Caisson Strength Capacity

Concrete Compressive Strength (f'_c):	3000 psi
Vertical Steel Rebar Size #:	11
Vertical Steel Rebar Area:	1.56 in ²
Required # of Vertical Rebar to Satisfy Reinforcement Ratio:	18
# of Vertical Steel Rebars:	21 Minimum # of vertical rebar met for RR
Vertical Steel Rebar Yield Strength (F_y):	60 ksi
Horizontal Tie / Stirrup Size #:	5
Horizontal Tie / Stirrup Area:	0.31 in ²
Design Horizontal Tie / Stirrup Spacing:	18.0 in
Horizontal Tie / Stirrup Steel Yield Strength (F_y):	40 ksi
Rebar Cage Diameter:	76.0 in
Strength Bending/Tension Reduction Factor (ϕ_B):	0.90 ACI318-05 - 9.3.2.1
Strength Shear Reduction Factor (ϕ_V):	0.75 ACI318-05 - 9.3.2.3
Strength Compression Reduction Factor (ϕ_C):	0.65 ACI318-05 - 9.3.2.2
Steel Elastic Modulus:	29000 ksi
Design Moment (M_u):	2582.4 k-ft
Nominal Moment Capacity ($\phi_B M_n$):	4963.4 k-ft - ACI318-005 - 10.2
$M_u/\phi_B M_n$:	0.52 Result: OK
Design Shear (V_u):	179.6 k
Nominal Shear Capacity ($\phi_V V_n$):	459.1 k - ACI318-05 - 11.3.1.1 or 11.5.7.2
$V_u/\phi_V V_n$:	0.39 Result: OK
Design Tension (T_u):	0.0 k
Nominal Tension Capacity ($\phi_T T_n$):	1769.0 k - ACI318-05 - 10.2
$T_u/\phi_T T_n$:	0.00 Result: OK
Design Compression (P_u):	156.3 k
Nominal Compression Capacity ($\phi_P P_n$):	8594.1 k - ACI318-05 - 10.3.6.2
$P_u/\phi_P P_n$:	0.02 Result: OK
Bending Reinforcement Ratio:	0.006 Reinforcement Ratio is Satisfactory - ACI318-05 - 10.8.4 & 10.9.1
$M_u/\phi_B M_n + T_u/\phi_T T_n$:	0.52 Result: OK

