



48 Spruce Street  
Oakland, NJ 07436  
Phone: (201)-951-3869  
Tom Kincaid  
Real Estate Consultant

July 21, 2014

**Hand Delivered**

Ms. Melanie A. Bachman  
Acting Executive Director  
Connecticut Siting Council  
10 Franklin Square  
New Britain, CT 06051

CC to Property Owner:  
Canterbury School, Inc 101 Aspetuck Avenue  
New Milford, Connecticut, 06776

RE: Sprint Spectrum L.P. notice of intent to modify an existing telecommunications facility located 4 Elkington Farm Road, New Milford, CT 06776, Known to Sprint as CT33XC097.

Dear Ms. Bachman:

In order to accommodate technological changes, implement Code Division Multiple Access ("CDMA") and/or Long Term Evolution ("LTE") capabilities, and enhance system performance in the state of Connecticut, Sprint Spectrum L.P. plans to modify the equipment configurations at many of its existing cell sites. Please accept this letter and attachments as notification, pursuant to R.C.S.A. Section 16-50j-73, of construction which constitutes an exempt modification pursuant to R.C.S.A. Section 16-50j-72(b)(2). In compliance with R.C.S.A. Section 16-50j-73, a copy of this letter and its attachments is being sent to the chief elected official of the municipality in which affected cell site is located.

CDMA employs Spread-Spectrum technology and special coding scheme to allow multiple users to be multiplexed over the same physical channel.

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

Attached is a summary of the planned modifications, including power density calculations reflecting the change in Sprint's operations at the site. Also included is documentation of the structural sufficiency of the tower to accommodate the revised antenna configuration.

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

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

For the foregoing reasons Sprint Spectrum L.P. respectfully submits that the proposed changes at the referenced site constitute exempt modifications under R.C.S.A. Section 16-50j-72(b)(2).

Please feel free to call me at (845)-499-4712 or email [JPalumbo@Transcendwireless.com](mailto:JPalumbo@Transcendwireless.com) with questions concerning this matter.  
Thank you for your consideration.

Sincerely,

Jennifer Palumbo  
Real Estate Consultant

RADIO FREQUENCY FCC REGULATORY COMPLIANCE  
MAXIMUM PERMISSIBLE EXPOSURE (MPE) ASSESSMENT

Sprint Existing Facility

Site ID: CT33XC097

New Milford CT 2

4 Elkington Farm Road  
New Milford, CT 06776

**July 17, 2014**

**EBI Project Number: 62143794**

July 17, 2014

Sprint  
Attn: RF Engineering Manager  
1 International Boulevard, Suite 800  
Mahwah, NJ 07495

Re: Radio Frequency Maximum Permissible Exposure (MPE) Assessment for Site:  
**CT33XC097 - New Milford CT 2**

**Site Total: 42.03% - MPE% in full compliance**

EBI Consulting was directed to analyze the proposed upgrades to the existing Sprint facility located at 4 Elkington Farm Road, New Milford, CT, for the purpose of determining whether the radio frequency (RF) exposure levels from the proposed Sprint equipment upgrades on this property are within specified federal limits.

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

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

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

Public exposure to radio frequencies is regulated and enforced in units of microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ ). The general population exposure limit for the cellular band (850 MHz Band) is approximately  $567 \mu\text{W}/\text{cm}^2$ , and the general population exposure limit for the 1900 MHz and 2500 MHz bands is  $1000 \mu\text{W}/\text{cm}^2$ . Because each carrier will be using different frequency bands, and each frequency band has different exposure limits, it is necessary to report percent of MPE rather than power density.

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

Additional details can be found in FCC OET 65.

## **CALCULATIONS**

Calculations were done for the proposed upgrades to the existing Sprint Wireless antenna facility located at 4 Elkington Farm Road, New Milford, CT, using the equipment information listed below. All calculations were performed per the specifications under FCC OET 65. All calculations were performed assuming a lobe representing the maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was focused at the base of the tower. For this report the sample point is the top of a 6 foot person standing at the base of the tower.

For all calculations, all emissions were calculated using the following assumptions:

- 1) 3 channels in the 1900 MHz Band were considered for each sector of the proposed installation.
- 2) 1 channel in the 800 MHz Band was considered for each sector of the proposed installation
- 3) 2 channels in the 2500 MHz Band were considered for each sector of the proposed installation.
- 4) All radios at the proposed installation were considered to be running at full power and were uncombined in their RF transmissions paths per carrier prescribed configuration. Per FCC OET Bulletin No. 65 - Edition 97-01 recommendations to achieve the maximum anticipated value at each sample point, all power levels emitting from the proposed antenna installation are increased by a factor of 2.56 to account for possible in-phase reflections from the surrounding environment. This is rarely the case, and if so, is never continuous.
- 5) For the following calculations the sample point was the top of a six foot person standing at the base of the tower. The maximum gain of the antenna per the antenna manufactures supplied specifications minus 10 dB was used in this direction. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.

- 6) The antennas used in this modeling are the RFS APXVSPP18-C-A20 and the RFS APXVTM14-C-I20. This is based on feedback from the carrier with regards to anticipated antenna selection. The RFS APXVSPP18-C-A20 has a 15.9 dBd gain value at its main lobe at 1900 MHz and 13.4 dBd at its main lobe for 850 MHz. The RFS APXVTM14-C-I20 has a 15.9 dBd gain value at its main lobe at 2500 MHz. The maximum gain of the antenna per the antenna manufactures supplied specifications, minus 10 dB, was used for all calculations. This value is a very conservative estimate as gain reductions for these particular antennas are typically much higher in this direction.
- 7) The antenna mounting height centerline for the proposed antennas is **140 feet** above ground level (AGL).
- 8) Emissions values for additional carriers were taken from the Connecticut Siting Council active database. Values in this database are provided by the individual carriers themselves.

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

|                                   |              |                                               |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      |        |                          |
|-----------------------------------|--------------|-----------------------------------------------|------------|----------------|------------|-------------------------------|--------------------|-----------------|--------------------------------|---------------------|-----------------|------------|-----------------|----------------------|--------|--------------------------|
| Site ID                           |              | CT33XC097 - New Milford CT 2                  |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      |        |                          |
| Site Address                      |              | 4 Elkington Farm Road, New Milford, CT, 06776 |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      |        |                          |
| Site Type                         |              | Monopole                                      |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      |        |                          |
| Sector 1                          |              |                                               |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      |        |                          |
| Antenna Number                    | Antenna Make | Antenna Model                                 | Radio Type | Frequency Band | Technology | Power Out Per Channel (Watts) | Number of Channels | Composite Power | Antenna Gain (10 db reduction) | Antenna Height (ft) | analysis height | Cable Size | Cable Loss (dB) | Additional Loss (dB) | ERP    | Power Density Percentage |
| 1a                                | RFS          | APXVSP18-C-A20                                | RRH        | 1900 MHz       | CDMA / LTE | 20                            | 3                  | 60              | 5.9                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 208.04 | 0.42%                    |
| 1a                                | RFS          | APXVSP18-C-A20                                | RRH        | 850 MHz        | CDMA / LTE | 20                            | 1                  | 20              | 3.4                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 39.00  | 0.14%                    |
| 1B                                | RFS          | APXVTMM14-C-120                               | RRH        | 2500 MHz       | CDMA / LTE | 20                            | 2                  | 40              | 5.9                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 138.69 | 0.49%                    |
| Sector total Power Density Value: |              |                                               |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      | 1.04%  |                          |
| Sector 2                          |              |                                               |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      |        |                          |
| Antenna Number                    | Antenna Make | Antenna Model                                 | Radio Type | Frequency Band | Technology | Power Out Per Channel (Watts) | Number of Channels | Composite Power | Antenna Gain (10 db reduction) | Antenna Height (ft) | analysis height | Cable Size | Cable Loss (dB) | Additional Loss (dB) | ERP    | Power Density Percentage |
| 2a                                | RFS          | APXVSP18-C-A20                                | RRH        | 1900 MHz       | CDMA / LTE | 20                            | 3                  | 60              | 5.9                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 208.04 | 0.42%                    |
| 2a                                | RFS          | APXVSP18-C-A20                                | RRH        | 850 MHz        | CDMA / LTE | 20                            | 1                  | 20              | 3.4                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 39.00  | 0.14%                    |
| 2B                                | RFS          | APXVTMM14-C-120                               | RRH        | 2500 MHz       | CDMA / LTE | 20                            | 2                  | 40              | 5.9                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 138.69 | 0.49%                    |
| Sector total Power Density Value: |              |                                               |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      | 1.04%  |                          |
| Sector 3                          |              |                                               |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      |        |                          |
| Antenna Number                    | Antenna Make | Antenna Model                                 | Radio Type | Frequency Band | Technology | Power Out Per Channel (Watts) | Number of Channels | Composite Power | Antenna Gain (10 db reduction) | Antenna Height (ft) | analysis height | Cable Size | Cable Loss (dB) | Additional Loss (dB) | ERP    | Power Density Percentage |
| 3a                                | RFS          | APXVSP18-C-A20                                | RRH        | 1900 MHz       | CDMA / LTE | 20                            | 3                  | 60              | 5.9                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 208.04 | 0.42%                    |
| 3a                                | RFS          | APXVSP18-C-A20                                | RRH        | 850 MHz        | CDMA / LTE | 20                            | 1                  | 20              | 3.4                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 39.00  | 0.14%                    |
| 3B                                | RFS          | APXVTMM14-C-120                               | RRH        | 2500 MHz       | CDMA / LTE | 20                            | 2                  | 40              | 5.9                            | 140                 | 134             | 1/2 "      | 0.5             | 0                    | 138.69 | 0.49%                    |
| Sector total Power Density Value: |              |                                               |            |                |            |                               |                    |                 |                                |                     |                 |            |                 |                      | 1.04%  |                          |

| Site Composite MPE % |        |
|----------------------|--------|
| Carrier              | MPE %  |
| Sprint               | 3.13%  |
| AT&T                 | 13.56% |
| PageNet              | 0.78%  |
| Nextel               | 4.71%  |
| Verizon Wireless     | 19.85% |
| Total Site MPE %     | 42.03% |

## Summary

All calculations performed for this analysis yielded results that were well within the allowable limits for general public Maximum Permissible Exposure (MPE) to radio frequency energy.

The anticipated Maximum Composite contributions from the Sprint facility are **3.13% (1.04% from sector 1, 1.04% from sector 2 and 1.04% from sector 3)** of the allowable FCC established general public limit considering all three sectors simultaneously sampled at the ground level.

The anticipated composite MPE value for this site assuming all carriers present is **42.03%** of the allowable FCC established general public limit sampled at 6 feet above ground level. This total composite site value is based upon MPE values listed in the Connecticut Siting Council database for existing carrier emissions.

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



**Scott Heffernan**  
RF Engineering Director

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





**AMERICAN  
TOWER**  
CORPORATION

PROJECT: 2.5 EQUIPMENT DEPLOYMENT  
SITE NAME: NEW MILFORD CT 2  
SITE CASCADE: CT33XC097  
SITE NUMBER: 302523  
SITE ADDRESS: 4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776  
SITE TYPE: MONOPOLE TOWER  
MARKET: SOUTHERN CONNECTICUT

PLANS PREPARED FOR:  
**Sprint**  
6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:  
**INFINIGY** Design.  
Build.  
Deliver.  
1033 Watervliet Shaker Rd  
Albany, NY 12205  
Office # (518) 690-0790  
Fax # (518) 690-0793  
JOB NUMBER 340-000

MLA PARTNER:  
**AMERICAN  
TOWER**  
CORPORATION  
10 PRESIDENTIAL WAY  
WOBURN, MA 01801



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| REVISIONS:              |          |     |     |
|-------------------------|----------|-----|-----|
| DESCRIPTION             | DATE     | BY  | REV |
| ISSUED FOR CONSTRUCTION | 07/15/14 | DJG | 2   |
| ISSUED FOR PERMIT       | 07/10/14 | MAP | 1   |
| ISSUED FOR PERMIT       | 06/10/14 | DJG | 0   |
| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |

SITE NAME:  
NEW MILFORD CT 2

SITE CASCADE:  
CT33XC097

SITE ADDRESS:  
4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:  
TITLE SHEET  
& PROJECT DATA

SHEET NUMBER:  
T-1

#### SITE INFORMATION

**TOWER OWNER:**  
AMERICAN TOWER CORPORATION  
10 PRESIDENTIAL WAY  
WOBURN, MA 01801

**LATITUDE (NAD83):**  
41° 35' 27" N  
41.590833°

**LONGITUDE (NAD83):**  
73° 24' 31" W  
-73.408611°

**COUNTY:**  
LITCHFIELD

**ZONING JURISDICTION:**  
CONNECTICUT SITING COUNCIL

**ZONING DISTRICT:**  
R-M - MULTI FAMILY RESIDENTIAL

**POWER COMPANY:**  
CL&P  
(800) 286-2000

**AAV PROVIDER:**  
CHARTER COMMUNICATIONS  
(855) 239-7917

**SPRINT CM:**  
GARY WOOD  
(860) 940-9168  
GARY.WOOD@SPRINT.COM

**AMERICAN TOWER PM:**  
JOE SHANAHAN  
(781) 926-4521  
JOSEPH.SHANAHAN@AMERICANTOWER.COM

#### AREA MAP



#### LOCATION MAP



#### PROJECT DESCRIPTION

SPRINT PROPOSES TO MODIFY AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY.

- INSTALL 2.5 EQUIPMENT IN EXISTING NV MMBS CABINET
- INSTALL (3) PANEL ANTENNAS
- INSTALL (3) RRU'S TO TOWER
- INSTALL (27) JUMPER CABLES
- INSTALL (1) FIBER CABLE
- INSTALL (4) BATTERIES IN EXISTING BATTERY CABINET

THESE PLANS HAVE BEEN DEVELOPED FOR THE MODIFICATION OF AN EXISTING UNMANNED TELECOMMUNICATIONS FACILITY OWNED OR LEASED BY SPRINT IN ACCORDANCE WITH THE SCOPE OF WORK PROVIDED BY SPRINT. INFINIGY HAS INCORPORATED THIS SCOPE OF WORK IN THE PLANS. THESE PLANS ARE NOT FOR CONSTRUCTION UNLESS ACCOMPANIED BY A PASSING STRUCTURAL STABILITY ANALYSIS PREPARED BY A LICENSED STRUCTURAL ENGINEER. STRUCTURAL ANALYSIS MUST INCLUDE BOTH TOWER AND MOUNT.

#### APPLICABLE CODES

ALL WORK SHALL BE PERFORMED AND MATERIALS INSTALL IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THESE CODES.

1. INTERNATIONAL BUILDING CODE (2012 IBC)
2. TIA-EIA-222-G OR LATEST EDITION
3. NFPA 780 - LIGHTNING PROTECTION CODE
4. 2011 NATIONAL ELECTRIC CODE OR LATEST EDITION
5. ANY OTHER NATIONAL OR LOCAL APPLICABLE CODES, MOST RECENT EDITIONS
6. CT BUILDING CODE
7. LOCAL BUILDING CODE
8. CITY/COUNTY ORDINANCES



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#### DRAWING INDEX

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THESE OUTLINE SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT STANDARD CONSTRUCTION SPECIFICATIONS, INCLUDING CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.

SECTION 01 100 – SCOPE OF WORK

PART 1 – GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE SPRINT CONSTRUCTION STANDARDS FOR WIRELESS SITES, CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
- A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
- B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 PRECEDENCE: SHOULD CONFLICTS OCCUR BETWEEN THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES INCLUDING THE STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE CONSTRUCTION DRAWINGS, INFORMATION ON THE CONSTRUCTION DRAWINGS SHALL TAKE PRECEDENCE. NOTIFY SPRINT CONSTRUCTION MANAGER IF THIS OCCURS.
- 1.4 NATIONALLY RECOGNIZED CODES AND STANDARDS:
- A. THE WORK SHALL COMPLY WITH APPLICABLE NATIONAL AND LOCAL CODES AND STANDARDS, LATEST EDITION, AND PORTIONS THEREOF, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
- GR-63-CORE NEBS REQUIREMENTS: PHYSICAL PROTECTION
  - GR-78-CORE GENERIC REQUIREMENTS FOR THE PHYSICAL DESIGN AND MANUFACTURE OF TELECOMMUNICATIONS EQUIPMENT.
  - GR-1089 CORE, ELECTROMAGNETIC COMPATIBILITY AND ELECTRICAL SAFETY -GENERIC CRITERIA FOR NETWORK TELECOMMUNICATIONS EQUIPMENT.
  - NATIONAL FIRE PROTECTION ASSOCIATION CODES AND STANDARDS (NFPA) INCLUDING NFPA 70 (NATIONAL ELECTRICAL CODE – "NEC") AND NFPA 101 (LIFE SAFETY CODE).
  - AMERICAN SOCIETY FOR TESTING OF MATERIALS (ASTM)
  - INSTITUTE OF ELECTRONIC AND ELECTRICAL ENGINEERS (IEEE)
  - AMERICAN CONCRETE INSTITUTE (ACI)
  - AMERICAN WIRE PRODUCERS ASSOCIATION (AWPA)
  - CONCRETE REINFORCING STEEL INSTITUTE (CRSI)
  - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
  - PORTLAND CEMENT ASSOCIATION (PCA)
  - NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA)
  - BRICK INDUSTRY ASSOCIATION (BIA)
  - AMERICAN WELDING SOCIETY (AWS)
  - NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA)
  - SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA)
  - DOOR AND HARDWARE INSTITUTE (DHI)
  - OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
  - APPLICABLE BUILDING CODES INCLUDING UNIFORM BUILDING CODE, SOUTHERN BUILDING CODE, BOCA, AND THE INTERNATIONAL BUILDING CODE.

1.5 DEFINITIONS:

- A. WORK: THE SUM OF TASKS AND RESPONSIBILITIES IDENTIFIED IN THE CONTRACT DOCUMENTS.
- B. COMPANY: SPRINT CORPORATION
- C. ENGINEER: SYNONYMOUS WITH ARCHITECT & ENGINEER AND "A&E". THE DESIGN PROFESSIONAL HAVING PROFESSIONAL RESPONSIBILITY FOR DESIGN OF THE PROJECT.
- D. CONTRACTOR: CONSTRUCTION CONTRACTOR; CONSTRUCTION VENDOR; INDIVIDUAL OR ENTITY WHO AFTER EXECUTION OF A CONTRACT IS BOUND TO ACCOMPLISH THE WORK.
- E. THIRD PARTY VENDOR OR AGENCY: A VENDOR OR AGENCY ENGAGED SEPARATELY BY THE COMPANY, A&E, OR CONTRACTOR TO PROVIDE MATERIALS OR TO ACCOMPLISH SPECIFIC TASKS RELATED TO BUT NOT INCLUDED IN THE WORK.
- F. OFCI: OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT.
- G. CONSTRUCTION MANAGER – ALL PROJECTS RELATED COMMUNICATION TO FLOW THROUGH SPRINT REPRESENTATIVE IN CHARGE OF PROJECT...

- 1.6 SITE FAMILIARITY: CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE SPRINT CONSTRUCTION MANAGER PRIOR TO THE COMMENCEMENT OF WORK. NO COMPENSATION WILL BE AWARDED BASED ON CLAIM OF LACK OF KNOWLEDGE OR FIELD CONDITIONS.
- 1.7 POINT OF CONTACT: COMMUNICATION BETWEEN SPRINT AND THE CONTRACTOR SHALL FLOW THROUGH THE SINGLE SPRINT CONSTRUCTION MANAGER APPOINTED TO MANAGE THE PROJECT FOR SPRINT.
- 1.8 ON-SITE SUPERVISION: THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL EMPLOY A COMPETENT SUPERINTENDENT WHO SHALL BE IN ATTENDANCE AT THE SITE AT ALL TIMES DURING PERFORMANCE OF THE WORK.
- 1.9 DRAWINGS, SPECIFICATIONS AND DETAILS REQUIRED AT JOBSITE: THE CONSTRUCTION CONTRACTOR SHALL MAINTAIN A FULL SET OF THE CONSTRUCTION DRAWINGS, STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES AND THE STANDARD CONSTRUCTION SPECIFICATIONS FOR WIRELESS SITES AT THE JOBSITE FROM MOBILIZATION THROUGH CONSTRUCTION COMPLETION.
- A. THE JOBSITE DRAWINGS, SPECIFICATIONS AND DETAILS SHALL BE CLEARLY MARKED DAILY IN RED PENCIL WITH ANY CHANGES IN CONSTRUCTION OVER WHAT IS DEPICTED IN THE DOCUMENTS. AT CONSTRUCTION COMPLETION, THIS JOBSITE MARKUP SET SHALL BE DELIVERED TO THE COMPANY OR COMPANY'S DESIGNATED REPRESENTATIVE TO BE FORWARDED TO THE COMPANY'S A&E VENDOR FOR PRODUCTION OF "AS-BUILT" DRAWINGS.
- B. DETAILS ARE INTENDED TO SHOW DESIGN INTENT. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK. CONTRACTOR SHALL NOTIFY SPRINT CONSTRUCTION MANAGER OF ANY VARIATIONS PRIOR TO PROCEEDING WITH THE WORK.
- C. DIMENSIONS SHOWN ARE TO FINISH SURFACES UNLESS NOTED OTHERWISE. SPACING BETWEEN EQUIPMENT IS THE REQUIRED CLEARANCE. SHOULD THERE BE ANY QUESTIONS REGARDING THE CONTRACT DOCUMENTS, EXISTING CONDITIONS AND/OR DESIGN INTENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE SPRINT CONSTRUCTION MANAGER PRIOR TO PROCEEDING WITH THE WORK.
- 1.10 USE OF JOB SITE: THE CONTRACTOR SHALL CONFINE ALL CONSTRUCTION AND RELATED OPERATIONS INCLUDING STAGING AND STORAGE OF MATERIALS AND EQUIPMENT, PARKING, TEMPORARY FACILITIES, AND WASTE STORAGE TO THE LEASE PARCEL UNLESS OTHERWISE PERMITTED BY THE CONTRACT DOCUMENTS.
- 1.11 UTILITIES SERVICES: WHERE NECESSARY TO CUT EXISTING PIPES, ELECTRICAL WIRES, CONDUITS, CABLES, ETC., OF UTILITY SERVICES, OR OF FIRE PROTECTION OR COMMUNICATIONS SYSTEMS, THEY SHALL BE CUT AND CAPPED AT SUITABLE PLACES OR WHERE SHOWN. ALL SUCH ACTIONS SHALL BE COORDINATED WITH THE UTILITY COMPANY INVOLVED:
- 1.12 PERMITS / FEES: WHEN REQUIRED THAT A PERMIT OR CONNECTION FEE BE PAID TO A PUBLIC UTILITY PROVIDER FOR NEW SERVICE TO THE CONSTRUCTION PROJECT, PAYMENT OF SUCH FEE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 1.13 CONTRACTOR SHALL TAKE ALL MEASURES AND PROVIDE ALL MATERIAL NECESSARY FOR PROTECTING EXISTING EQUIPMENT AND PROPERTY.
- 1.14 METHODS OF PROCEDURE (MOPS) FOR CONSTRUCTION: CONTRACTOR SHALL PERFORM WORK AS DESCRIBED IN THE FOLLOWING INSTALLATION AND COMMISSIONING MOPS.
- NOTE: IN SHORT-FORM SPECIFICATIONS ON THE DRAWINGS, A/E TO INSERT LIST OF APPLICABLE MOPS INCLUDING EN-2012-001, EN-2013-002, EL-0568, AND TS-0193

1.15 USE OF ELECTRONIC PROJECT MANAGEMENT SYSTEMS:

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

- 3.1 TEMPORARY UTILITIES AND FACILITIES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY UTILITIES AND FACILITIES NECESSARY EXCEPT AS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. TEMPORARY UTILITIES AND FACILITIES INCLUDE POTABLE WATER, HEAT, HVAC, ELECTRICITY, SANITARY FACILITIES, WASTE DISPOSAL FACILITIES, AND TELEPHONE/COMMUNICATION SERVICES. PROVIDE TEMPORARY UTILITIES AND FACILITIES IN ACCORDANCE WITH OSHA AND THE AUTHORITY HAVING JURISDICTION. CONTRACTOR MAY UTILIZE THE COMPANY ELECTRICAL SERVICE IN THE COMPLETION OF THE WORK WHEN IT BECOMES AVAILABLE. USE OF THE LESSORS OR SITE OWNER'S UTILITIES OR FACILITIES IS EXPRESSLY FORBIDDEN EXCEPT AS OTHERWISE ALLOWED IN THE CONTRACT DOCUMENTS.
- 3.2 ACCESS TO WORK: THE CONTRACTOR SHALL PROVIDE ACCESS TO THE JOB SITE FOR AUTHORIZED COMPANY PERSONNEL AND AUTHORIZED REPRESENTATIVES OF THE ARCHITECT/ENGINEER DURING ALL PHASES OF THE WORK.
- 3.3 TESTING: REQUIREMENTS FOR TESTING BY THIS CONTRACTOR SHALL BE AS INDICATED HEREWITH, ON THE CONSTRUCTION DRAWINGS, AND IN THE INDIVIDUAL SECTIONS OF THESE SPECIFICATIONS. SHOULD COMPANY CHOOSE TO ENGAGE ANY THIRD-PARTY TO CONDUCT ADDITIONAL TESTING, THE CONTRACTOR SHALL COOPERATE WITH AND PROVIDE A WORK AREA FOR COMPANY'S TEST AGENCY.
- 3.4 DIMENSIONS: VERIFY DIMENSIONS INDICATED ON DRAWINGS WITH FIELD DIMENSIONS BEFORE FABRICATION OR ORDERING OF MATERIALS. DO NOT SCALE DRAWINGS.

3.5 EXISTING CONDITIONS: NOTIFY THE SPRINT CONSTRUCTION MANAGER OF EXISTING CONDITIONS DIFFERING FROM THOSE INDICATED ON THE DRAWINGS. DO NOT REMOVE OR ALTER STRUCTURAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT AND ENGINEER.

SECTION 01 200 – COMPANY FURNISHED MATERIAL AND EQUIPMENT

PART 1 – GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
- A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
- B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

- 3.1 RECEIPT OF MATERIAL AND EQUIPMENT:
- A. A COMPANY FURNISHED MATERIAL AND EQUIPMENT IS IDENTIFIED ON THE RF DATA SHEET IN THE CONSTRUCTION DOCUMENTS.
- B. THE CONTRACTOR IS RESPONSIBLE FOR SPRINT PROVIDED MATERIAL AND EQUIPMENT AND UPON RECEIPT SHALL:
- ACCEPT DELIVERIES AS SHIPPED AND TAKE RECEIPT.
  - VERIFY COMPLETENESS AND CONDITION OF ALL DELIVERIES.
  - TAKE RESPONSIBILITY FOR EQUIPMENT AND PROVIDE INSURANCE PROTECTION AS REQUIRED IN AGREEMENT.
  - RECORD ANY DEFECTS OR DAMAGES AND WITHIN TWENTY-FOUR HOURS AFTER RECEIPT, REPORT TO SPRINT OR ITS DESIGNATED PROJECT REPRESENTATIVE OF SUCH.
  - PROVIDE SECURE AND NECESSARY WEATHER PROTECTED WAREHOUSING.
  - COORDINATE SAFE AND SECURE TRANSPORTATION OF MATERIAL AND EQUIPMENT, DELIVERING AND OFF-LOADING FROM CONTRACTOR'S WAREHOUSE TO SITE.
- 3.2 DELIVERABLES:
- A. COMPLETE SHIPPING AND RECEIPT DOCUMENTATION IN ACCORDANCE WITH COMPANY PRACTICE.
- B. IF APPLICABLE, COMPLETE LOST/STOLEN/DAMAGED DOCUMENTATION REPORT AS NECESSARY IN ACCORDANCE WITH COMPANY PRACTICE, AND AS DIRECTED BY COMPANY.
- C. UPLOAD DOCUMENTATION INTO SPRINT SITE MANAGEMENT SYSTEM (SMS) AND/OR PROVIDE HARD COPY DOCUMENTATION AS REQUESTED.

SECTION 01 300 – CELL SITE CONSTRUCTION CO.

PART 1 – GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
- A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
- B. SPRINT "STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES" ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 NOTICE TO PROCEED
- A. NO WORK SHALL COMMENCE PRIOR TO COMPANY'S WRITTEN NOTICE TO PROCEED AND THE ISSUANCE OF THE WORK ORDER.
- B. UPON RECEIVING NOTICE TO PROCEED, CONTRACTOR SHALL FULLY PERFORM ALL WORK NECESSARY TO PROVIDE SPRINT WITH AN OPERATIONAL WIRELESS FACILITY.

PART 2 – PRODUCTS (NOT USED)

PART 3 – EXECUTION

- 3.1 FUNCTIONAL REQUIREMENTS:
- A. THE ACTIVITIES DESCRIBED IN THIS PARAGRAPH REPRESENT MINIMUM ACTIONS AND PROCESSES REQUIRED TO SUCCESSFULLY COMPLETE THE WORK. THE ACTIVITIES DESCRIBED ARE NOT EXHAUSTIVE, AND CONTRACTOR SHALL TAKE ANY AND ALL ACTIONS AS NECESSARY TO SUCCESSFULLY COMPLETE THE CONSTRUCTION OF A FULLY FUNCTIONING WIRELESS FACILITY AT THE SITE IN ACCORDANCE WITH COMPANY PROCESSES.
- B. SUBMIT SPECIFIC DOCUMENTATION AS INDICATED HEREIN, AND OBTAIN REQUIRED APPROVALS WHILE THE WORK IS BEING PERFORMED.
- C. MANAGE AND CONDUCT ALL FIELD CONSTRUCTION SERVICE RELATED ACTIVITIES
- D. PROVIDE CONSTRUCTION ACTIVITIES TO THE EXTENT REQUIRED BY THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

PLANS PREPARED FOR:



PLANS PREPARED BY:



MLA PARTNER:



ENGINEERING LICENSE:



DRAWING NOTICE:

THESE DOCUMENTS ARE CONFIDENTIAL AND ARE THE SOLE PROPERTY OF SPRINT AND MAY NOT BE REPRODUCED, DISSEMINATED OR REDISTRIBUTED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPRINT.

REVISIONS:

| DESCRIPTION             | DATE     | BY  | REV |
|-------------------------|----------|-----|-----|
| ISSUED FOR CONSTRUCTION | 07/15/14 | DJG | 2   |
| ISSUED FOR PERMIT       | 07/10/14 | MAP | 1   |
| ISSUED FOR PERMIT       | 06/10/14 | DJG | 0   |
| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |

SITE NAME:

NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:

SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-1



CONTINUE FROM SP-1

1. PERFORM ANY REQUIRED SITE ENVIRONMENTAL MITIGATION.
2. PREPARE GROUND SITES; PROVIDE DE-GRUBBING; AND ROUGH AND FINAL GRADING, AND COMPOUND SURFACE TREATMENTS.
3. MANAGE AND CONDUCT ALL ACTIVITIES FOR INSTALLATION OF UTILITIES INCLUDING ELECTRICAL AND TELCO BACKHAUL.
4. INSTALL UNDERGROUND FACILITIES INCLUDING UNDERGROUND POWER AND COMMUNICATIONS CONDUITS, AND UNDERGROUND GROUNDING SYSTEM.
5. INSTALL ABOVE GROUND GROUNDING SYSTEMS.
6. PROVIDE NEW HVAC INSTALLATIONS AND MODIFICATIONS.
7. INSTALL "H-FRAMES", CABINETS AND SHELTERS AS INDICATED.
8. INSTALL ROADS, ACCESS WAYS, CURBS AND DRAINS AS INDICATED.
9. ACCOMPLISH REQUIRED MODIFICATION OF EXISTING FACILITIES.
10. PROVIDE ANTENNA SUPPORT STRUCTURE FOUNDATIONS.
11. PROVIDE SLABS AND EQUIPMENT PLATFORMS.
12. INSTALL COMPOUND FENCING, SIGHT SHIELDING, LANDSCAPING AND ACCESS BARRIERS.
13. PERFORM INSPECTION AND MATERIAL TESTING AS REQUIRED HEREINAFTER.
14. CONDUCT SITE RESISTANCE TO EARTH TESTING AS REQUIRED HEREINAFTER
15. INSTALL FIXED GENERATOR SETS AND OTHER STANDBY POWER SOLUTIONS.
16. INSTALL TOWERS, ANTENNA SUPPORT STRUCTURES AND PLATFORMS ON EXISTING TOWERS AS REQUIRED.
17. INSTALL CELL SITE RADIOS, MICROWAVE, GPS, COAXIAL MAINLINE, ANTENNAS, CROSS BAND COUPLERS, TOWER TOP AMPLIFIERS, LOW NOISE AMPLIFIERS AND RELATED EQUIPMENT.
18. PERFORM, DOCUMENT, AND CLOSE OUT ANY CONSTRUCTION CONTROL DOCUMENTS THAT MAY BE REQUIRED BY GOVERNMENT AGENCIES AND LANDLORDS.
19. PERFORM ANTENNAL AND COAX SWEEP TESTING AND MAKE ANY AND ALL NECESSARY CORRECTIONS.
20. REMAIN ON SITE MOBILIZED THROUGHOUT HAND-OFF AND INTEGRATION TO ASSIST AS NEEDED UNTIL SITE IS DEEMED SUBSTANTIALLY COMPLETE AND PLACED "ON AIR."

3.2 GENERAL REQUIREMENTS FOR CIVIL CONSTRUCTION:

- A. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH. AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS.
- B. EQUIPMENT ROOMS SHALL AT ALL TIMES BE MAINTAINED "BROOM CLEAN" AND CLEAR OF DEBRIS.
- C. CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO DISCOVER AND LOCATE ANY HAZARDOUS CONDITION.
1. IN THE EVENT CONTRACTOR ENCOUNTERS ANY HAZARDOUS CONDITION WHICH HAS NOT BEEN ABATED OR OTHERWISE MITIGATED, CONTRACTOR AND ALL OTHER PERSONS SHALL IMMEDIATELY STOP WORK IN THE AFFECTED AREA AND NOTIFY COMPANY IN WRITING. THE WORK IN THE AFFECTED AREA SHALL NOT BE RESUMED EXCEPT BY WRITTEN NOTIFICATION BY COMPANY.
  2. CONTRACTOR AGREES TO USE CARE WHILE ON THE SITE AND SHALL NOT TAKE ANY ACTION THAT WILL OR MAY RESULT IN OR CAUSE THE HAZARDOUS CONDITION TO BE FURTHER RELEASED IN THE ENVIRONMENT, OR TO FURTHER EXPOSE INDIVIDUALS TO THE HAZARD.
- D. CONTRACTOR'S ACTIVITIES SHALL BE RESTRICTED TO THE PROJECT LIMITS. SHOULD AREAS OUTSIDE THE PROJECT LIMITS BE AFFECTED BY CONTRACTOR'S ACTIVITIES, CONTRACTOR SHALL IMMEDIATELY RETURN THEM TO ORIGINAL CONDITION
- E. CONDUCT TESTING AS REQUIRED HEREIN.

3.3 DELIVERABLES:

- A. CONTRACTOR SHALL REVIEW, APPROVE, AND SUBMIT TO SPRINT SHOP DRAWINGS, PRODUCT DATA, SAMPLES, AND SIMILAR SUBMITTALS AS REQUIRED HEREINAFTER
- B. PROVIDE DOCUMENTATION INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING. DOCUMENTATION SHALL BE FORWARDED IN ORIGINAL FORMAT AND/OR UPLOADED INTO SMS.
1. ALL CORRESPONDENCE AND PRELIMINARY CONSTRUCTION REPORTS.
  2. PROJECT PROGRESS REPORTS.
  3. CIVIL CONSTRUCTION START DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
  4. ELECTRICAL SERVICE COMPLETION DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).

5. LINES AND ANTENNA INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
6. POWER INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
7. TELCO READY DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
8. PPC (OR SHELTER) INSTALL DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
9. TOWER CONSTRUCTION START DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
10. TOWER CONSTRUCTION COMPLETE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
11. BTS AND RADIO EQUIPMENT DELIVERED AT SITE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
12. NETWORK OPERATIONS HANDOFF CHECKLIST (HOC WALK) COMPLETE (UPLOAD FORM IN SMS)
13. CIVIL CONSTRUCTION COMPLETE DATE (POPULATE FIELD IN SMS AND/OR FORWARD NOTIFICATION).
14. SITE CONSTRUCTION PROGRESS PHOTOS UNLOADED INTO SMS.

SECTION 01 400 - SUBMITTALS & TESTS

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
- A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
- B. SPRINT 'STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES' ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.
- 1.3 SUBMITTALS:
- A. THE WORK IN ALL ASPECTS SHALL COMPLY WITH THE CONSTRUCTION DRAWINGS AND THESE SPECIFICATIONS.
- B. SUBMIT THE FOLLOWING TO COMPANY REPRESENTATIVE FOR APPROVAL
1. CONCRETE MIX-DESIGNS FOR TOWER FOUNDATIONS, ANCHORS PIERS, AND CONCRETE PAVING.
  2. CONCRETE BREAK TESTS AS SPECIFIED HEREIN.
  3. SPECIAL FINISHES FOR INTERIOR SPACES, IF ANY.
  4. ALL EQUIPMENT AND MATERIALS SO IDENTIFIED ON THE CONSTRUCTION DRAWINGS.
  5. CHEMICAL GROUNDING DESIGN
- D. ALTERNATES: AT THE COMPANY'S REQUEST, ANY ALTERNATIVES TO THE MATERIALS OR METHODS SPECIFIED SHALL BE SUBMITTED TO SPRINT'S CONSTRUCTION MANAGER FOR APPROVAL PRIOR TO BEING SHIPPED TO SITE. SPRINT WILL REVIEW AND APPROVE ONLY THOSE REQUESTS MADE IN WRITING. NO VERBAL APPROVALS WILL BE CONSIDERED. SUBMITTAL FOR APPROVAL SHALL INCLUDE A STATEMENT OF COST REDUCTION PROPOSED FOR USE OF ALTERNATE PRODUCT.

1.4 TESTS AND INSPECTIONS:

- A. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION TESTS, INSPECTIONS AND PROJECT DOCUMENTATION.
- B. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
1. COAX SWEEPS AND FIBER TESTS PER TS-0200 REV 4 ANTENNA LINE ACCEPTANCE STANDARDS.
  2. AGL, AZIMUTH AND DOWNTILT USING ELECTRONIC COMMERCIAL MADE-FOR-THE-PURPOSE ANTENNA ALIGNMENT TOOL
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
- C. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING;
1. AZIMUTH, DOWNTILT, AGL - UPLOAD REPORT FROM ANTENNA ALIGNMENT TOOL TO SITERRA TASK 465. INSTALLED AZIMUTH, DOWNTILT, AND AGL MUST CONFORM TO THE RF DATA SHEETS. SWEEP AND FIBER TESTS
  2. SCANABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
  3. ALL AVAILABLE JURISDICTIONAL INFORMATION
  4. PDF SCAN OF REDLINES PRODUCED IN FIELD

5. ELECTRONIC AS-BUILT DRAWINGS IN AUTOCAD AND PDF FORMATS. ANY FIELD CHANGE MUST BE REFLECTED BY MODIFYING THE PLANS, ELEVATIONS, AND DETAILS IN THE DRAWING SETS. GENERAL NOTES INDICATING MODIFICATIONS WILL NOT BE ACCEPTED. CHANGES SHALL BE HIGHLIGHTED AS "CLOUDS" IDENTIFIED AS THE "AS-BUILT" CONDITION.
6. LIEN WAIVERS
7. FINAL PAYMENT APPLICATION
8. REQUIRED FINAL CONSTRUCTION PHOTOS
9. CONSTRUCTION AND COMMISSIONING CHECKLIST COMPLETE WITH NO DEFICIENT ITEMS
10. ALL POST NTP TASKS INCLUDING DOCUMENT UPLOADS COMPLETED IN SITERRA (SPRINTS DOCUMENT REPOSITORY OF RECORD).

1.5 COMMISSIONING: PERFORM ALL COMMISSIONING AS REQUIRED BY APPLICABLE MOPs

1.6 INTEGRATION: PERFORM ALL INTEGRATION ACTIVITIES AS REQUIRED BY APPLICABLE MOPs

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

3.1 REQUIREMENTS FOR TESTING:

A. THIRD PARTY TESTING AGENCY:

1. WHEN THE USE OF A THIRD PARTY INDEPENDENT TESTING AGENCY IS REQUIRED, THE AGENCY THAT IS SELECTED MUST PERFORM SUCH WORK ON A REGULAR BASIS IN THE STATE WHERE THE PROJECT IS LOCATED AND HAVE A THOROUGH UNDERSTANDING OF LOCAL AVAILABLE MATERIALS, INCLUDING THE SOIL, ROCK, AND GROUNDWATER CONDITIONS.
2. THE THIRD PARTY TESTING AGENCY IS TO BE FAMILIAR WITH THE APPLICABLE REQUIREMENTS FOR THE TESTS TO BE DONE, EQUIPMENT TO BE USED, AND ASSOCIATED HEALTH AND SAFETY ISSUES.
3. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASJTO, AND OTHER METHODS IS NEEDED.
4. EXPERIENCE IN SOILS, CONCRETE, MASONRY, AGGREGATE, AND ASPHALT TESTING USING ASTM, AASJTO, AND OTHER METHODS IS NEEDED.

3.2 REQUIRED TESTS:

A. CONTRACTOR SHALL ACCOMPLISH TESTING INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. CONCRETE CYLINDER BREAK TESTS FOR THE TOWER AND ANCHOR FOUNDATIONS AS SPECIFIED IN SECTION: PORTLAND CEMENT CONCRETE PAVING.
2. ASPHALT ROADWAY COMPACTED THICKNESS, SURFACE SMOOTHNESS, AND COMPACTED DENSITY TESTING AS SPECIFIED IN SECTION: HOT MIX ASPHALT PAVING.
3. FIELD QUALITY CONTROL TESTING AS SPECIFIED IN SECTION: PORTLAND CEMENT CONCRETE PAVING.
4. TESTING REQUIRED UNDER SECTION: AGGREGATE BASE FOR ACCESS ROADS, PADS AND ANCHOR LOCATIONS
5. STRUCTURAL BACKFILL COMPACTION TESTS FOR THE TOWER FOUNDATION.
6. SITE RESISTANCE TO EARTH TESTING PER EXHIBIT: CELL SITE GROUNDING SYSTEM DESIGN.
7. ANTENNA AND COAX SWEEP TESTS PER EXHIBIT: ANTENNA TRANSMISSION LINE ACCEPTANCE STANDARDS.
8. GROUNDING AT ANTENNA MASTS FOR GPS AND ANTENNAS
9. ALL OTHER TESTS REQUIRED BY COMPANY OR JURISDICTION.