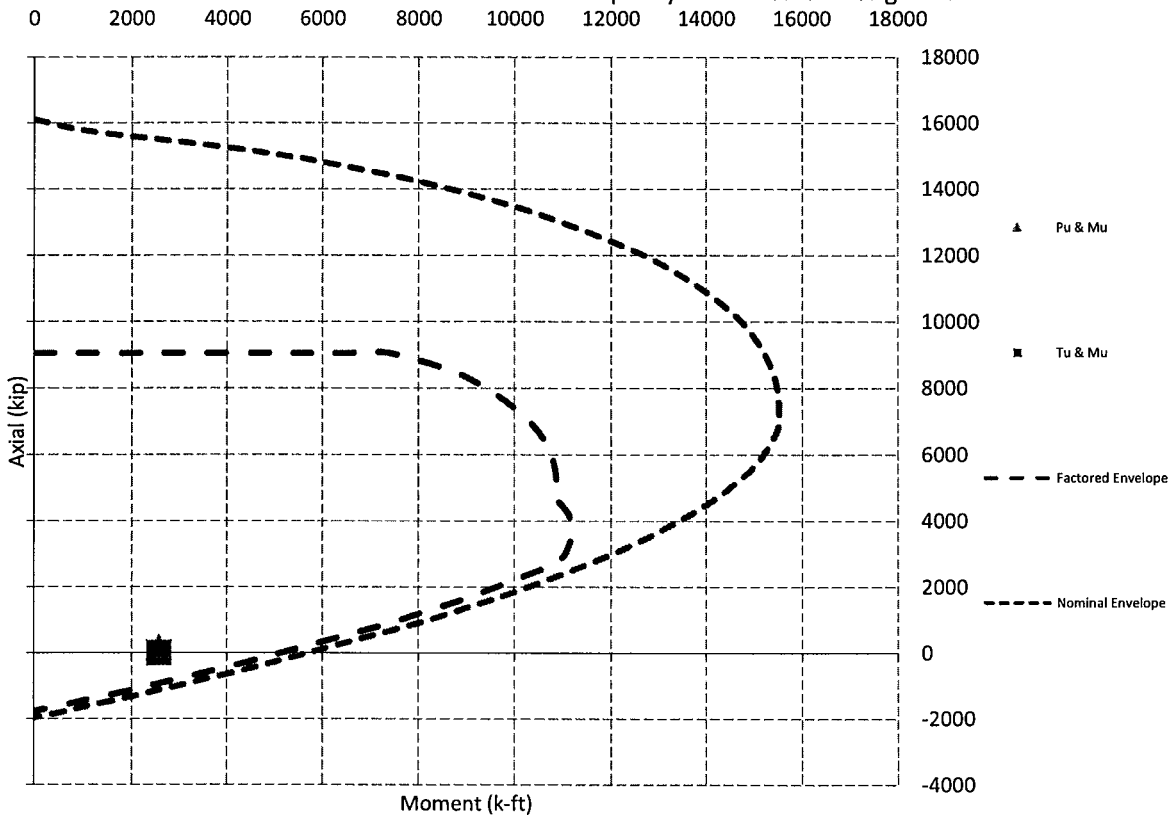
Design Factored Shear / Depth



Design Factored Moment / Depth



Nominal and Factored Moment Capacity and Factored Design Loads



Technical Memo

To: Northeast Tower Inc
From: Amir Uzzaman - Radio Frequency Engineer
cc: Jason Overbey
Subject: Power Density Report for CT11661A
Date: April 25, 2011

1. Introduction:

This report is the result of an Electromagnetic Field Intensities (EMF - Power Densities) study for the T-Mobile antenna installation on a Monopole at 99 Meadow Street, Hartford, CT. This study incorporates the most conservative consideration for determining the practical combined worst case power density levels that would be theoretically encountered from locations surrounding the transmitting location.

2. Discussion:

The following assumptions were used in the calculations:

- 1) The emissions from T-Mobile transmitters are in the (1935-1944.8), (2140-2145), (2110-2120)MHz frequency Band.
- 2) The antenna array consists of three sectors, with 3 antennas per sector.
- 3) The model number for GSM antenna is APXV18-206516.
- 3) The model number for UMTS antenna is APX16DWV-16DWV.
- 4) GSM antenna center line height is 123 ft.
- 4) UMTS antenna center line height is 123 ft.
- 5) The maximum transmit power from any GSM sector is 2217.79 Watts Effective Radiated Power (EiRP) assuming 8 channels per sector.
- 5) The maximum transmit power from any UMTS sector is 2426 Watts Effective Radiated Power (EiRP) assuming 2 channels per sector.
- 6) All the antennas are simultaneously transmitting and receiving, 24 hours a day.
- 7) Power levels emitting from the antennas 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.
- 8) The average ground level of the studied area does not change significantly with respect to the transmitting location.

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

3. Conclusion:

Based on the above worst case assumptions, the power density calculation from the T-Mobile antenna installation on a Monopole at 99 Meadow Street, Hartford, CT, is 0.07443 mW/cm². This value represents 7.443% of the Maximum Permissible Exposure (MPE) standard of 1 milliwatt per square centimeter (mW/cm²) set forth in the FCC/ANSI/IEEE C95.1-1991. Furthermore, the proposed antenna location for T-Mobile will not interfere with existing public safety communications, AM or FM radio broadcasts, TV, Police Communications, HAM Radio communications or any other signals in the area. The combined Power Density from other carriers is 37.69973%. The combined Power Density for the site is 45.142% of the M.P.E. standard.

Connecticut Market



Worst Case Power Density

Site: CT11661A
Site Address: 99 Meadow Street
Town: Hartford
Tower Height: 147 ft.
Tower Style: Monopole

GSM Data		UMTS Data	
Base Station TX output	20 W	Base Station TX output	40 W
Number of channels	8	Number of channels	2
Antenna Model	APXV18-206516	Antenna Model	APXV18-206516
Cable Size	1 5/8	Cable Size	1 5/8
Cable Length	14.5 英尺	Cable Length	14.5 英尺
Antenna Height	123.10 英尺	Antenna Height	123.10 英尺
Ground Reflection	1.6	Ground Reflection	1.6
Frequency	1945.0 MHz	Frequency	2.1 GHz
Jumper & Connector loss	4.50 dB	Jumper & Connector loss	1.50 dB
Antenna Gain	17.6 dBi	Antenna Gain	18.0 dBi
Cable Loss per foot	0.0116 dB	Cable Loss per foot	0.0116 dB
Total Cable Loss	1.6820 dB	Total Cable Loss	1.6820 dB
Total Attenuation	6.1820 dB	Total Attenuation	3.1820 dB
Total EIRP per Channel (In Watts)	54.43 dBm 277.22 W	Total EIRP per Channel (In Watts)	60.84 dBm 1213.00 W
Total EIRP per Sector (In Watts)	63.46 dBm 2217.79 W	Total EIRP per Sector (In Watts)	63.85 dBm 2426.00 W
nsg	11.4180	nsg	14.8180
Power Density (S) = 0.035544 mW/cm²		Power Density (S) = 0.038881 mW/cm²	
T-Mobile Worst Case % MPE =		7.4425%	
Equation Used : <input type="text"/>			
Office of Engineering and Technology (OET) Bulletin 65, Edition 97-01, August 1997			

Co-Location Total	
Carrier	% of Standard
Pocket	5.3306 %
Cingular UMTS	0.9579 %
Nextel	2.3742 %
Clearwire	1.3891 %
Clearwire	0.9578 %
Sprint	25.1100 %
AT&T	1.5802 %
Other Antenna Systems	
Total Excluding T-Mobile	37.6997 %
T-Mobile	7.4425
Total % MPE for Site	45.1423%