3.3 REQUIRED INSPECTIONS

A. SCHEDULE INSPECTIONS WITH COMPANY REPRESENTATIVE.

B. CONDUCT INSPECTIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1. GROUNDING SYSTEM INSTALLATION PRIOR TO EARTH CONCEALMENT DOCUMENTED WITH DIGITAL PHOTOGRAPHS BY CONTRACTOR, APPROVED BY A&E OR SPRINT REPRESENTATIVE.
2. FORMING FOR CONCRETE AND REBAR PLACEMENT PRIOR TO POUR DOCUMENTED WITH DIGITAL PHOTOGRAPHS BY CONTRACTOR, APPROVED BY A&E OR SPRINT REPRESENTATIVE.
3. COMPACTION OF BACKFILL MATERIALS; AGGREGATE BASE FOR ROADS, PADS, AND ANCHORS; ASPHALT PAVING; AND SHAFT BACKFILL FOR CONCRETE AND WOOD POLES, BY INDEPENDENT THIRD PARTY AGENCY.
4. PRE- AND POST-CONSTRUCTION ROOFTOP AND STRUCTURAL INSPECTIONS ON EXISTING FACILITIES.
5. TOWER ERECTION SECTION STACKING AND PLATFORM ATTACHMENT DOCUMENTED BY DIGITAL PHOTOGRAPHS BY THIRD PARTY AGENCY.
6. ANTENNA AZIMUTH , DOWN TILT AND PER SUNLIGHT TOOL SUNSIGHT INSTRUMENTS - ANTENNALIGN ALIGNMENT TOOL (AAT)

PLANS PREPARED FOR:



PLANS PREPARED BY:



MLA PARTNER:



ENGINEERING LICENSE:



DRAWING NOTICE:

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REVISIONS:

| DESCRIPTION             | DATE     | BY  | REV |
|-------------------------|----------|-----|-----|
| ISSUED FOR CONSTRUCTION | 07/15/14 | DJG | 2   |
| ISSUED FOR PERMIT       | 07/10/14 | MAP | 1   |
| ISSUED FOR PERMIT       | 06/10/14 | DJG | 0   |
| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |

SITE NAME:

NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:

SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-2



CONTINUE FROM SP--2

7. VERIFICATION DOCUMENTED WITH THE ANTENNA CHECKLIST REPORT, BY A&E, SITE DEVELOPMENT REP, OR RF REP.
8. FINAL INSPECTION CHECKLIST AND HANDOFF WALK (HOC). SIGNED FORM SHOWING ACCEPTANCE BY FIELD OPS IS TO BE UPLOADED INTO SMS.
9. COAX SWEEP AND FIBER TESTING DOCUMENTS SUBMITTED VIA SMS FOR RF APPROVAL.
10. SCAN-ABLE BARCODE PHOTOGRAPHS OF TOWER TOP AND INACCESSIBLE SERIALIZED EQUIPMENT
11. ALL AVAILABLE JURISDICTIONAL INFORMATION
12. PDF SCAN OF REDLINES PRODUCED IN FIELD
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO ANY WORK IDENTIFIED AS UNACCEPTABLE IN SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING.
- D. CONSTRUCTION INSPECTIONS AND CORRECTIVE MEASURES SHALL BE DOCUMENTED BY THE CONTRACTOR WITH WRITTEN REPORTS AND PHOTOGRAPHS. PHOTOGRAPHS MUST BE DIGITAL AND OF SUFFICIENT QUALITY TO CLEARLY SHOW THE SITE CONSTRUCTION. PHOTOGRAPHS MUST CLEARLY IDENTIFY THE PHOTOGRAPHED ITEM AND BE LABELED WITH THE SITE CASCADE NUMBER, SITE NAME, DESCRIPTION, AND DATE.
- 3.4 DELIVERABLES: TEST AND INSPECTION REPORTS AND CLOSEOUT DOCUMENTATION SHALL BE UPLOADED TO THE SMS AND/OR FORWARDED TO SPRINT FOR INCLUSION INTO THE PERMANENT SITE FILES.
- A. THE FOLLOWING TEST AND INSPECTION REPORTS SHALL BE PROVIDED AS APPLICABLE.
1. CONCRETE MIX AND CYLINDER BREAK REPORTS.
  2. STRUCTURAL BACKFILL COMPACTION REPORTS.
  3. SITE RESISTANCE TO EARTH TEST.
  4. ANTENNA AZIMUTH AND DOWN TILT VERIFICATION
  5. TOWER ERECTION INSPECTIONS AND MEASUREMENTS DOCUMENTING TOWER INSTALLED PER SUPPLIER'S REQUIREMENTS AND THE APPLICABLE SECTIONS HEREIN.
  6. COAX CABLE SWEEP TESTS PER COMPANY'S "ANTENNA LINE ACCEPTANCE STANDARDS".
- B. REQUIRED CLOSEOUT DOCUMENTATION INCLUDES THE FOLLOWING;
1. TEST WELLS AND TRENCHES: PHOTOGRAPHS OF ALL TEST WELLS; PHOTOGRAPHS SHOWING ALL OPEN EXCAVATIONS AND TRENCHING PRIOR TO BACKFILLING SHOWING A TAPE MEASURE VISIBLE IN THE EXCAVATIONS INDICATING DEPTH.
  2. CONDUITS, CONDUCTORS AND GROUNDING: PHOTOGRAPHS SHOWING TYPICAL INSTALLATION OF CONDUCTORS AND CONNECTORS; PHOTOGRAPHS SHOWING TYPICAL BEND RADIUS OF INSTALLED GROUND WIRES AND GROUND ROD SPACING;
  3. CONCRETE FORMS AND REINFORCING: CONCRETE FORMING AT TOWER AND EQUIPMENT/SHELTER PAD/FOUNDATIONS - PHOTOGRAPHS SHOWING ALL REINFORCING STEEL, UTILITY AND CONDUIT STUB OUTS; PHOTOGRAPHS SHOWING CONCRETE POUR OF SHELTER SLAB/FOUNDATION, TOWER FOUNDATION AND GUY ANCHORS WITH VIBRATOR IN USE; PHOTOGRAPHS SHOWING EACH ANCHOR ON GUYED TOWERS, BEFORE CONCRETE POUR.
  4. TOWER, ANTENNAS AND MAINLINE: INSPECTION AND PHOTOGRAPHS OF SECTION STACKING; INSPECTION AND PHOTOGRAPHS OF PLATFORM COMPONENT ATTACHMENT POINTS; PHOTOGRAPHS OF TOWER TOP GROUNDING; PHOTOS OF TOWER COAX LINE COLOR CODING AT THE TOP AND AT GROUND LEVEL; INSPECTION AND PHOTOGRAPHS OF OPERATIONAL OF TOWER LIGHTING, AND PLACEMENT OF FAA REGISTRATION SIGN; PHOTOGRAPHS SHOWING ADDITIONAL GROUNDING POINTS FOR TOWERS GREATER THAN 200 FEET.; PHOTOS OF ANTENNA GROUND BAR, EQUIPMENT GROUND BAR, AND MASTER GROUND BAR; PHOTOS OF GPS ANTENNA(S); PHOTOS OF EACH SECTOR OF ANTENNAS; ONE PHOTOGRAPH LOOKING AT THE SECTOR AND ONE FROM BEHIND SHOWING THE PROJECTED COVERAGE AREA; PHOTOS OF COAX WEATHERPROOFING - TOP AND BOTTOM; PHOTOS OF COAX GROUNDING--TOP AND BOTTOM; PHOTOS OF ANTENNA AND MAST GROUNDING; PHOTOS OF COAX CABLE ENTRY INTO SHELTER; PHOTOS OF PLATFORM MECHANICAL CONNECTIONS TO TOWER/MONOPOLE.
  5. ROOF TOPS: PRE-CONSTRUCTION AND POST-CONSTRUCTION VISUAL INSPECTION AND PHOTOGRAPHS OF THE ROOF AND INTERIOR TO DETERMINE AND DOCUMENT CONDITIONS; ROOF TOP CONSTRUCTION INSPECTIONS AS REQUIRED BY THE JURISDICTION; PHOTOGRAPHS OF CABLE TRAY AND/OR ICE BRIDGE; PHOTOGRAPHS OF DOGHOUSE/CABLE EXIT FROM ROOF;
  6. SITE LAYOUT - PHOTOGRAPHS OF THE OVERALL COMPOUND, INCLUDING EQUIPMENT PLATFORM FROM ALL FOUR CORNERS.
  7. FINISHED UTILITIES: CLOSE-UP PHOTOGRAPHS OF THE PPC BREAKER PANEL; CLOSE-UP PHOTOGRAPH OF THE INSIDE OF THE TELCO PANEL AND NIU; CLOSE-UP PHOTOGRAPH OF THE POWER METER AND DISCONNECT; PHOTOS OF POWER AND TELCO ENTRANCE TO COMPANY ENCLOSURE; PHOTOGRAPHS AT METER BOX AND/OR FACILITY DISTRIBUTION PANEL.
  8. REQUIRED MATERIALS CERTIFICATIONS: CONCRETE MIX DESIGNS; MILL CERTIFICATION FOR ALL REINFORCING AND STRUCTURAL STEEL; AND ASPHALT PAVING MIX DESIGN.
  9. ANY AND ALL SUBMITTALS BY THE JURISDICTION OR COMPANY.

SECTION 01 400 - SUBMITTALS & TESTS

PART 1 - GENERAL

- 1.1 THE WORK: THESE STANDARD CONSTRUCTION SPECIFICATIONS IN CONJUNCTION WITH THE OTHER CONTRACT DOCUMENTS AND THE CONSTRUCTION DRAWINGS DESCRIBE THE WORK TO BE PERFORMED BY THE CONTRACTOR.
- 1.2 RELATED DOCUMENTS:
- A. THE REQUIREMENTS OF THIS SECTION APPLY TO ALL SECTIONS IN THIS SPECIFICATION.
- B. SPRINT STANDARD CONSTRUCTION DETAILS FOR WIRELESS SITES ARE INCLUDED IN AND MADE A PART OF THESE SPECIFICATIONS HEREWITH.

PART 2 - PRODUCTS (NOT USED)

PART 3 - EXECUTION

- 3.1 WEEKLY REPORTS:
- A. CONTRACTOR SHALL PROVIDE SPRINT WITH WEEKLY REPORTS SHOWING PROJECT STATUS. THIS STATUS REPORT FORMAT WILL BE PROVIDED TO THE CONTRACTOR BY SPRINT. THE REPORT WILL CONTAIN SITE ID NUMBER, THE MILESTONES FOR EACH SITE, INCLUDING THE BASELINE DATE, ESTIMATED COMPLETION DATE AND ACTUAL COMPLETION DATE.
- B. REPORT INFORMATION WILL BE TRANSMITTED TO SPRINT VIA ELECTRONIC MEANS AS REQUIRED. THIS INFORMATION WILL PROVIDE A BASIS FOR PROGRESS MONITORING AND PAYMENT.
- 3.2 PROJECT CONFERENCE CALLS:
- A. SPRINT MAY HOLD WEEKLY PROJECT CONFERENCE CALLS. CONTRACTOR WILL BE REQUIRED TO COMMUNICATE SITE STATUS, MILESTONE COMPLETIONS AND UPCOMING MILESTONE PROJECTIONS, AND ANSWER ANY OTHER SITE STATUS QUESTIONS AS NECESSARY.
- 3.3 PROJECT TRACKING IN SMS:
- A. CONTRACTOR SHALL PROVIDE SCHEDULE UPDATES AND PROJECTIONS IN THE SMS SYSTEM ON A WEEKLY BASIS.
- 3.4 ADDITIONAL REPORTING:
- A. ADDITIONAL OR ALTERNATE REPORTING REQUIREMENTS MAY BE ADDED TO THE REPORT AS DETERMINED TO BE REASONABLY NECESSARY BY COMPANY.
- 3.5 PROJECT PHOTOGRAPHS:
- A. FILE DIGITAL PHOTOGRAPHS OF COMPLETED SITE IN JPEG FORMAT IN THE SMS PHOTO LIBRARY FOR THE RESPECTIVE SITE. PHOTOGRAPHS SHALL BE CLEARLY LABELED WITH SITE NUMBER, NAME AND DESCRIPTION, AND SHALL INCLUDE AT A MINIMUM THE FOLLOWING AS APPLICABLE:
1. SHELTER AND TOWER OVERVIEW.
  2. TOWER FOUNDATION(S) - FORMS AND STEEL BEFORE POUR (EACH ANCHOR ON GUYED TOWERS).
  3. TOWER FOUNDATION(S) POUR WITH VIBRATOR IN USE (EACH ANCHOR ON GUYED TOWERS).
  4. TOWER STEEL AS BEING INSTALLED INTO HOLE (SHOW ANCHOR STEEL ON GUYED TOWERS).
  5. PHOTOS OF TOWER SECTION STACKING.
  6. CONCRETE TESTING / SAMPLES.
  7. PLACING OF ANCHOR BOLTS IN TOWER FOUNDATION.
  8. BUILDING/WATER TANK FROM ROAD FOR TENANT IMPROVEMENTS OR COMMENTS.
  9. SHELTER FOUNDATION--FORMS AND STEEL BEFORE POURING.
  10. SHELTER FOUNDATION POUR WITH VIBRATOR IN USE.
  11. COAX CABLE ENTRY INTO SHELTER.
  12. PLATFORM MECHANICAL CONNECTIONS TO TOWER/MONOPOLE.
  13. ROOFTOP PRE AND POST CONSTRUCTION PHOTOS TO INCLUDE PENETRATIONS AND INTERIOR CEILING.
  14. PHOTOS OF TOWER TOP COAX LINE COLOR CODING AND COLOR CODING AT GROUND LEVEL.
  15. PHOTOS OF ALL APPROPRIATE COMPANY OR REGULATORY SIGNAGE.
  16. PHOTOS OF EQUIPMENT BOLT DOWN INSIDE SHELTER.
  17. POWER AND TELCO ENTRANCE TO COMPANY ENCLOSURE AND POWER AND TELCO SUPPLY LOCATIONS INCLUDING METER/DISCONNECT.
  18. ELECTRICAL TRENCH(S) WITH ELECTRICAL / CONDUIT BEFORE BACKFILL.
  19. ELECTRICAL TRENCH(S) WITH FOIL-BACKED TAPE BEFORE FURTHER BACKFILL.
  20. TELCO TRENCH WITH TELEPHONE / CONDUIT BEFORE BACKFILL.
  21. TELCO TRENCH WITH FOIL-BACKED TAPE BEFORE FURTHER BACKFILL.
  22. SHELTER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).
  23. TOWER GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).

24. FENCE GROUND-RING TRENCH WITH GROUND-WIRE BEFORE BACKFILL (SHOW ALL CAD WELDS AND BEND RADII).
25. ALL BTS GROUND CONNECTIONS.
26. ALL GROUND TEST WELLS.
27. ANTENNA GROUND BAR AND EQUIPMENT GROUND BAR.
28. ADDITIONAL GROUNDING POINTS ON TOWERS ABOVE 200'.
29. HVAC UNITS INCLUDING CONDENSERS ON SPLIT SYSTEMS.
30. GPS ANTENNAS.
31. CABLE TRAY AND/OR WAVEGUIDE BRIDGE.
32. DOGHOUSE/CABLE EXIT FROM ROOF.
33. EACH SECTOR OF ANTENNAS; ONE PHOTOGRAPH LOOKING AT THE SECTOR AND ONE FROM BEHIND SHOWING THE PROJECTED COVERAGE AREA.
34. MASTER BUS BAR.
35. TELCO BOARD AND NIU.
36. ELECTRICAL DISTRIBUTION WALL.
37. CABLE ENTRY WITH SURGE SUPPRESSION.
38. ENTRANCE TO EQUIPMENT ROOM.
39. COAX WEATHERPROOFING--TOP AND BOTTOM OF TOWER.
40. COAX GROUNDING -TOP AND BOTTOM OF TOWER.
41. ANTENNA AND MAST GROUNDING.
42. LANDSCAPING - WHERE APPLICABLE.
- 3.6 FINAL PROJECT ACCEPTANCE: COMPLETE ALL REQUIRED REPORTING TASKS PER CONTRACT, CONTRACT DOCUMENTS OR THE SPRINT INTEGRATED CONSTRUCTION STANDARDS FOR WIRELESS SITES AND UPLOAD INTO SITERRA.

PLANS PREPARED FOR:

**Sprint**  
6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:

**INFINIGY** Design. Build. Deliver.  
1033 Watervliet Shaker Rd  
Albany, NY 12205  
Office # (518) 690-0790  
Fax # (518) 690-0793  
JOB NUMBER 340-000

MLA PARTNER:

**AMERICAN TOWER CORPORATION**  
10 PRESIDENTIAL WAY  
WOBBURN, MA 01801

ENGINEERING LICENSE:



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REVISIONS:

| DESCRIPTION             | DATE     | BY  | REV |
|-------------------------|----------|-----|-----|
| ISSUED FOR CONSTRUCTION | 07/15/14 | DJG | 2   |
| ISSUED FOR PERMIT       | 07/10/14 | HAP | 1   |
| ISSUED FOR PERMIT       | 06/10/14 | DJG | 0   |
| ISSUED FOR REVIEW       | 05/27/14 | HAP | A   |

SITE NAME:

NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

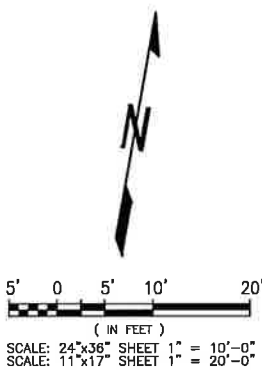
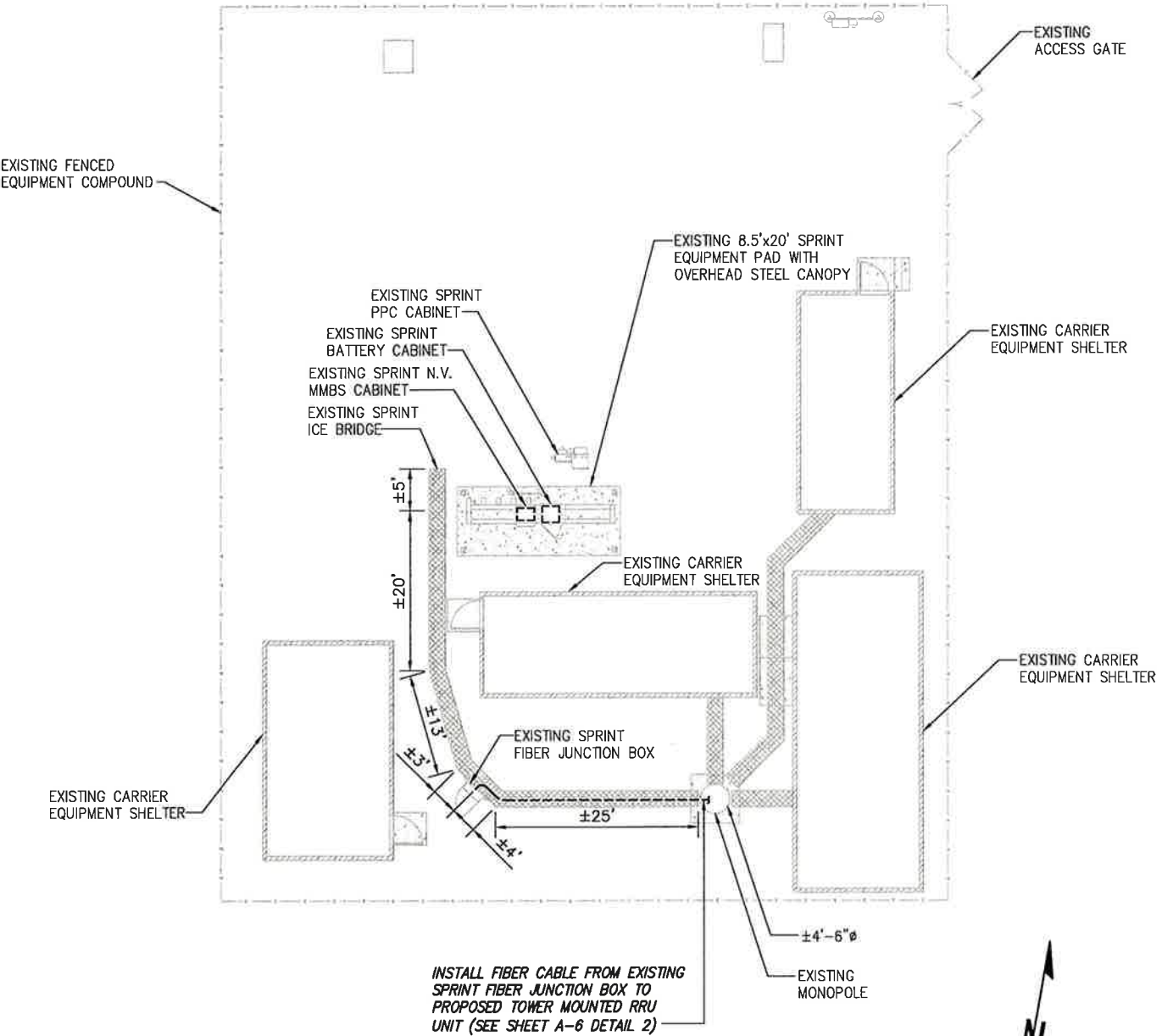
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SPRINT SPECIFICATIONS

SHEET NUMBER:

SP-3

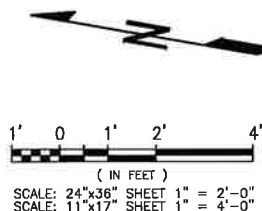
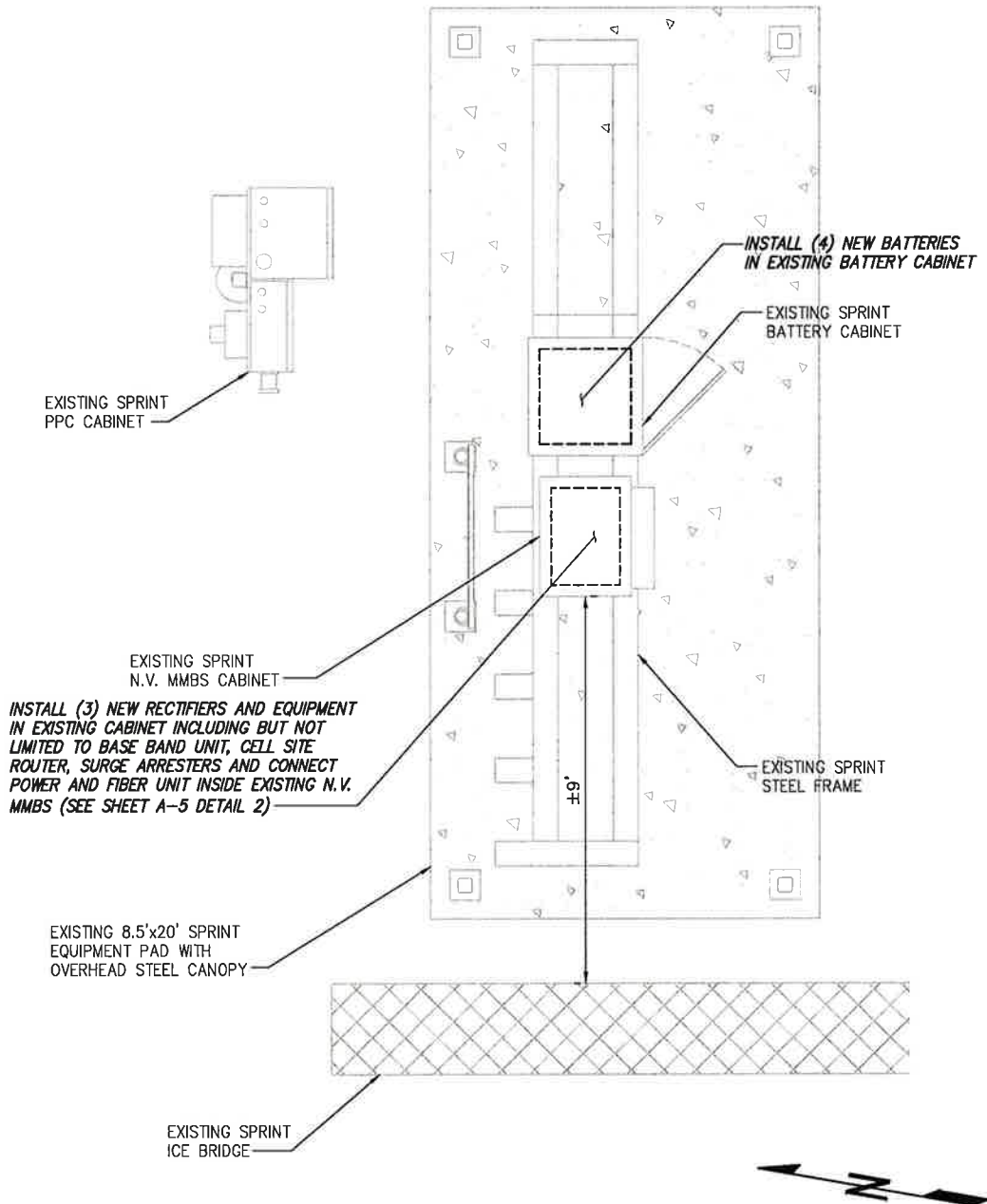
INFORMATION CONTAINED WITHIN DRAWINGS  
ARE BASED ON PROVIDED INFORMATION AND  
ARE NOT THE RESULT OF A FIELD SURVEY.



OVERALL SITE PLAN

SCALE: AS NOTED

1



SPRINT EQUIPMENT PLAN

SCALE: AS NOTED

2

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ENGINEERING LICENSE:

STATE OF CONNECTICUT  
JOHN S. STEVENS  
No. 24705  
LICENSED PROFESSIONAL ENGINEER

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| ISSUED FOR PERMIT       | 06/10/14 | DJG | 0   |
| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |

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SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

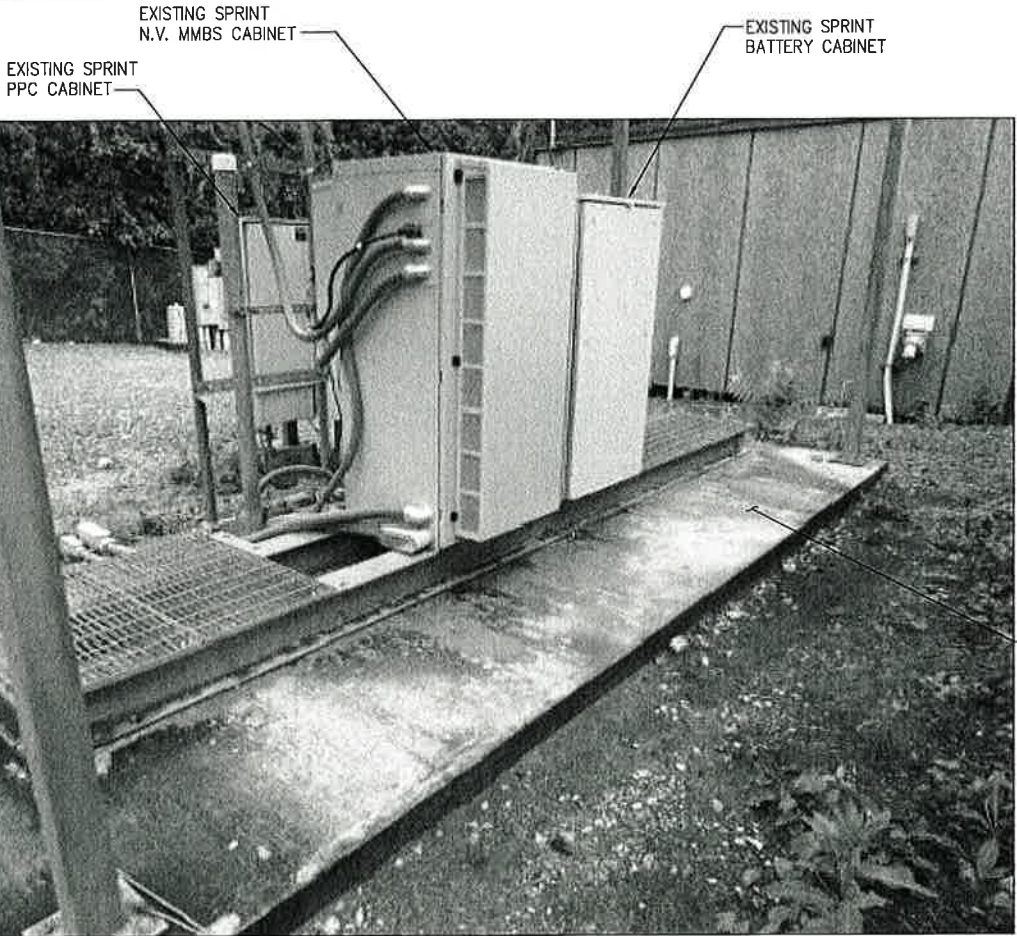
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SITE PLAN

SHEET NUMBER:

A-1

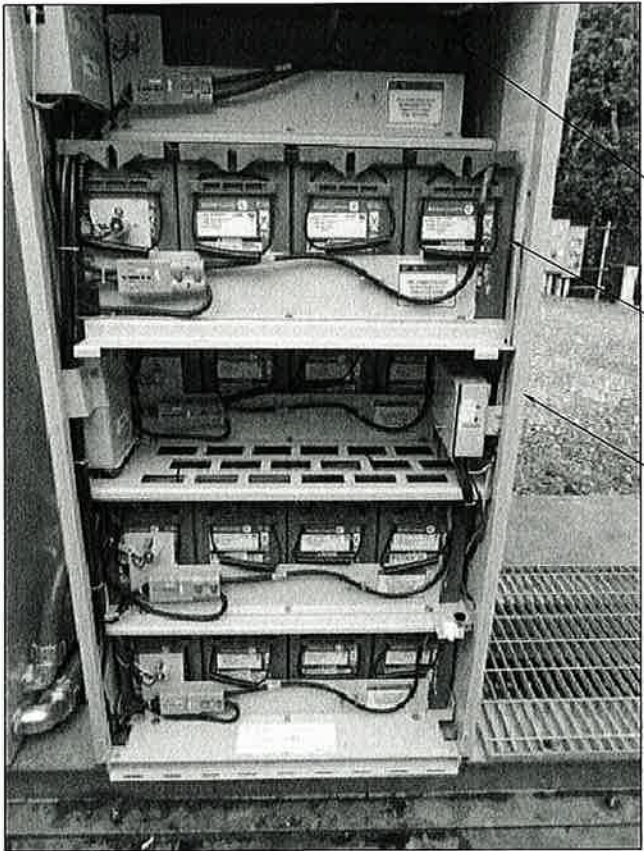




EXISTING CABINET LINE-UP

SCALE: AS NOTED

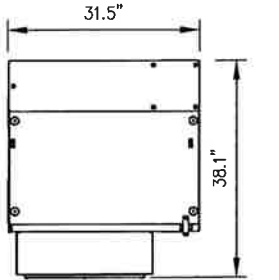
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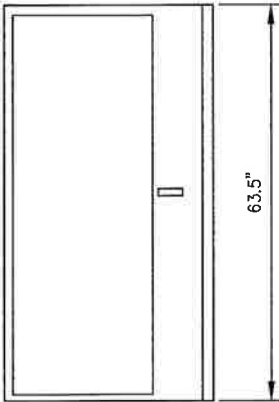
EXISTING BATTERY CABINET

SCALE: AS NOTED

2



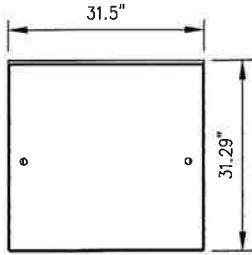
TOP VIEW



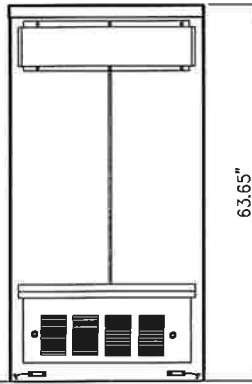
FRONT VIEW

MANUFACTURER: ALU  
MODEL: 9927

N.V. MMBS CABINET



TOP VIEW



REAR VIEW

MANUFACTURER: AVAYA  
MODEL: 60ECV2

BATTERY CABINET

INFORMATION CONTAINED WITHIN DRAWINGS  
ARE BASED ON N.V. INFORMATION AND ARE  
NOT THE RESULT OF A FIELD SURVEY.

EXISTING CABINET DETAILS

SCALE: AS NOTED

3

PLANS PREPARED FOR:

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Overland Park, Kansas 66251

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Build.  
Deliver.

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**AMERICAN  
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| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |

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NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:

EXISTING EQUIPMENT  
DETAILS

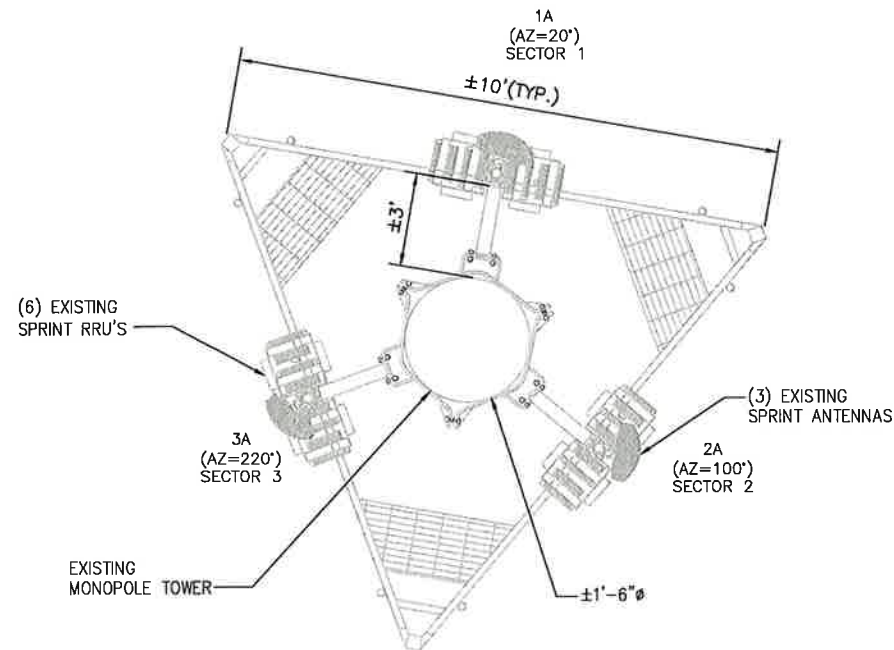
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A-2



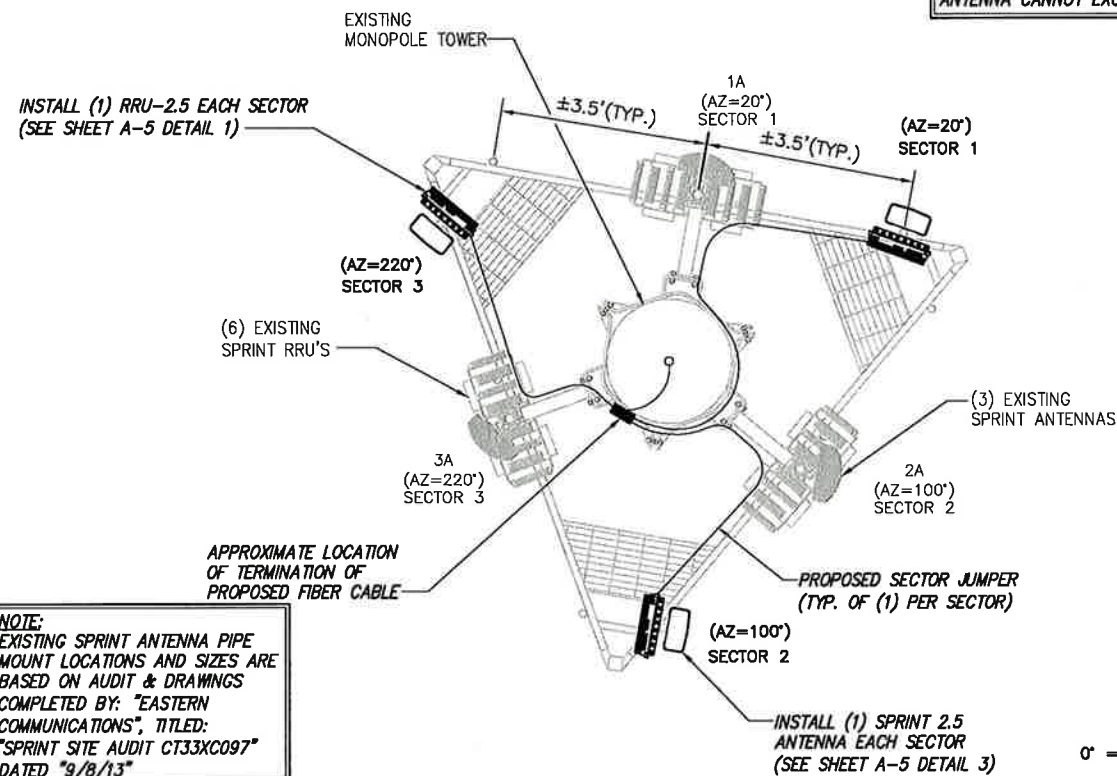


0° = TRUE NORTH

EXISTING ANTENNA & RRU LAYOUT

NO SCALE

1

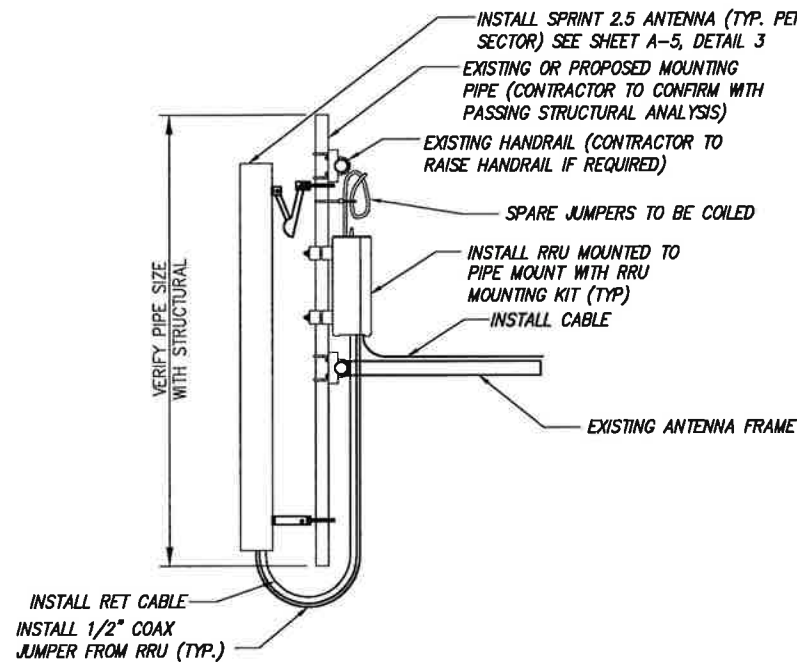


0° = TRUE NORTH

FINAL ANTENNA LAYOUT

NO SCALE

2



**NOTES:**

1. CUT DC CONDUCTORS TO LENGTH.
2. COIL FIBER CABLE AND SECURE AT SIDE OF RRU.
3. DO NOT EXCEED BEND RADIUS.

**NOTE:**  
EXISTING SPRINT ANTENNA PIPE MOUNT LOCATIONS AND SIZES ARE BASED ON AUDIT & DRAWINGS COMPLETED BY: "EASTERN COMMUNICATIONS", TITLED: "SPRINT SITE AUDIT CT33XC097" DATED "9/8/13"

**NOTE:**  
CONTRACTOR TO POSITION RRU ON MOUNT BEHIND ANTENNA SUCH THAT THE RRU DOES NOT INTERFERE WITH THE EXISTING PLATFORM/T-ARM MOUNTING HARDWARE.

**NOTE:**  
SPARE DC CABLES ARE COILED UP ON NV RRHS AT SPRINT ARRAY. THESE ARE TO BE USED TO POWER UP THE 2.5 RRHS AND TIED INTO EXISTING DC BREAKERS INSIDE THE FIBER JUNCTION BOX LOCATED AT EQUIPMENT.

**NOTE:**  
THE DIAGRAM IS FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR IS TO REFER TO PASSING STRUCTURAL ANALYSIS FOR ANTENNA AND RRU MOUNTING DETAILS

DETAIL NOT USED

NO SCALE

3

TYPICAL ANTENNA & RRU MOUNTING DETAILS

NO SCALE

4

THE CONFIGURATION PLANS ARE BASED ON PROVIDED INFORMATION AND ARE FOR CONCEPTUAL PURPOSES ONLY. CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO CONSTRUCTION.

**NOTE:**  
JUMPERS FROM 2.5 RRH TO THE 2.5 ANTENNA CANNOT EXCEED 15 FEET

PLANS PREPARED FOR:

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| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |

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NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:

ANTENNA LAYOUT  
& MOUNTING DETAILS

SHEET NUMBER:

A-3

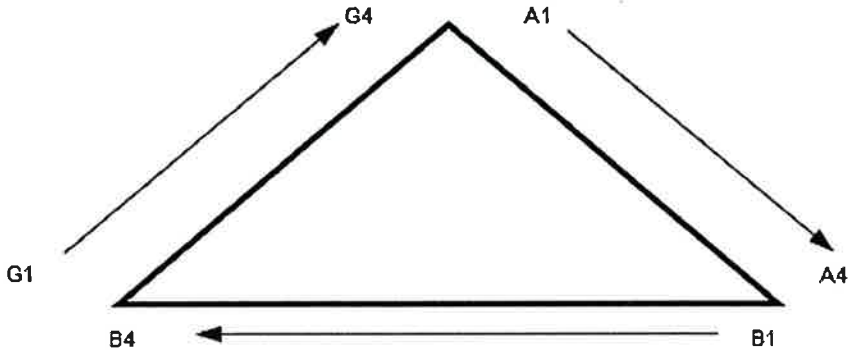


| NV CABLES |           |      |       |
|-----------|-----------|------|-------|
| BAND      | INDICATOR | PORT | COLOR |
| 800-1     | YEL GRN   | NV-1 | GRN   |
| 1900-1    | YEL RED   | NV-2 | BLU   |
| 1900-2    | YEL BRN   | NV-3 | BRN   |
| 1900-3    | YEL BLU   | NV-4 | WHT   |
| 1900-4    | YEL SLT   | NV-5 | RED   |
| 800-2     | YEL ORG   | NV-6 | SLT   |
| SPARE     | YEL WHT   | NV-7 | PPL   |
| 2500      | YEL PPL   | NV-8 | ORG   |

| HYBRID |       |
|--------|-------|
| HYBRID | COLOR |
| 1      | GRN   |
| 2      | BLU   |
| 3      | BRN   |
| 4      | WHT   |
| 5      | RED   |
| 6      | SLT   |
| 7      | PPL   |
| 8      | ORG   |

| 2.5 Band     |       |
|--------------|-------|
| 2500 Radio 1 | COLOR |
| YEL WHT      | GRN   |
| YEL WHT      | BLU   |
| YEL WHT      | BRN   |
| YEL WHT      | WHT   |
| YEL WHT      | RED   |
| YEL WHT      | SLT   |
| YEL WHT      | PPL   |
| YEL WHT      | ORG   |

Figure 1: Antenna Orientation



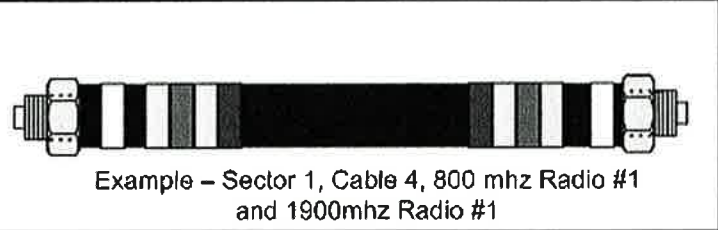
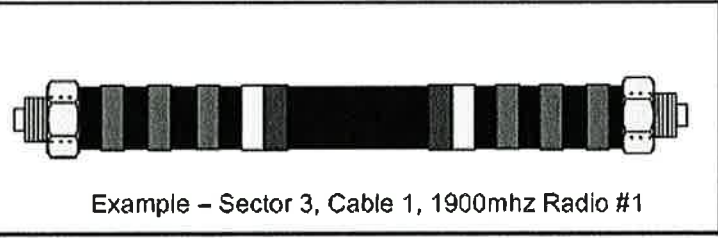
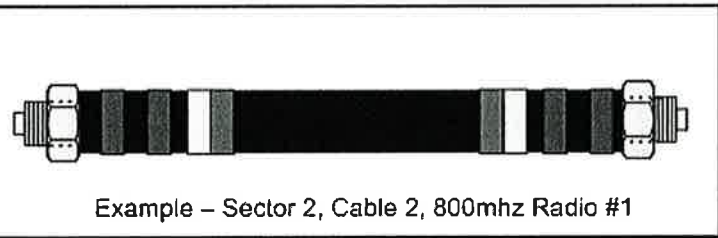
NOTES:

- ALL CABLES SHALL BE MARKED WITH 2" WIDE, UV STABILIZED, UL APPROVED TAPE.
- THE FIRST RING SHALL BE CLOSEST TO THE END OF THE CABLE AND SPACED APPROXIMATELY 2" FROM THE END CONNECTOR, WEATHERPROOFING, OR BREAK-OUT CYLINDER. THERE SHALL BE A 1" SPACE BETWEEN EACH RING FOR THE CABLE IDENTIFIER, AND NO SPACES BETWEEN THE FREQUENCY BANDS.
- A 2" GAP SHALL SEPARATE THE CABLE COLOR CODE FROM THE FREQUENCY COLOR CODE. THE 2" COLOR RINGS FOR THE FREQUENCY CODE SHALL BE PLACED NEXT TO EACH OTHER WITH NO SPACES.
- THE 2" COLORED TAPE(S) SHALL EACH BE WRAPPED A MINIMUM OF 3 TIMES AROUND THE INDIVIDUAL CABLES, AND THE TAPE SHALL BE KEPT IN THE SAME LOCATION AS MUCH AS POSSIBLE.
- SITES WITH MORE THAN FOUR (4) SECTORS WILL REQUIRE ADDITIONAL RINGS FOR EACH SECTOR, FOLLOWING THE PATTERN. HIGH CAPACITY SITES WILL USE THE NEXT COLOR IN THE SEQUENCE FOR ADDITIONAL CABLES IN EACH SECTOR.
- HYBRID FIBER CABLE SHALL BE SECTOR IDENTIFIED INSIDE THE CABINET ON FREQUENCY BUNDLES, ON THE SEALTITE, ON THE MAIN LINE UPON EXIT OF SEALTITE, AND BEFORE AND AFTER THE BREAKOUT UNIT (MEDUSA), AS WELL AS BEFORE AND AFTER ANY ENTRANCE OR EXIT.
- HFC "MAIN TRUNK" WILL NOT BE MARKED WITH THE FREQUENCY CODES, AS IT CONTAINS ALL FREQUENCIES.
- INDIVIDUAL POWER PAIRS AND FIBER BUNDLES SHALL BE LABELED WITH BOTH THE CABLE AND FREQUENCY.

| Sector  | Cable | First Ring | Second Ring | Third Ring |
|---------|-------|------------|-------------|------------|
| 1 Alpha | 1     | Green      | No Tape     | No Tape    |
|         | 2     | White      | No Tape     | No Tape    |
|         | 3     | Brown      | No Tape     | No Tape    |
|         | 4     | White      | No Tape     | No Tape    |
|         | 5     | Red        | No Tape     | No Tape    |
|         | 6     | Grey       | No Tape     | No Tape    |
|         | 7     | Purple     | No Tape     | No Tape    |
|         | 8     | Orange     | No Tape     | No Tape    |
| 2 Beta  | 1     | Green      | Green       | No Tape    |
|         | 2     | White      | White       | No Tape    |
|         | 3     | Brown      | Brown       | No Tape    |
|         | 4     | White      | White       | No Tape    |
|         | 5     | Red        | Red         | No Tape    |
|         | 6     | Grey       | Grey        | No Tape    |
|         | 7     | Purple     | Purple      | No Tape    |
|         | 8     | Orange     | Orange      | No Tape    |
| 3 Gamma | 1     | Green      | Green       | Green      |
|         | 2     | White      | White       | White      |
|         | 3     | Brown      | Brown       | Brown      |
|         | 4     | White      | White       | White      |
|         | 5     | Red        | Red         | Red        |
|         | 6     | Grey       | Grey        | Grey       |
|         | 7     | Purple     | Purple      | Purple     |
|         | 8     | Orange     | Orange      | Orange     |

| NV FREQUENCY | INDICATOR | ID  |
|--------------|-----------|-----|
| 800-1        | YEL       | GRN |
| 1900-1       | YEL       | RED |
| 1900-2       | YEL       | BRN |
| 1900-3       | YEL       | BLU |
| 1900-4       | YEL       | SLT |
| 800-1        | YEL       | ORG |
| RESERVED     | YEL       | WHT |
| RESERVED     | YEL       | PPL |

| 2.5 FREQUENCY | INDICATOR |     | ID  |
|---------------|-----------|-----|-----|
| 2500 -1       | YEL       | WHT | GRN |
| 2500 -2       | YEL       | WHT | RED |
| 2500 -3       | YEL       | WHT | BRN |
| 2500 -4       | YEL       | WHT | BLU |
| 2500 -5       | YEL       | WHT | SLT |
| 2500 -6       | YEL       | WHT | ORG |
| 2500 -7       | YEL       | WHT | WHT |
| 2500 -8       | YEL       | WHT | PPL |



PLANS PREPARED FOR:

**Sprint**

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PLANS PREPARED BY:

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|-------------------------|----------|--------|-----|
| DESCRIPTION             | DATE     | BY     | REV |
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| ISSUED FOR PERMIT       | 07/10/14 | MAP    | 1   |
| ISSUED FOR PERMIT       | 06/10/14 | D.J.G. | 0   |
| ISSUED FOR REVIEW       | 05/27/14 | MAP    | A   |

SITE NAME:

NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:

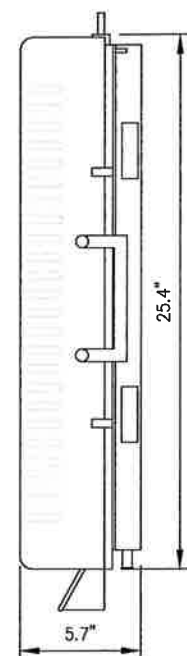
COLOR CODING AND NOTES

SHEET NUMBER:

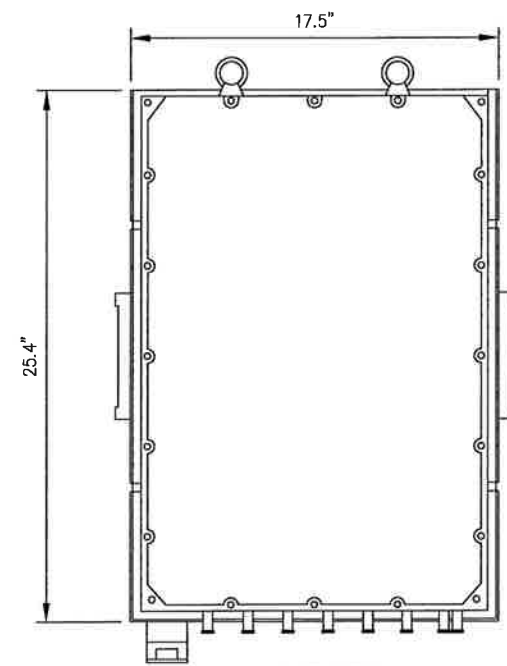
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RRU: ALCATEL LUCENT TD-RRH8X20

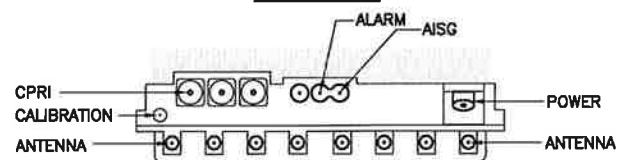
COLOR: LIGHT GREY  
WEIGHT: 70 LBS.



SIDE VIEW



FRONT VIEW



PLAN VIEW

**NOTES**  
COMPLY WITH MANUFACTURERS INSTRUCTIONS TO ENSURE THAT ALL RRU'S RECEIVE ELECTRICAL POWER WITHIN 24 HOURS OF BEING REMOVED FROM THE MANUFACTURER'S PACKAGING. DO NOT OPEN RRU PACKAGES IN THE RAIN.

2.5 RRU

NO SCALE

1

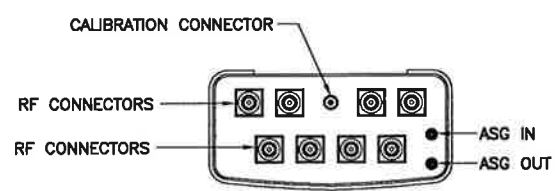
NEW EQUIPMENT IN EXISTING CABINET

NO SCALE

2

ANTENNA: RFS APXVTM14-C-120

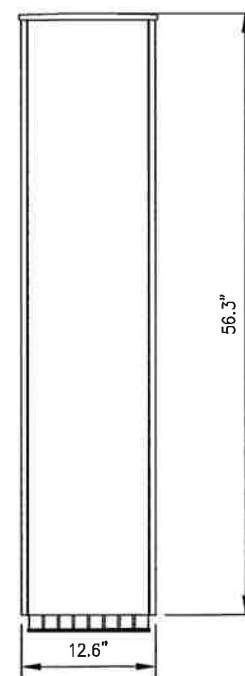
RADOME MATERIAL: ASA  
RADOME COLOR: LIGHT GREY  
DIMENSIONS, HxWxD.in(mim): 56.3"x12.6"x6.3" (1430x320x160mm)  
WEIGHT: 52.9 lbs  
CONNECTORS: (8) 4.1/9.5 DIN FEMALE  
(1) NF - CALIBRATION CONNECTOR



PLAN VIEW



SIDE VIEW

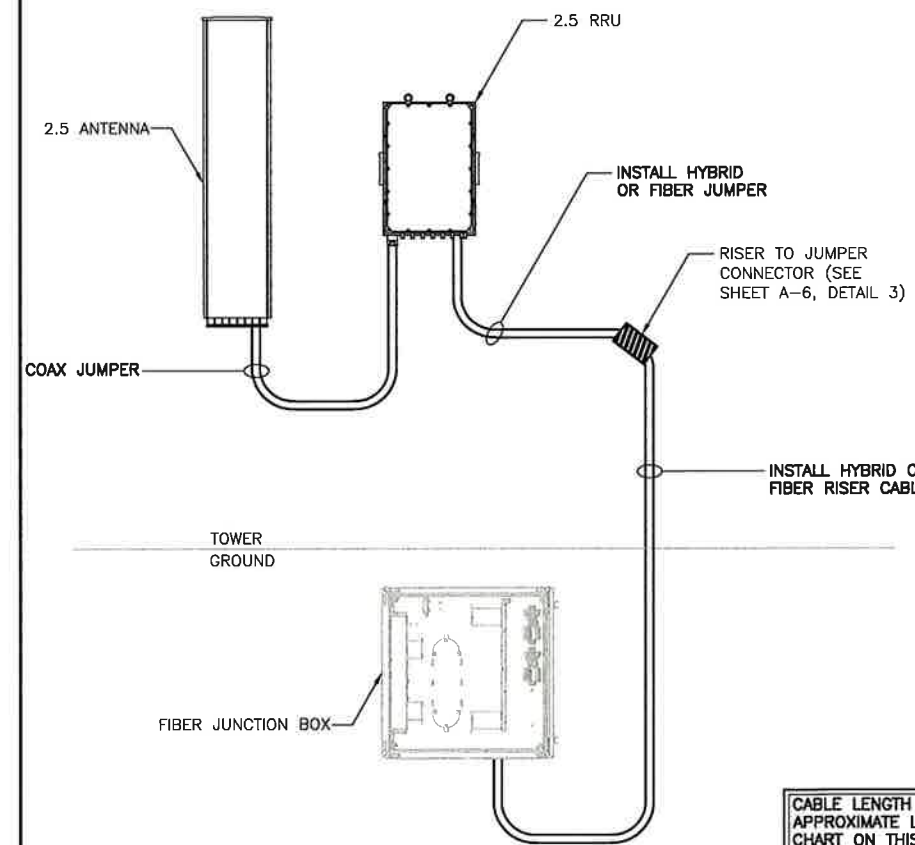


FRONT VIEW

2.5 ANTENNA

NO SCALE

3



INFINIGY ESTIMATES

| * Riser Cable Length Estimate |     |      | Units |
|-------------------------------|-----|------|-------|
| At Grade                      | 29  | Feet |       |
| Vertical Rise                 | 140 | Feet |       |
| At Sprint Centerline          | 0   | Feet |       |
| Sub-Total                     | 169 | Feet |       |
| 15% Buffer                    | 25  | Feet |       |
| Total                         | 195 | Feet |       |

ABOVE LENGTH IS AN ESTIMATE AND SHOULD BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

| ** Hybrid/Fiber Jumper Length Estimate |   |      | Units |
|----------------------------------------|---|------|-------|
| From Connector To RRU                  | 7 | Feet |       |

ABOVE LENGTH IS AN ESTIMATE AND SHOULD BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

| Coax Jumper Length Estimate |   |      | Units |
|-----------------------------|---|------|-------|
| From RRU to Antenna         | 5 | Feet |       |

ABOVE LENGTH IS AN ESTIMATE AND SHOULD BE VERIFIED IN FIELD PRIOR TO ORDERING MATERIALS.

**NOTE:**  
\* & \*\*: REFERENCE SHEET A-6, DETAIL 1 FOR CORRESPONDING PART NUMBERS.

**CABLE LENGTH NOTE:**  
APPROXIMATE LENGTH OF NEW CABLE IS SHOWN IN CHART ON THIS SHEET. CONTRACTOR TO CONFIRM EXACT CABLE LENGTH REQUIRED PRIOR TO ORDERING MATERIALS.

CABLING SCHEMATIC

NO SCALE

4

PLANS PREPARED FOR:

**Sprint**

6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:

**INFINIGY** Design. Build. Deliver.

1033 Watervliet Shaker Rd  
Albany, NY 12205  
Office # (518) 690-0790  
Fax # (518) 690-0793

JOB NUMBER 340-000

MLA PARTNER:

**AMERICAN TOWER CORPORATION**

10 PRESIDENTIAL WAY  
WOBURN, MA 01801

ENGINEERING LICENSE:

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| ISSUED FOR PERMIT       | 06/10/14 | DJG | 0   |  |
| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |  |

SITE NAME:

NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SHEET DESCRIPTION:

EQUIPMENT & MOUNTING DETAILS

SHEET NUMBER:

A-5



RFS HYBRIFLEX RISER CABLE SCHEDULE

|                                   |                                                                                                                                                          |        |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| Fiber Only<br>(Existing DC Power) | Hybrid cable<br>MN: HB058-M12-050F<br>12x multi-mode fiber pairs, Top: Outdoor protected connectors, Bottom: LC Connectors, 5/8 cable, 50 ft             | 50 ft  |
|                                   | MN: HB058-M12-075F                                                                                                                                       | 75 ft  |
|                                   | MN: HB058-M12-100F                                                                                                                                       | 100 ft |
|                                   | MN: HB058-M12-125F                                                                                                                                       | 125 ft |
|                                   | MN: HB058-M12-150F                                                                                                                                       | 150 ft |
|                                   | MN: HB058-M12-175F                                                                                                                                       | 175 ft |
|                                   | MN: HB058-M12-200F                                                                                                                                       | 200 ft |
| 8 AWG Power                       | Hybrid cable<br>MN: HB114-08U3M12-050F<br>3x 8 AWG power pairs, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 50 ft | 50 ft  |
|                                   | MN: HB114-08U3M12-075F                                                                                                                                   | 75 ft  |
|                                   | MN: HB114-08U3M12-100F                                                                                                                                   | 100 ft |
|                                   | MN: HB114-08U3M12-125F                                                                                                                                   | 125 ft |
|                                   | MN: HB114-08U3M12-150F                                                                                                                                   | 150 ft |
|                                   | MN: HB114-08U3M12-175F                                                                                                                                   | 175 ft |
|                                   | MN: HB114-08U3M12-200F                                                                                                                                   | 200 ft |
| 6 AWG Power                       | Hybrid cable<br>MN: HB114-13U3M12-225F<br>3x 6 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 225 ft | 225 ft |
|                                   | MN: HB114-13U3M12-250F                                                                                                                                   | 250 ft |
|                                   | MN: HB114-13U3M12-275F                                                                                                                                   | 275 ft |
|                                   | MN: HB114-13U3M12-300F                                                                                                                                   | 300 ft |
| 4 AWG Power                       | Hybrid cable<br>MN: HB114-21U3M12-325F<br>3x 4 AWG power pair, 12x multi-mode fiber pairs, Outdoor rated connectors & LC Connectors, 1 1/4 cable, 325 ft | 325 ft |
|                                   | MN: HB114-21U3M12-350F                                                                                                                                   | 350 ft |
|                                   | MN: HB114-21U3M12-375F                                                                                                                                   | 375 ft |

RFS HYBRIFLEX JUMPER CABLE SCHEDULE

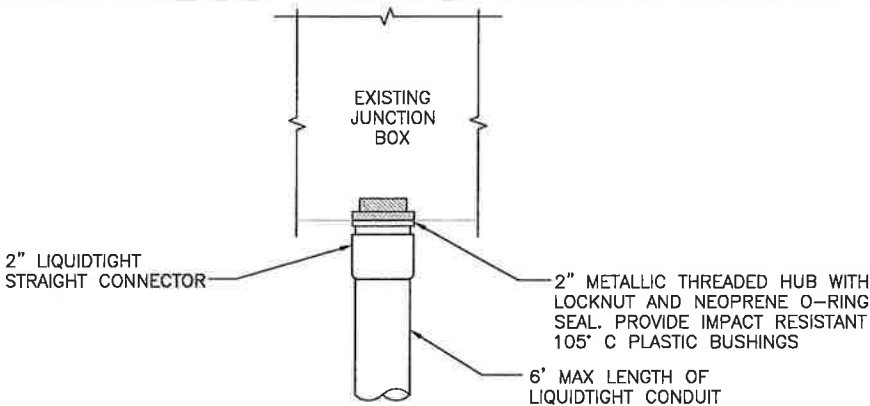
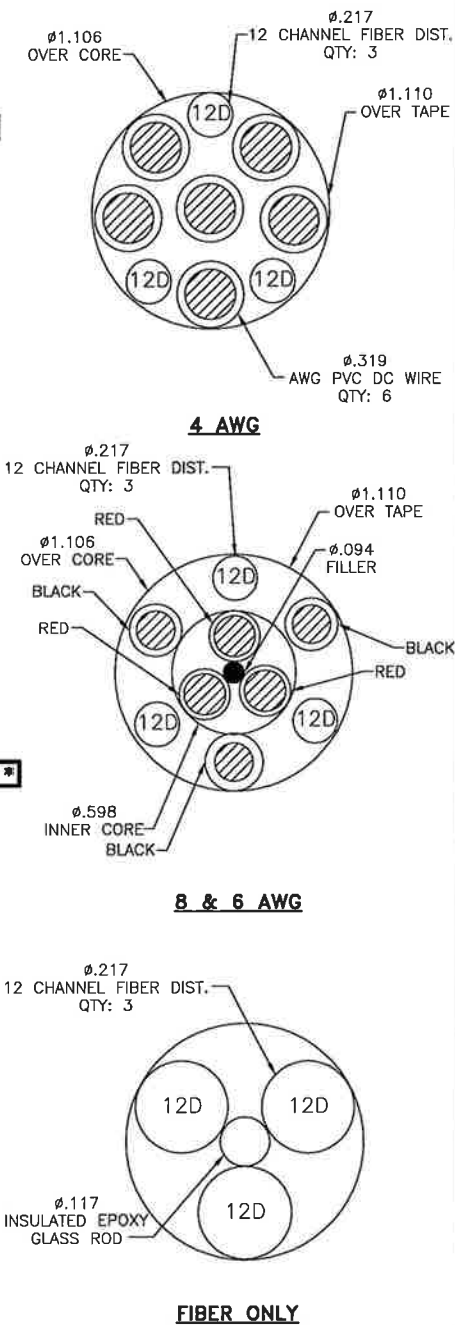
|             |                                                                                                                                         |       |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| Fiber Only  | Hybrid Jumper cable<br>MN: HB012-M3-5F1<br>5 ft, 3x multi-mode fiber pairs, Outdoor & LC connectors, 1/2 cable                          | 5 ft  |
|             | MN: HB012-M3-10F1                                                                                                                       | 10 ft |
|             | MN: HB012-M3-15F1                                                                                                                       | 15 ft |
|             | MN: HB012-M3-20F1                                                                                                                       | 20 ft |
|             | MN: HB012-M3-25F1                                                                                                                       | 25 ft |
|             | MN: HB012-M3-30F1                                                                                                                       | 30 ft |
| 8 AWG Power | Hybrid Jumper cable<br>MN: HB058-08U1M3-5F1<br>5 ft, 1x 8 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable | 5 ft  |
|             | MN: HB058-08U1M3-10F1                                                                                                                   | 10 ft |
|             | MN: HB058-08U1M3-15F1                                                                                                                   | 15 ft |
|             | MN: HB058-08U1M3-20F1                                                                                                                   | 20 ft |
|             | MN: HB058-08U1M3-25F1                                                                                                                   | 25 ft |
|             | MN: HB058-08U1M3-30F1                                                                                                                   | 30 ft |
| 6 AWG Power | Hybrid Jumper cable<br>MN: HB058-13U1M3-5F1<br>5 ft, 1x 6 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 5/8 cable | 5 ft  |
|             | MN: HB058-13U1M3-10F1                                                                                                                   | 10 ft |
|             | MN: HB058-13U1M3-15F1                                                                                                                   | 15 ft |
|             | MN: HB058-13U1M3-20F1                                                                                                                   | 20 ft |
|             | MN: HB058-13U1M3-25F1                                                                                                                   | 25 ft |
|             | MN: HB058-13U1M3-30F1                                                                                                                   | 30 ft |
| 4 AWG Power | Hybrid Jumper cable<br>MN: HB078-21U1M3-5F1<br>5 ft, 1x 4 AWG power pair, 3x multi-mode fiber pairs, Outdoor & LC Connectors, 7/8 cable | 5 ft  |
|             | MN: HB078-21U1M3-10F1                                                                                                                   | 10 ft |
|             | MN: HB078-21U1M3-15F1                                                                                                                   | 15 ft |
|             | MN: HB078-21U1M3-20F1                                                                                                                   | 20 ft |
|             | MN: HB078-21U1M3-25F1                                                                                                                   | 25 ft |
|             | MN: HB078-21U1M3-30F1                                                                                                                   | 30 ft |

NOTE:  
SPRINT CM TO CONFIRM HYBRID OR FIBER RISER CABLE  
AND HYBRID OR FIBER JUMPER CABLE MODEL NUMBERS IF  
HYBRID CABLES ARE REQUIRED BEFORE PREPARING BOM.

2.5 CABLE CROSS SECTION DATA

NO SCALE

1

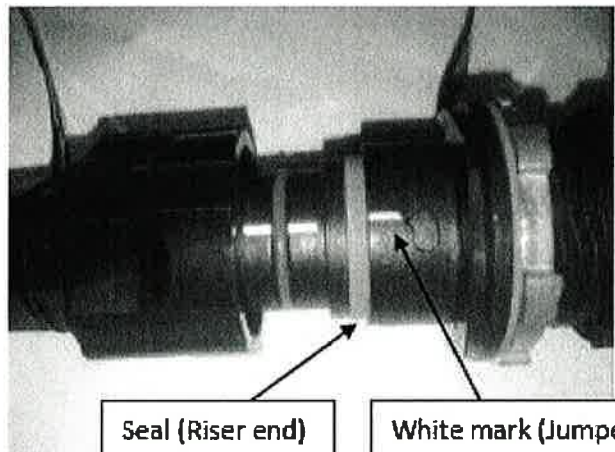


FIBER JUNCTION BOX PENETRATION

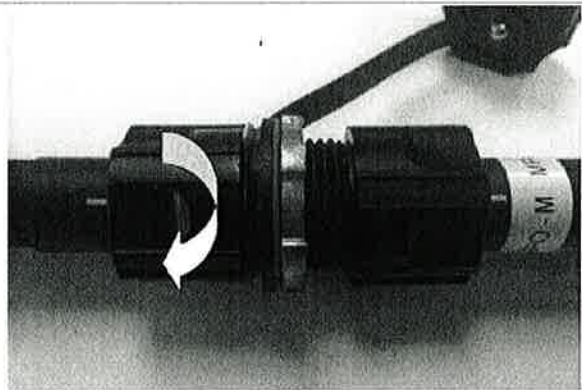
NO SCALE

2

IMPORTANT!! Line up white markings on jumper and riser IP-MPO connectors and slide the riser connector to the jumper connector. Push the white mark on the jumper connector flush again the red seal on the riser connector.



IMPORTANT!! Rotate the bayonet housing clock wise until you hear a click sound (means a good connection is in place).

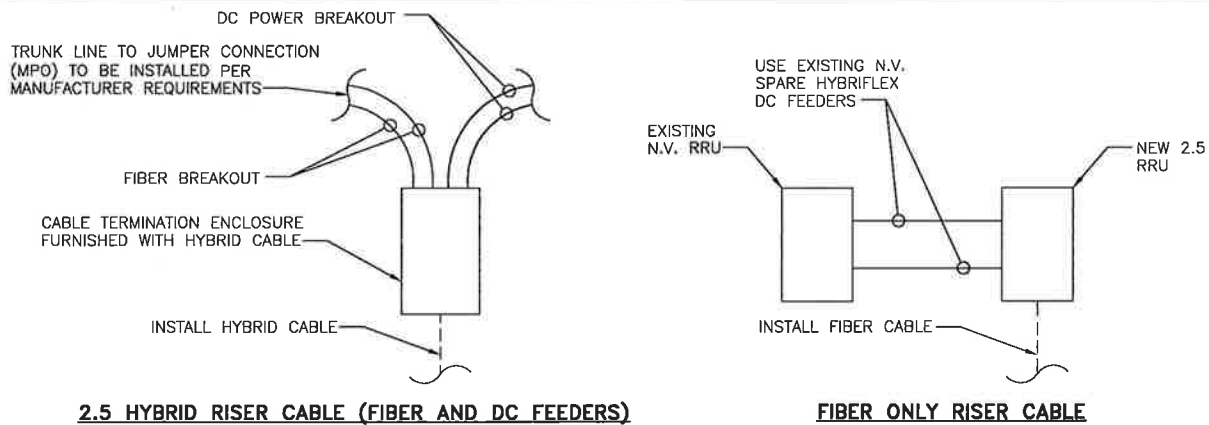


INFORMATION BASED ON PROVIDED  
INFORMATION FROM ALCATEL-LUCENT  
2.5 GHz UPGRADE INSTALLATION GUIDE.

HYBRIFLEX RISER/JUMPER CONNECTION DETAIL

NO SCALE

3



2.5 HYBRID RISER CABLE (FIBER AND DC FEEDERS)

FIBER ONLY RISER CABLE

TRUNK LINE DETAIL (TYP.)

NO SCALE

4

PLANS PREPARED FOR:

**Sprint**  
6580 Sprint Parkway  
Overland Park, Kansas 66251

PLANS PREPARED BY:

**INFINIGY** Design.  
Build.  
Deliver.  
1033 Watervliet Shaker Rd  
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Office # (518) 880-0790  
Fax # (518) 880-0793  
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MLA PARTNER:

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| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |

SITE NAME:

NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

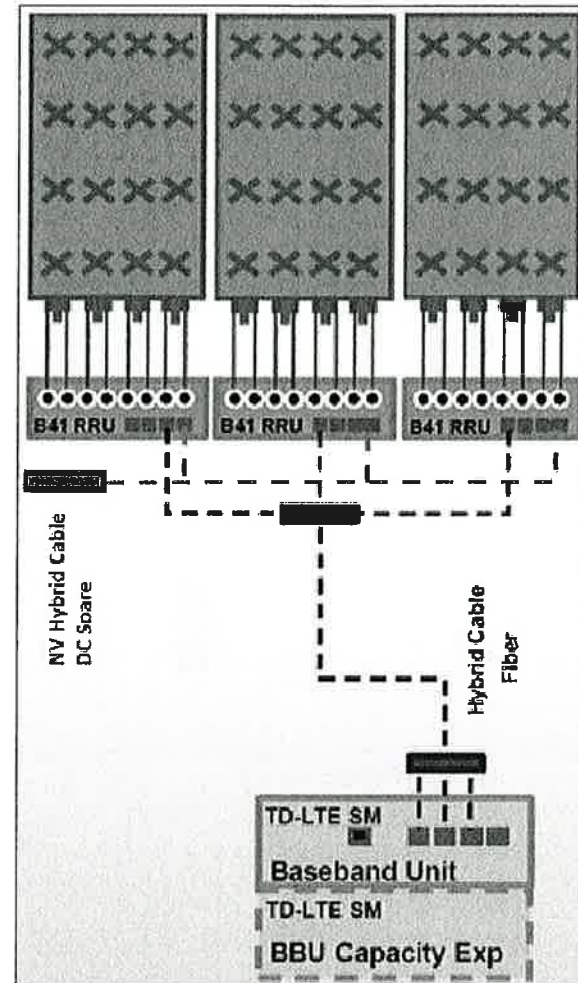
SHEET DESCRIPTION:

CIVIL DETAILS

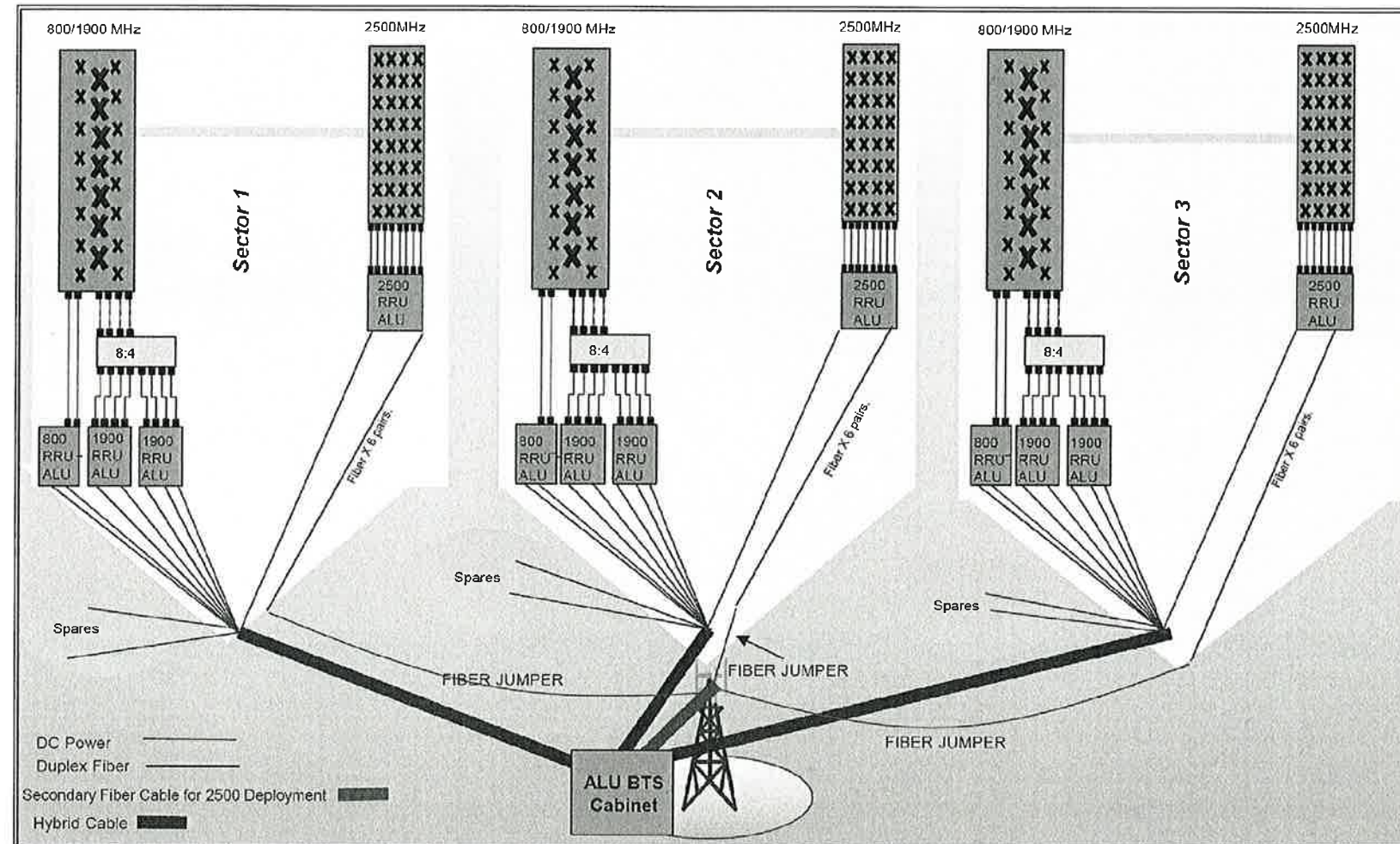
SHEET NUMBER:

A-6

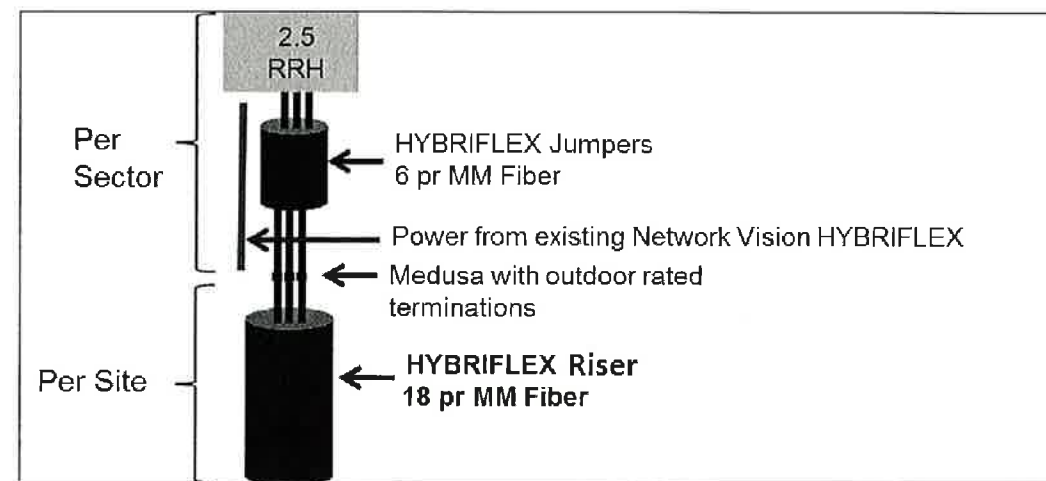




ALU 2.5 ALU SCENARIO 1



RAN WIRING DIAGRAM



RF 2.5 ALU SCENARIO 1

PLUMBING DIAGRAM

NO SCALE

1

PLANS PREPARED FOR:

**Sprint**  
6580 Sprint Parkway  
Overland Park, Kansas 66251

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MLA PARTNER:

**AMERICAN TOWER CORPORATION**  
10 PRESIDENTIAL WAY  
WOBBURN, MA 01801

ENGINEERING LICENSE:

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JOHN S. STEVENS  
No. 24705  
LICENSED PROFESSIONAL ENGINEER

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| ISSUED FOR PERMIT       | 06/10/14 | DJG | 0   |
| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |

SITE NAME:

NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:

PLUMBING DIAGRAM

SHEET NUMBER:

A-7

PLANS PREPARED FOR:

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Overland Park, Kansas 66251

PLANS PREPARED BY:

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| ISSUED FOR PERMIT       | 06/10/14 | DJG | 0   |  |
| ISSUED FOR REVIEW       | 05/27/14 | MAP | A   |  |

SITE NAME:

**NEW MILFORD CT 2**

SITE CASCADE:

**CT33XC097**

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:

**ELECTRICAL &  
GROUNDING PLAN**

SHEET NUMBER:

**E-1**

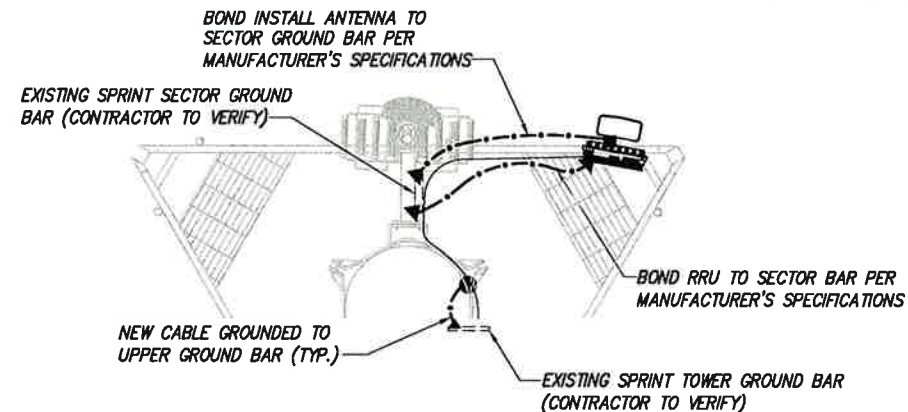
PLAN NOT USED

NO SCALE

1

**LEGEND:**

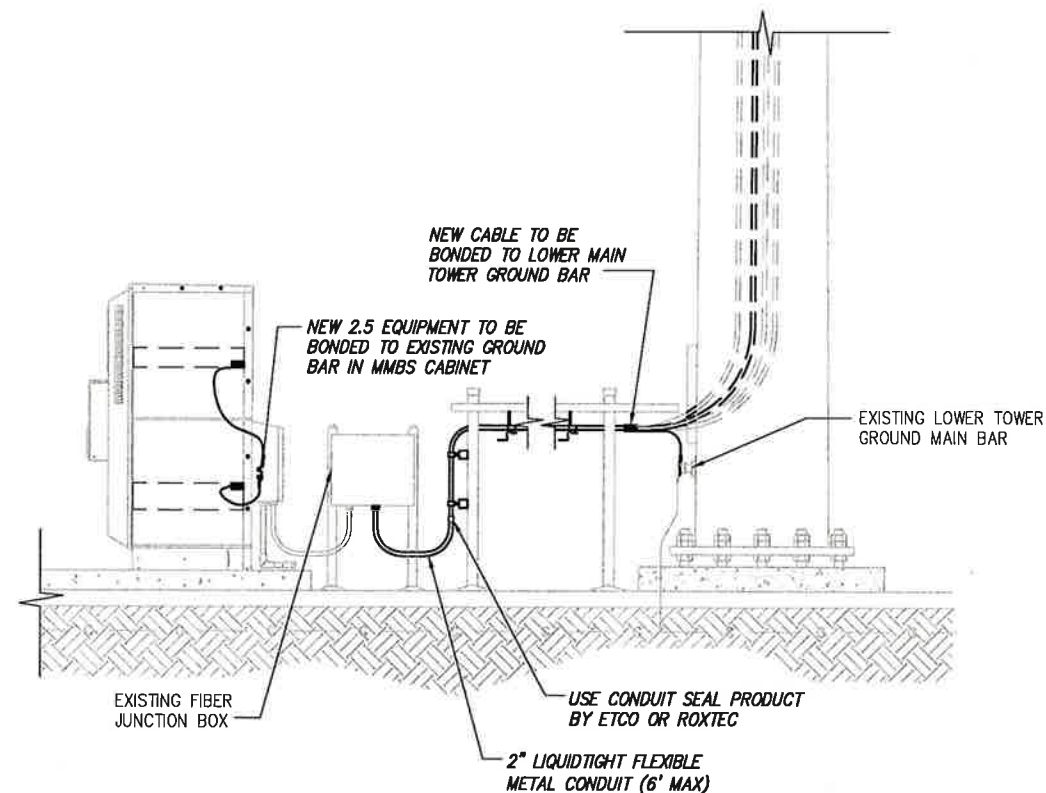
- G — EXISTING GROUND RING
- CADWELD CONNECTION (EXOTHERMIC WELD)
- ▲ MECHANICAL CONNECTION
- ⊗ GROUND ROD
- CABLE GROUND KIT



TYPICAL ANTENNA GROUNDING PLAN

NO SCALE

2



TYPICAL EQUIPMENT GROUNDING PLAN (ELEVATION)

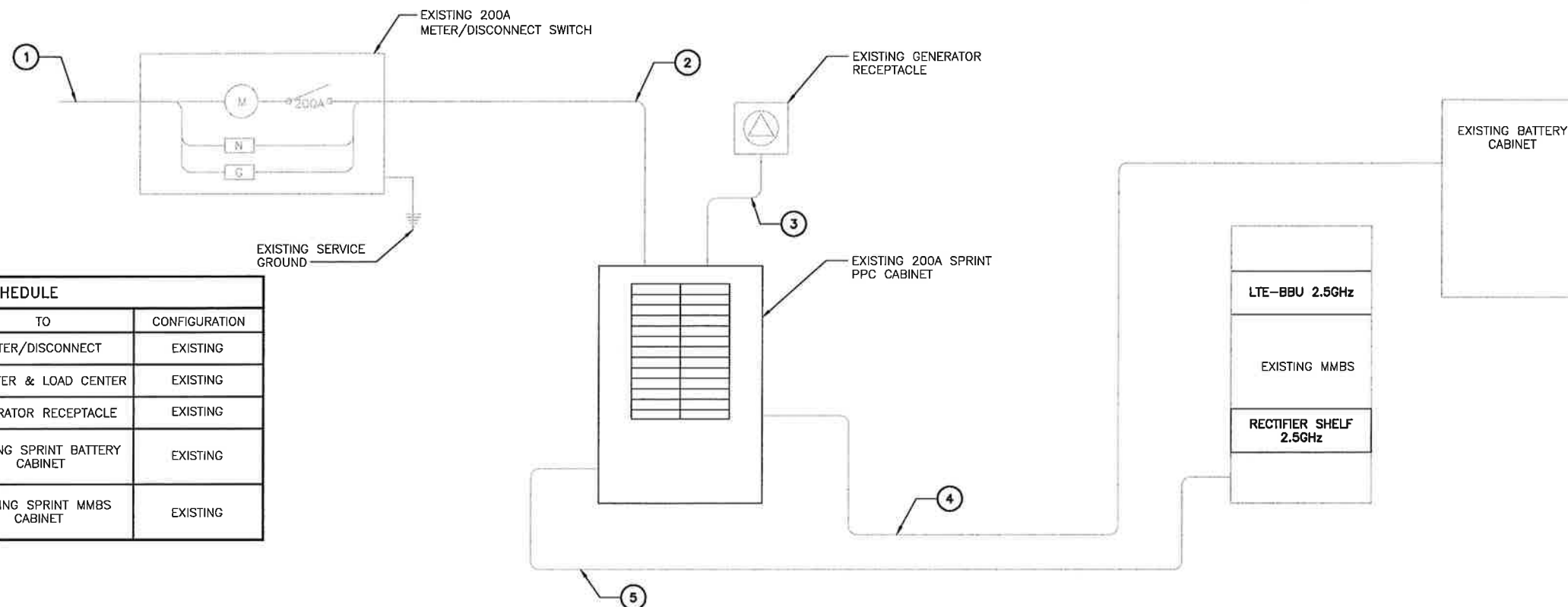
NO SCALE

3



**NOTES**  
CG SHALL REFERENCE ALL SPECS FOR "CONNECTING THE POWER SUPPLY" OF THE NEW INSTALLATION DOCUMENTS, FOR ALL CONNECTION SPECIFICATIONS.

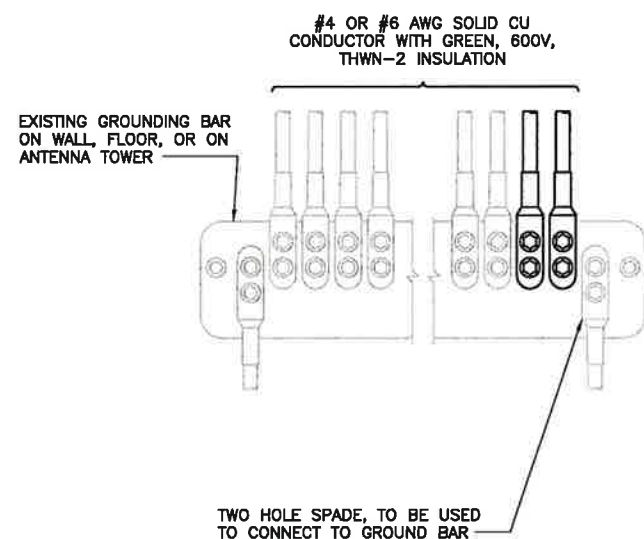
| CIRCUIT SCHEDULE |                        |                                 |               |
|------------------|------------------------|---------------------------------|---------------|
| NO               | FROM                   | TO                              | CONFIGURATION |
| ①                | UTILITY SOURCE         | METER/DISCONNECT                | EXISTING      |
| ②                | METER/DISCONNECT       | TRANSFER & LOAD CENTER          | EXISTING      |
| ③                | TRANSFER & LOAD CENTER | GENERATOR RECEPTACLE            | EXISTING      |
| ④                | TRANSFER & LOAD CENTER | EXISTING SPRINT BATTERY CABINET | EXISTING      |
| ⑤                | TRANSFER & LOAD CENTER | EXISTING SPRINT MMBS CABINET    | EXISTING      |



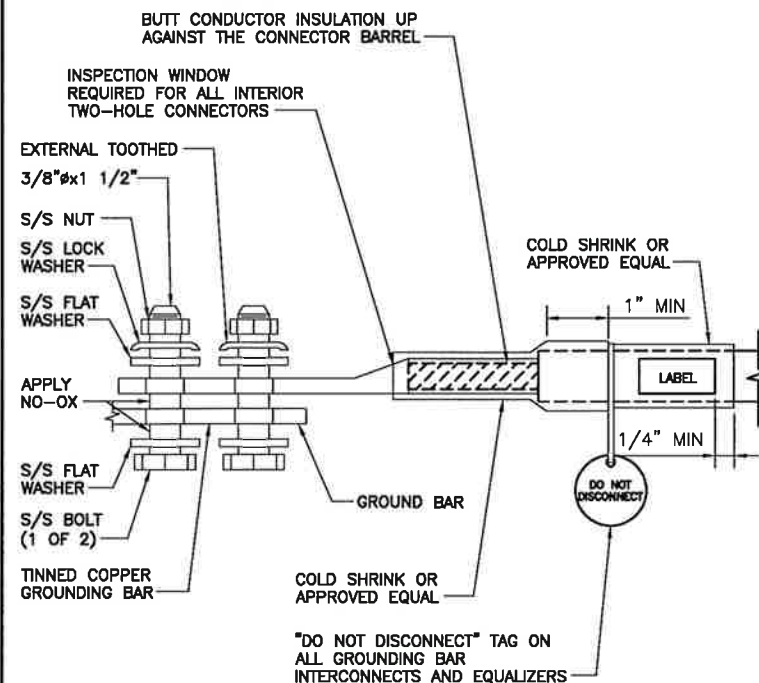
ELECTRICAL ONE-LINE DIAGRAM

NO SCALE

1



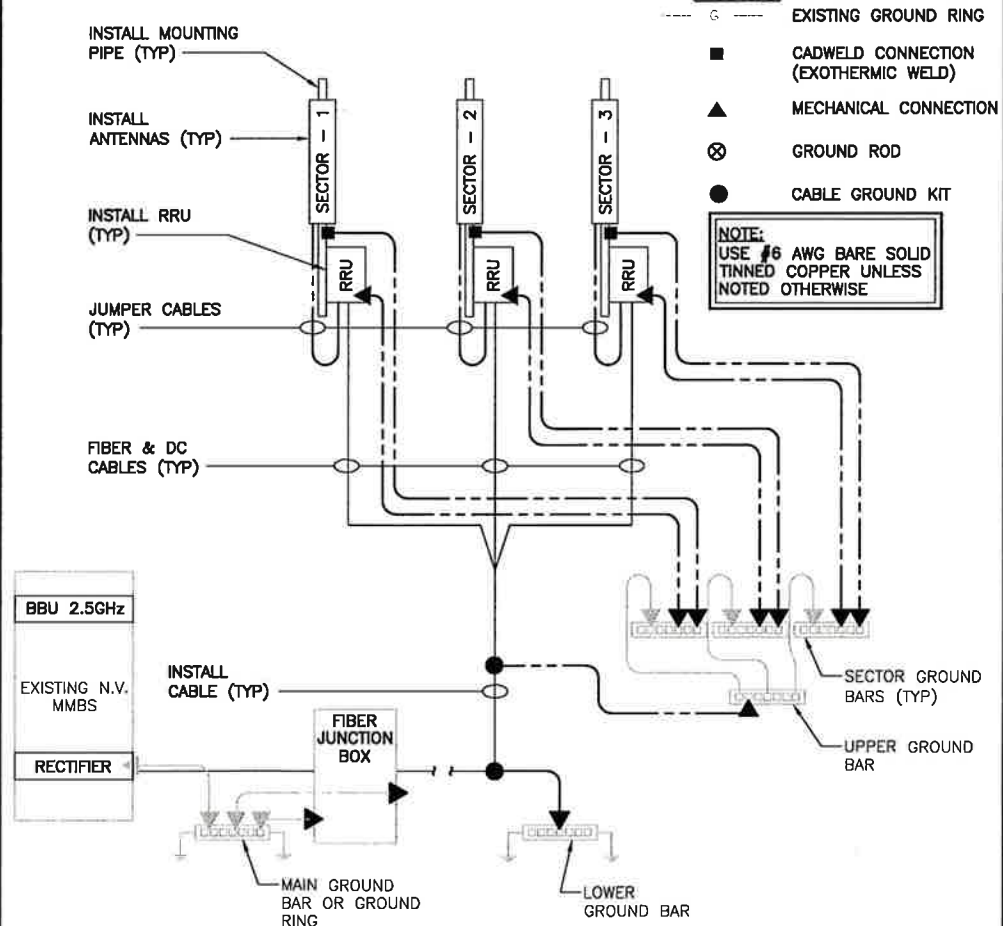
- NOTES**
1. APPLY NO-OX TO LUG AND BAR CONTACT SURFACE. DO NOT COAT INLINE LUG.
  2. IF STOLEN GROUND BARS ARE ENCOUNTERED, CONTACT SPRINT CM FOR REPLACEMENT THREADED ROD KIT.



TWO HOLE LUG

NO SCALE

3



GROUNDING RISER DIAGRAM

NO SCALE

4

PLANS PREPARED FOR:

**Sprint**

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Overland Park, Kansas 66251

PLANS PREPARED BY:

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| ISSUED FOR REVIEW       |             | 05/27/14 | MAP | A   |

SITE NAME:

NEW MILFORD CT 2

SITE CASCADE:

CT33XC097

SITE ADDRESS:

4 ELKINGTON FARM ROAD  
NEW MILFORD, CT 06776

SHEET DESCRIPTION:

ELECTRICAL & GROUNDING DETAILS

SHEET NUMBER:

E-2



---

## Structural Analysis Report

**Structure** : 150 ft Monopole  
**ATC Site Name** : New Milford CT 2, CT  
**ATC Site Number** : 302523  
**Engineering Number** : 58996021  
**Proposed Carrier** : Sprint Nextel  
**Carrier Site Name** : New Milford CT 2  
**Carrier Site Number** : CT33XC097  
**Site Location** : 4 Elkington Farm Rd  
New Milford, CT 06776-2909  
41.590861,-73.408600  
**County** : Litchfield  
**Date** : June 6, 2014  
**Max Usage** : 9p%  
**Result** : Pass

Jared Aman



Jun 6 2014 2:35 PM





## **Table of Contents**

|                                      |          |
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| Conclusion.....                      | 1        |
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| Equipment to be Removed.....         | 2        |
| Proposed Equipment .....             | 2        |
| Structure Usages .....               | 3        |
| Foundations .....                    | 3        |
| Deflection, Twist, and Sway.....     | 3        |
| Standard Conditions .....            | 4        |
| Calculations .....                   | Attached |



## **Introduction**

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

## **Supporting Documents**

|                            |                                                                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tower Drawings</b>      | ITT Meyer per AT&T Design Spec. AT-8935, dated April 13, 1984                                                                                             |
| <b>Foundation Drawing</b>  | SNET Job #3C239, dated April 20, 1990                                                                                                                     |
| <b>Geotechnical Report</b> | JSEC Job #14974-NM, dated January 28, 2002                                                                                                                |
| <b>Modifications</b>       | Scintel CMS Modification Drawings, dated March 7, 2002<br>ATC Project #41658239, dated December 22, 2008<br>ATC Project #50496632, dated October 22, 2012 |

## **Analysis**

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

|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| <b>Basic Wind Speed:</b>        | 95 mph (3-Second Gust)                                              |
| <b>Basic Wind Speed w/ Ice:</b> | 40 mph (3-Second Gust) w/ 1" radial ice concurrent                  |
| <b>Code:</b>                    | ANSI/TIA-222-G / 2003 IBC w/ 2005 CT Supplement & 2009 CT Amendment |
| <b>Structure Class:</b>         | II                                                                  |
| <b>Exposure Category:</b>       | B                                                                   |
| <b>Topographic Category:</b>    | 1                                                                   |

## **Conclusion**

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

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





### Existing and Reserved Equipment

| Elevation <sup>1</sup> (ft) |       | Qty | Antenna                                     | Mount Type           | Lines                                                                      | Carrier          |
|-----------------------------|-------|-----|---------------------------------------------|----------------------|----------------------------------------------------------------------------|------------------|
| Mount                       | RAD   |     |                                             |                      |                                                                            |                  |
| 150.0                       | 154.0 | 6   | Andrew ABT-DMDM-ADB                         | Low Profile Platform | (12) 1 1/4" Coax<br>(2) 0.78" 8 AWG 6<br>(1) 0.39" Cable<br>(1) 3" Conduit | AT&T Mobility    |
|                             |       | 6   | Ericsson RRUS 11 (Band 12)                  |                      |                                                                            |                  |
|                             |       | 6   | Powerwave Allgon 7770.00A                   |                      |                                                                            |                  |
|                             |       | 3   | KMW AM-X-CD-16-65-00T-RET                   |                      |                                                                            |                  |
| 140.0                       | 140.0 | 3   | Alcatel-Lucent 800MHz 2X50W<br>RRH w/Filter | Low Profile Platform | (3) 1 1/4" Hybriflex                                                       | Sprint Nextel    |
|                             |       | 3   | Alcatel-Lucent 1900MHz 4x45 RRH             |                      |                                                                            |                  |
|                             |       | 3   | RFS APXVSPP18-C-A20                         |                      |                                                                            |                  |
| 130.0                       | 132.0 | 6   | RFS FD9R6004/2C-3L                          | Low Profile Platform | (12) 1 5/8" Coax                                                           | Verizon Wireless |
|                             |       | 1   | Antel BXA-171063-8BF                        |                      |                                                                            |                  |
|                             |       | 2   | Antel BXA-171085-8BF                        |                      |                                                                            |                  |
|                             |       | 3   | Antel BXA-70063/6CF                         |                      |                                                                            |                  |
|                             |       | 4   | Antel LPA-80080/6CF                         |                      |                                                                            |                  |
|                             |       | 2   | Antel LPA-80063/6CF                         |                      |                                                                            |                  |
| 110.0                       | 110.0 | 9   | 48" x 12" Panels                            | T-Arms               | (12) 1 5/8" Coax                                                           | Sprint Nextel    |
|                             |       | 3   | 72" x 12" Panels                            |                      |                                                                            |                  |
| 75.0                        | 75.0  | 1   | PCTEL GPS-TMG-HR-26N                        | Side-Arm             | (1) 1/2" Coax                                                              | Sprint Nextel    |

### Equipment to be Removed

| Elevation <sup>1</sup> (ft) |       | Qty | Antenna            | Mount Type | Lines           | Carrier       |
|-----------------------------|-------|-----|--------------------|------------|-----------------|---------------|
| Mount                       | RAD   |     |                    |            |                 |               |
| 140.0                       | 140.0 | 6   | Andrew DB980H90E-M | -          | (6) 1 5/8" Coax | Sprint Nextel |

### Proposed Equipment

| Elevation <sup>1</sup> (ft) |       | Qty | Antenna                             | Mount Type           | Lines                | Carrier       |
|-----------------------------|-------|-----|-------------------------------------|----------------------|----------------------|---------------|
| Mount                       | RAD   |     |                                     |                      |                      |               |
| 140.0                       | 140.0 | 3   | Alcatel-Lucent TD-RRH8x20-25 w/S.S. | Low Profile Platform | (1) 1 1/4" Hybriflex | Sprint Nextel |
|                             |       | 3   | RFS APXV9TM14-ALU-i20               |                      |                      |               |

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

Install proposed coax inside the pole shaft.

### **Structure Usages**

| Structural Component | Controlling Usage | Pass/Fail |
|----------------------|-------------------|-----------|
| Anchor Bolts         | 85%               | Pass      |
| Shaft                | 94%               | Pass      |
| Base Plate           | 59%               | Pass      |
| Flanges              | 95%               | Pass      |
| Reinforcement        | 55%               | Pass      |

### **Foundations**

| Reaction Component | Analysis Reactions |
|--------------------|--------------------|
| Moment (Kips-Ft)   | 2,638.9            |
| Axial (Kips)       | 78.1               |
| Shear (Kips)       | 28.3               |

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

### **Deflection and Sway\***

| Antenna Elevation (ft) | Deflection (ft) | Sway (Rotation) (°) |
|------------------------|-----------------|---------------------|
| 140.0                  | 1.346           | 1.622               |

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



## **Standard Conditions**

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

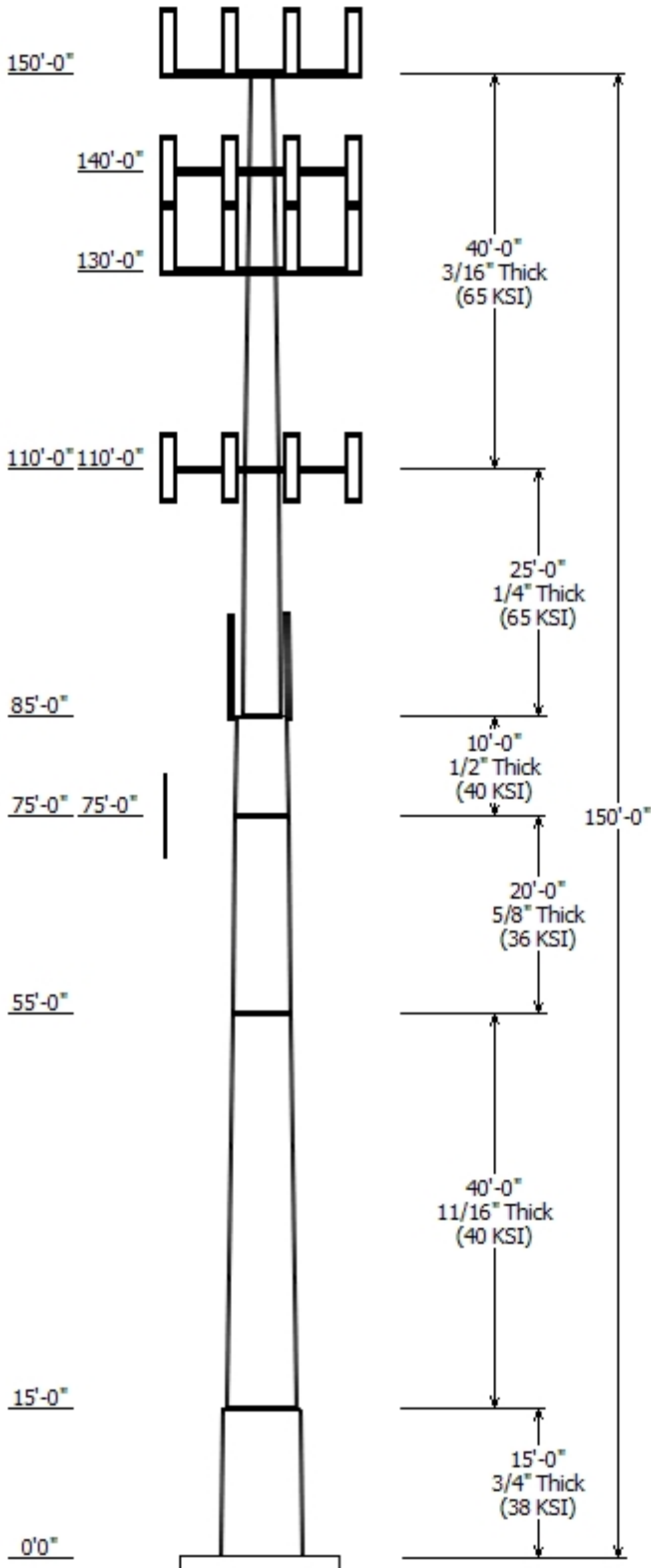
- Information supplied by the client regarding the structure itself, antenna, mounts and feed line loading on the structure and its components, or other relevant information.
- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements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

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

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

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



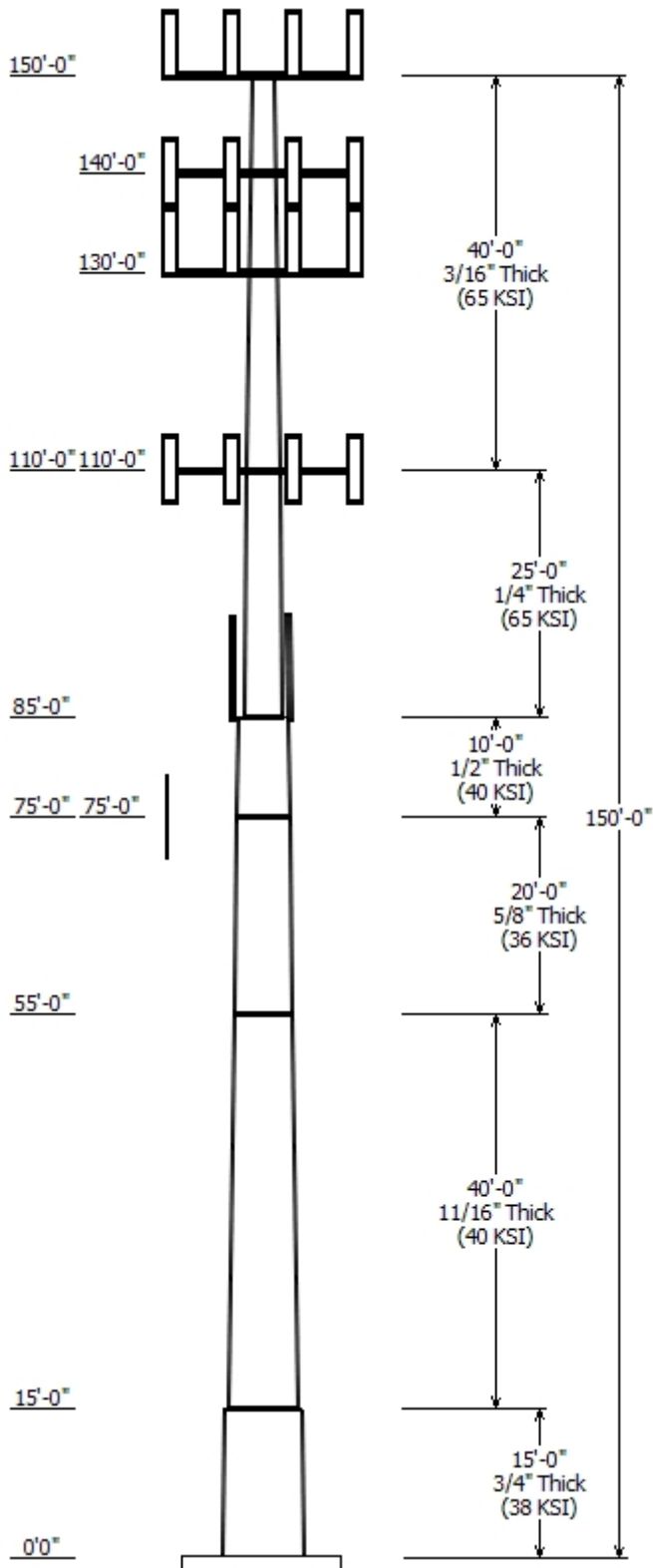


| Job Information |                      |                |                    |
|-----------------|----------------------|----------------|--------------------|
| Pole :          | 302523               | Code:          | ANSI/TIA-222 Rev G |
| Description :   | 150 ft Monopole      |                |                    |
| Client :        | AT&T Mobility        | Struct Class : | II                 |
| Location :      | New Milford CT 2, CT |                |                    |
| Shape :         | 12 Sides             | Exposure :     | B                  |
| Height :        | 150.00 (ft)          | Topo :         | 1                  |
| Base Elev (ft): | 0.00                 |                |                    |
| Taper:          | 0.15670(in/ft)       |                |                    |

| Sections Properties |             |               |        |            |            |                     |                         |
|---------------------|-------------|---------------|--------|------------|------------|---------------------|-------------------------|
| Shaft Section       | Length (ft) | Diameter (in) |        | Thick (in) | Joint Type | Overlap Length (in) | Steel Taper Grade (ksi) |
|                     |             | Top           | Bottom |            |            |                     |                         |
| 1                   | 15.000      | 45.39         | 53.90  | 0.750      |            | 0.000               | 0.567000 38             |
| 2                   | 40.000      | 39.10         | 45.60  | 0.688      | Butt Joint | 0.000               | 0.162500 40             |
| 3                   | 20.000      | 36.13         | 39.40  | 0.625      | Butt Joint | 0.000               | 0.163330 36             |
| 4                   | 10.000      | 34.49         | 36.13  | 0.500      | Butt Joint | 0.000               | 0.163333 40             |
| 5                   | 25.000      | 21.25         | 25.23  | 0.250      | Butt Joint | 0.000               | 0.159200 65             |
| 6                   | 40.000      | 15.00         | 21.25  | 0.188      | Butt Joint | 0.000               | 0.156250 65             |

| Discrete Appurtenance |                 |     |                              |
|-----------------------|-----------------|-----|------------------------------|
| Attach Elev (ft)      | Force Elev (ft) | Qty | Description                  |
| 150.000               | 154.000         | 6   | Ericsson RRUS 11 (Band 12)   |
| 150.000               | 154.000         | 3   | KMW AM-X-CD-16-65-00T-RET    |
| 150.000               | 150.000         | 1   | Round Low Profile Platform   |
| 150.000               | 154.000         | 6   | Andrew ABT-DMDM-ADB          |
| 150.000               | 154.000         | 6   | Powerwave 7770.00A           |
| 140.000               | 140.000         | 3   | RFS APXV9TM14-ALU-i20        |
| 140.000               | 140.000         | 3   | Alcatel-Lucent TD-RRH8x20-25 |
| 140.000               | 140.000         | 3   | Alcatel-Lucent 1900 MHz 4x45 |
| 140.000               | 140.000         | 3   | RFS APXVSP18-C-A20           |
| 140.000               | 140.000         | 3   | Alcatel-Lucent 800 MHz 2X50W |
| 140.000               | 140.000         | 1   | Round Low Profile Platform   |
| 130.000               | 132.000         | 2   | Antel LPA-80063/6CF          |
| 130.000               | 132.000         | 6   | RFS FD9R6004/2C-3L           |
| 130.000               | 130.000         | 1   | Round Low Profile Platform   |
| 130.000               | 132.000         | 1   | Antel BXA-171063-8BF         |
| 130.000               | 132.000         | 2   | Antel BXA-171085-8BF         |
| 130.000               | 132.000         | 4   | Antel LPA-80080/6CF          |
| 130.000               | 132.000         | 3   | Antel BXA-70063/6CF          |
| 110.000               | 110.000         | 3   | Round T-Arms                 |
| 110.000               | 110.000         | 3   | 72" x 12" Panels             |
| 110.000               | 110.000         | 9   | 48" x 12" Panels             |
| 75.000                | 75.000          | 1   | PCTEL GPS-TMG-HR-26N         |

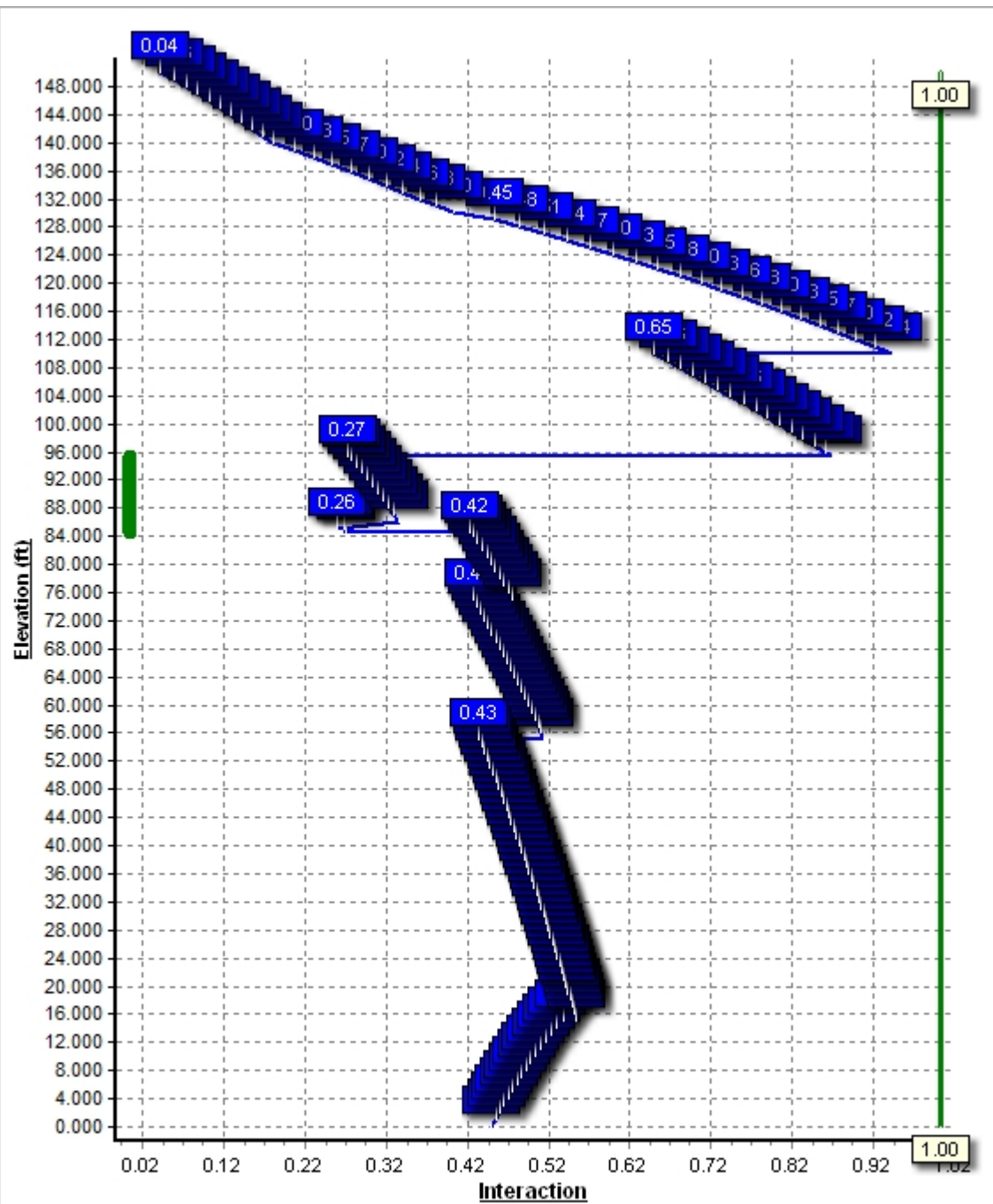
| Linear Appurtenance |             |                  |                 |
|---------------------|-------------|------------------|-----------------|
| Elev (ft)           | Description |                  | Exposed To Wind |
| From                | To          |                  |                 |
| 79.000              | 100.0       | #20 Dywidag Bars | Yes             |
| 5.000               | 110.0       | 1 5/8" Coax      | No              |
| 5.000               | 130.0       | 1 5/8" Coax      | No              |
| 5.000               | 140.0       | 1 1/4" Hybriflex | No              |
| 5.000               | 140.0       | 1 1/4" Hybriflex | No              |
| 5.000               | 150.0       | 0.39" Cable      | No              |
| 5.000               | 150.0       | 0.78" 8 AWG 6    | No              |
| 5.000               | 150.0       | 1 1/4" Coax      | No              |
| 5.000               | 150.0       | 3" Conduit       | No              |
| 5.000               | 75.000      | 1/2" Coax        | No              |
| 5.000               | 85.000      | Seam Flange      | Yes             |



| Load Cases           |                                    |
|----------------------|------------------------------------|
| 1.2D + 1.6W          | 95.00 mph with No Ice              |
| 0.9D + 1.6W          | 95.00 mph with No Ice (Reduced DL) |
| 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice  |
| 1.0D + 1.0W          | 60.00 mph Serviceability           |

| Reactions            |                    |                |                |
|----------------------|--------------------|----------------|----------------|
| Load Case            | Moment<br>(kip-ft) | Shear<br>(kip) | Axial<br>(kip) |
| 1.2D + 1.6W          | 2638.86            | 28.31          | 50.91          |
| 0.9D + 1.6W          | 2604.61            | 28.15          | 38.32          |
| 1.2D + 1.0Di + 1.0Wi | 446.05             | 4.43           | 78.08          |
| 1.0D + 1.0W          | 653.03             | 7.06           | 42.52          |

| Dish Deflections |                     |                    |                   |
|------------------|---------------------|--------------------|-------------------|
| Load Case        | Attach<br>Elev (ft) | Deflection<br>(in) | Rotation<br>(deg) |
|                  | 0.00                | 0.000              | 0.000             |

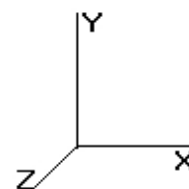




Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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### Shaft Section Properties

| Sect Info    | Length (ft) | Thick (in) | Fy (ksi) | Joint Type | 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 |               |
| 1-12         | 15.000      | 0.7500     | 38       |            | 0.00           | 6,027       | 53.90    | 0.00      | 128.36      | 46281.3   | 16.58     | 71.87     | 45.39    | 15.00     | 107.82      | 27429.2   | 13.54     | 60.53     | 0.567000      |
| 2-12         | 40.000      | 0.6875     | 40       | Butt       | 0.00           | 12,554      | 45.60    | 15.00     | 99.42       | 25598.3   | 15.09     | 66.33     | 39.10    | 55.00     | 85.04       | 16014.9   | 12.56     | 56.87     | 0.162500      |
| 3-12         | 20.000      | 0.6250     | 36       | Butt       | 0.00           | 5,087       | 39.40    | 55.00     | 78.03       | 14975.0   | 14.21     | 63.04     | 36.13    | 75.00     | 71.46       | 11500.2   | 12.81     | 57.81     | 0.163330      |
| 4-12         | 10.000      | 0.5000     | 40       | Butt       | 0.00           | 1,907       | 36.13    | 75.00     | 57.37       | 9297.5    | 16.68     | 72.27     | 34.49    | 85.00     | 54.74       | 8076.7    | 15.81     | 69.00     | 0.163333      |
| 5-12         | 25.000      | 0.2500     | 65       | Butt       | 0.00           | 1,574       | 25.23    | 85.00     | 20.11       | 1601.6    | 24.36     | 100.92    | 21.25    | 110.00    | 16.90       | 951.6     | 20.10     | 85.00     | 0.159200      |
| 6-12         | 40.000      | 0.1875     | 65       | Butt       | 0.00           | 1,474       | 21.25    | 110.00    | 12.72       | 720.1     | 27.69     | 113.33    | 15.00    | 150.00    | 8.94        | 250.5     | 18.76     | 80.00     | 0.156250      |
| Shaft Weight |             |            |          |            |                | 28,624      |          |           |             |           |           |           |          |           |             |           |           |           |               |

### Discrete Appurtenance Properties

| Attach Elev (ft) | Description                | Qty | No Ice      |           |                    | Ice         |           |                    | Distance From Face (ft) | Vert Ecc (ft) |
|------------------|----------------------------|-----|-------------|-----------|--------------------|-------------|-----------|--------------------|-------------------------|---------------|
|                  |                            |     | Weight (lb) | EPAA (sf) | Orientation Factor | Weight (lb) | EPAA (sf) | Orientation Factor |                         |               |
| 150.00           | Andrew ABT-DMDM-ADB        | 6   | 1.10        | 0.050     | 0.50               | 10.98       | 0.263     | 0.50               | 0.000                   | 4.000         |
| 150.00           | Ericsson RRUS 11 (Band 12) | 6   | 50.00       | 2.570     | 0.67               | 167.51      | 3.466     | 0.67               | 0.000                   | 4.000         |
| 150.00           | KMW AM-X-CD-16-65-00T-     | 3   | 48.50       | 8.020     | 0.79               | 317.43      | 9.784     | 0.79               | 0.000                   | 4.000         |
| 150.00           | Powerwave 7770.00A         | 6   | 27.00       | 5.560     | 0.76               | 221.42      | 7.011     | 0.76               | 0.000                   | 4.000         |
| 150.00           | Round Low Profile Platform | 1   | 1500.00     | 21.700    | 1.00               | 2,365.63    | 47.351    | 1.00               | 0.000                   | 0.000         |
| 140.00           | Alcatel-Lucent 1900 MHz    | 3   | 60.00       | 2.320     | 0.67               | 195.34      | 3.237     | 0.67               | 0.000                   | 0.000         |
| 140.00           | Alcatel-Lucent 800 MHz     | 3   | 64.00       | 2.060     | 0.67               | 193.09      | 2.876     | 0.67               | 0.000                   | 0.000         |
| 140.00           | Alcatel-Lucent TD-RRH8x20- | 3   | 70.00       | 4.050     | 0.67               | 192.49      | 6.304     | 0.67               | 0.000                   | 0.000         |
| 140.00           | RFS APXV9TM14-ALU-i20      | 3   | 55.10       | 6.340     | 0.78               | 151.52      | 9.868     | 0.78               | 0.000                   | 0.000         |
| 140.00           | RFS APXVSPP18-C-A20        | 3   | 57.00       | 8.020     | 0.83               | 338.18      | 9.771     | 0.83               | 0.000                   | 0.000         |
| 140.00           | Round Low Profile Platform | 1   | 1200.00     | 18.000    | 1.00               | 1,887.73    | 39.131    | 1.00               | 0.000                   | 0.000         |
| 130.00           | Antel BXA-171063-8BF       | 1   | 10.50       | 2.940     | 0.87               | 130.89      | 4.112     | 0.87               | 0.000                   | 2.000         |
| 130.00           | Antel BXA-171085-8BF       | 2   | 10.50       | 2.940     | 0.87               | 130.89      | 4.112     | 0.87               | 0.000                   | 2.000         |
| 130.00           | Antel BXA-70063/6CF        | 3   | 14.90       | 7.580     | 0.77               | 257.15      | 9.279     | 0.77               | 0.000                   | 2.000         |
| 130.00           | Antel LPA-80063/6CF        | 2   | 27.00       | 9.590     | 0.95               | 422.78      | 11.415    | 0.95               | 0.000                   | 2.000         |
| 130.00           | Antel LPA-80080/6CF        | 4   | 21.00       | 8.630     | 0.75               | 293.23      | 10.393    | 0.75               | 0.000                   | 2.000         |
| 130.00           | RFS FD9R6004/2C-3L         | 6   | 2.60        | 0.370     | 0.50               | 23.48       | 0.691     | 0.50               | 0.000                   | 2.000         |
| 130.00           | Round Low Profile Platform | 1   | 1500.00     | 21.700    | 1.00               | 2,353.33    | 46.986    | 1.00               | 0.000                   | 0.000         |
| 110.00           | 48" x 12" Panels           | 9   | 30.00       | 5.070     | 0.67               | 213.37      | 6.366     | 0.67               | 0.000                   | 0.000         |
| 110.00           | 72" x 12" Panels           | 3   | 45.00       | 8.130     | 0.67               | 307.37      | 9.842     | 0.67               | 0.000                   | 0.000         |
| 110.00           | Round T-Arms               | 3   | 250.00      | 9.700     | 0.67               | 520.71      | 20.378    | 0.67               | 0.000                   | 0.000         |
| 75.00            | PCTEL GPS-TMG-HR-26N       | 1   | 0.60        | 0.090     | 1.00               | 1.64        | 0.168     | 1.00               | 0.000                   | 0.000         |
| Totals           |                            | 73  | 7117.80     |           |                    | 20,900.06   |           |                    | Number of Loadings : 22 |               |

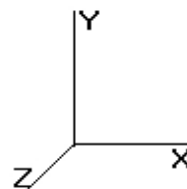
### Linear Appurtenance Properties

| Elev From (ft) | Elev To (ft) | Description          | Exposed Width (in) | Exposed To Wind |
|----------------|--------------|----------------------|--------------------|-----------------|
| 5.00           | 150.00       | (1) 0.39" Cable      | 0.00               | N               |
| 5.00           | 150.00       | (2) 0.78" 8 AWG 6    | 0.00               | N               |
| 5.00           | 150.00       | (12) 1 1/4" Coax     | 0.00               | N               |
| 5.00           | 150.00       | (1) 3" Conduit       | 0.00               | N               |
| 5.00           | 140.00       | (3) 1 1/4" Hybriflex | 0.00               | N               |
| 5.00           | 140.00       | (1) 1 1/4" Hybriflex | 0.00               | N               |
| 5.00           | 130.00       | (12) 1 5/8" Coax     | 0.00               | N               |
| 5.00           | 110.00       | (12) 1 5/8" Coax     | 0.00               | N               |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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|       |        |                      |       |   |
|-------|--------|----------------------|-------|---|
| 79.00 | 100.00 | (3) #20 Dywidag Bars | 5.00  | Y |
| 5.00  | 85.00  | (2) Seam Flange      | 12.84 | Y |
| 5.00  | 75.00  | (1) 1/2" Coax        | 0.00  | N |

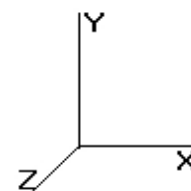
### Additional Steel

| Elev<br>From<br>(ft) | Elev<br>To<br>(ft) | Qty | Description        | Fy<br>(ksi) | Offset<br>(in) | — Intermediate Connections — |                 |             | Connectors     | Continuation? |
|----------------------|--------------------|-----|--------------------|-------------|----------------|------------------------------|-----------------|-------------|----------------|---------------|
|                      |                    |     |                    |             |                | Description                  | Spacing<br>(in) | Len<br>(in) |                |               |
| 84.67                | 95.44              | 3   | SOL #20 All Thread | 80          | 6.81           | AJAX M20 Class               | 30.0            | 3.31        | AJAX M20 Class | No            |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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## Segment Properties (Max Len : 1 ft)

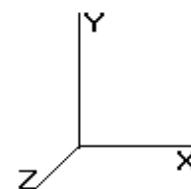
| Seg Top<br>Elev<br>(ft) | Description     | Thick<br>(in) | Flat<br>Dia<br>(in) | Area<br>(in^2) | Ix<br>(in^4) | W/t<br>Ratio | D/t<br>Ratio | Fy<br>(ksi) | S<br>(in3) | Weight<br>(lb) | Additional Reinforcing |              |                |
|-------------------------|-----------------|---------------|---------------------|----------------|--------------|--------------|--------------|-------------|------------|----------------|------------------------|--------------|----------------|
|                         |                 |               |                     |                |              |              |              |             |            |                | Area<br>(in^2)         | Ix<br>(in^4) | Weight<br>(lb) |
| 0.00                    |                 | 0.7500        | 53.900              | 128.357        | 46,281.3     | 16.58        | 71.87        | 48.4        | 1658.      | 0.0            |                        |              |                |
| 1.00                    |                 | 0.7500        | 53.333              | 126.987        | 44,815.9     | 16.37        | 71.11        | 48.4        | 1623.      | 434.4          |                        |              |                |
| 2.00                    |                 | 0.7500        | 52.766              | 125.618        | 43,381.7     | 16.17        | 70.35        | 48.4        | 1588.      | 429.8          |                        |              |                |
| 3.00                    |                 | 0.7500        | 52.199              | 124.249        | 41,978.4     | 15.97        | 69.60        | 48.4        | 1553.      | 425.1          |                        |              |                |
| 4.00                    |                 | 0.7500        | 51.632              | 122.879        | 40,605.8     | 15.77        | 68.84        | 48.4        | 1519.      | 420.5          |                        |              |                |
| 5.00                    |                 | 0.7500        | 51.065              | 121.510        | 39,263.4     | 15.56        | 68.09        | 48.4        | 1485.      | 415.8          |                        |              |                |
| 6.00                    |                 | 0.7500        | 50.498              | 120.141        | 37,950.9     | 15.36        | 67.33        | 48.4        | 1451.      | 411.1          |                        |              |                |
| 7.00                    |                 | 0.7500        | 49.931              | 118.771        | 36,668.0     | 15.16        | 66.57        | 48.4        | 1418.      | 406.5          |                        |              |                |
| 8.00                    |                 | 0.7500        | 49.364              | 117.402        | 35,414.3     | 14.96        | 65.82        | 48.4        | 1385.      | 401.8          |                        |              |                |
| 9.00                    |                 | 0.7500        | 48.797              | 116.033        | 34,189.6     | 14.75        | 65.06        | 48.4        | 1353.      | 397.2          |                        |              |                |
| 10.00                   |                 | 0.7500        | 48.230              | 114.663        | 32,993.4     | 14.55        | 64.31        | 48.4        | 1321.      | 392.5          |                        |              |                |
| 11.00                   |                 | 0.7500        | 47.663              | 113.294        | 31,825.4     | 14.35        | 63.55        | 48.4        | 1289.      | 387.8          |                        |              |                |
| 12.00                   |                 | 0.7500        | 47.096              | 111.925        | 30,685.4     | 14.15        | 62.79        | 48.4        | 1258.      | 383.2          |                        |              |                |
| 13.00                   |                 | 0.7500        | 46.529              | 110.556        | 29,572.9     | 13.94        | 62.04        | 48.4        | 1227.      | 378.5          |                        |              |                |
| 14.00                   |                 | 0.7500        | 45.962              | 109.186        | 28,487.6     | 13.74        | 61.28        | 48.4        | 1197.      | 373.9          |                        |              |                |
| 15.00                   | Top - Section 1 | 0.7500        | 45.395              | 107.817        | 27,429.2     | 13.54        | 60.53        | 48.4        | 1167.      | 369.2          |                        |              |                |
| 15.00                   | Bot - Section 2 | 0.6875        | 45.600              | 99.425         | 25,598.3     | 15.09        | 66.33        | 50.5        | 1084.      |                |                        |              |                |
| 16.00                   |                 | 0.6875        | 45.437              | 99.065         | 25,321.4     | 15.03        | 66.09        | 50.5        | 1076.      | 337.7          |                        |              |                |
| 17.00                   |                 | 0.6875        | 45.275              | 98.705         | 25,046.6     | 14.97        | 65.85        | 50.5        | 1068.      | 336.5          |                        |              |                |
| 18.00                   |                 | 0.6875        | 45.112              | 98.345         | 24,773.7     | 14.90        | 65.62        | 50.5        | 1060.      | 335.3          |                        |              |                |
| 19.00                   |                 | 0.6875        | 44.950              | 97.986         | 24,502.8     | 14.84        | 65.38        | 50.5        | 1053.      | 334.0          |                        |              |                |
| 20.00                   |                 | 0.6875        | 44.787              | 97.626         | 24,234.0     | 14.78        | 65.15        | 50.5        | 1045.      | 332.8          |                        |              |                |
| 21.00                   |                 | 0.6875        | 44.625              | 97.266         | 23,967.1     | 14.71        | 64.91        | 50.5        | 1037.      | 331.6          |                        |              |                |
| 22.00                   |                 | 0.6875        | 44.462              | 96.906         | 23,702.1     | 14.65        | 64.67        | 50.5        | 1029.      | 330.4          |                        |              |                |
| 23.00                   |                 | 0.6875        | 44.300              | 96.547         | 23,439.1     | 14.59        | 64.44        | 50.5        | 1022.      | 329.1          |                        |              |                |
| 24.00                   |                 | 0.6875        | 44.137              | 96.187         | 23,178.1     | 14.52        | 64.20        | 50.5        | 1014.      | 327.9          |                        |              |                |
| 25.00                   |                 | 0.6875        | 43.975              | 95.827         | 22,919.0     | 14.46        | 63.96        | 50.5        | 1006.      | 326.7          |                        |              |                |
| 26.00                   |                 | 0.6875        | 43.812              | 95.468         | 22,661.9     | 14.40        | 63.73        | 50.5        | 999.2      | 325.5          |                        |              |                |
| 27.00                   |                 | 0.6875        | 43.650              | 95.108         | 22,406.7     | 14.33        | 63.49        | 50.5        | 991.7      | 324.2          |                        |              |                |
| 28.00                   |                 | 0.6875        | 43.487              | 94.748         | 22,153.4     | 14.27        | 63.25        | 50.5        | 984.1      | 323.0          |                        |              |                |
| 29.00                   |                 | 0.6875        | 43.325              | 94.388         | 21,902.0     | 14.21        | 63.02        | 50.5        | 976.6      | 321.8          |                        |              |                |
| 30.00                   |                 | 0.6875        | 43.162              | 94.029         | 21,652.5     | 14.14        | 62.78        | 50.5        | 969.1      | 320.6          |                        |              |                |
| 31.00                   |                 | 0.6875        | 43.000              | 93.669         | 21,405.0     | 14.08        | 62.55        | 50.5        | 961.7      | 319.3          |                        |              |                |
| 32.00                   |                 | 0.6875        | 42.837              | 93.309         | 21,159.3     | 14.02        | 62.31        | 50.5        | 954.2      | 318.1          |                        |              |                |
| 33.00                   |                 | 0.6875        | 42.675              | 92.949         | 20,915.5     | 13.95        | 62.07        | 50.5        | 946.8      | 316.9          |                        |              |                |
| 34.00                   |                 | 0.6875        | 42.512              | 92.590         | 20,673.6     | 13.89        | 61.84        | 50.5        | 939.5      | 315.7          |                        |              |                |
| 35.00                   |                 | 0.6875        | 42.350              | 92.230         | 20,433.6     | 13.83        | 61.60        | 50.5        | 932.1      | 314.4          |                        |              |                |
| 36.00                   |                 | 0.6875        | 42.187              | 91.870         | 20,195.4     | 13.76        | 61.36        | 50.5        | 924.8      | 313.2          |                        |              |                |
| 37.00                   |                 | 0.6875        | 42.025              | 91.510         | 19,959.1     | 13.70        | 61.13        | 50.5        | 917.5      | 312.0          |                        |              |                |
| 38.00                   |                 | 0.6875        | 41.862              | 91.151         | 19,724.6     | 13.64        | 60.89        | 50.5        | 910.2      | 310.8          |                        |              |                |
| 39.00                   |                 | 0.6875        | 41.700              | 90.791         | 19,492.0     | 13.57        | 60.65        | 50.5        | 903.0      | 309.6          |                        |              |                |
| 40.00                   |                 | 0.6875        | 41.537              | 90.431         | 19,261.2     | 13.51        | 60.42        | 50.5        | 895.8      | 308.3          |                        |              |                |
| 41.00                   |                 | 0.6875        | 41.375              | 90.072         | 19,032.3     | 13.45        | 60.18        | 50.5        | 888.6      | 307.1          |                        |              |                |
| 42.00                   |                 | 0.6875        | 41.212              | 89.712         | 18,805.2     | 13.38        | 59.95        | 50.5        | 881.5      | 305.9          |                        |              |                |
| 43.00                   |                 | 0.6875        | 41.050              | 89.352         | 18,579.9     | 13.32        | 59.71        | 50.5        | 874.4      | 304.7          |                        |              |                |
| 44.00                   |                 | 0.6875        | 40.887              | 88.992         | 18,356.3     | 13.26        | 59.47        | 50.5        | 867.3      | 303.4          |                        |              |                |
| 45.00                   |                 | 0.6875        | 40.725              | 88.633         | 18,134.6     | 13.19        | 59.24        | 50.5        | 860.2      | 302.2          |                        |              |                |
| 46.00                   |                 | 0.6875        | 40.562              | 88.273         | 17,914.7     | 13.13        | 59.00        | 50.5        | 853.2      | 301.0          |                        |              |                |
| 47.00                   |                 | 0.6875        | 40.400              | 87.913         | 17,696.6     | 13.07        | 58.76        | 50.5        | 846.2      | 299.8          |                        |              |                |
| 48.00                   |                 | 0.6875        | 40.237              | 87.553         | 17,480.2     | 13.00        | 58.53        | 50.5        | 839.3      | 298.5          |                        |              |                |
| 49.00                   |                 | 0.6875        | 40.075              | 87.194         | 17,265.7     | 12.94        | 58.29        | 50.5        | 832.3      | 297.3          |                        |              |                |
| 50.00                   |                 | 0.6875        | 39.912              | 86.834         | 17,052.8     | 12.88        | 58.05        | 50.5        | 825.4      | 296.1          |                        |              |                |
| 51.00                   |                 | 0.6875        | 39.750              | 86.474         | 16,841.8     | 12.81        | 57.82        | 50.5        | 818.5      | 294.9          |                        |              |                |
| 52.00                   |                 | 0.6875        | 39.587              | 86.114         | 16,632.5     | 12.75        | 57.58        | 50.5        | 811.7      | 293.6          |                        |              |                |
| 53.00                   |                 | 0.6875        | 39.425              | 85.755         | 16,424.9     | 12.69        | 57.35        | 50.5        | 804.8      | 292.4          |                        |              |                |
| 54.00                   |                 | 0.6875        | 39.262              | 85.395         | 16,219.1     | 12.62        | 57.11        | 50.5        | 798.0      | 291.2          |                        |              |                |
| 55.00                   | Top - Section 2 | 0.6875        | 39.100              | 85.035         | 16,014.9     | 12.56        | 56.87        | 50.5        | 791.3      | 290.0          |                        |              |                |
| 55.00                   | Bot - Section 3 | 0.6250        | 39.400              | 78.034         | 14,975.0     | 14.21        | 63.04        | 45.9        | 734.3      |                |                        |              |                |



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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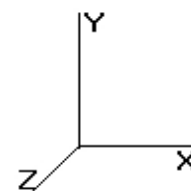
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|       |                 |        |        |        |          |       |        |      |       |       |       |       |      |
|-------|-----------------|--------|--------|--------|----------|-------|--------|------|-------|-------|-------|-------|------|
| 56.00 |                 | 0.6250 | 39.236 | 77.705 | 14,786.6 | 14.14 | 62.78  | 45.9 | 728.0 | 265.0 |       |       |      |
| 57.00 |                 | 0.6250 | 39.073 | 77.377 | 14,599.7 | 14.07 | 62.52  | 45.9 | 721.8 | 263.9 |       |       |      |
| 58.00 |                 | 0.6250 | 38.910 | 77.048 | 14,414.4 | 14.00 | 62.26  | 45.9 | 715.7 | 262.7 |       |       |      |
| 59.00 |                 | 0.6250 | 38.746 | 76.719 | 14,230.7 | 13.93 | 61.99  | 45.9 | 709.5 | 261.6 |       |       |      |
| 60.00 |                 | 0.6250 | 38.583 | 76.391 | 14,048.6 | 13.86 | 61.73  | 45.9 | 703.4 | 260.5 |       |       |      |
| 61.00 |                 | 0.6250 | 38.420 | 76.062 | 13,868.0 | 13.79 | 61.47  | 45.9 | 697.3 | 259.4 |       |       |      |
| 62.00 |                 | 0.6250 | 38.256 | 75.733 | 13,689.0 | 13.72 | 61.21  | 45.9 | 691.3 | 258.3 |       |       |      |
| 63.00 |                 | 0.6250 | 38.093 | 75.404 | 13,511.6 | 13.65 | 60.95  | 45.9 | 685.2 | 257.1 |       |       |      |
| 64.00 |                 | 0.6250 | 37.930 | 75.076 | 13,335.6 | 13.58 | 60.69  | 45.9 | 679.2 | 256.0 |       |       |      |
| 65.00 |                 | 0.6250 | 37.766 | 74.747 | 13,161.2 | 13.51 | 60.43  | 45.9 | 673.2 | 254.9 |       |       |      |
| 66.00 |                 | 0.6250 | 37.603 | 74.418 | 12,988.4 | 13.44 | 60.16  | 45.9 | 667.3 | 253.8 |       |       |      |
| 67.00 |                 | 0.6250 | 37.440 | 74.090 | 12,817.0 | 13.37 | 59.90  | 45.9 | 661.3 | 252.7 |       |       |      |
| 68.00 |                 | 0.6250 | 37.276 | 73.761 | 12,647.2 | 13.30 | 59.64  | 45.9 | 655.4 | 251.6 |       |       |      |
| 69.00 |                 | 0.6250 | 37.113 | 73.432 | 12,478.9 | 13.23 | 59.38  | 45.9 | 649.6 | 250.4 |       |       |      |
| 70.00 |                 | 0.6250 | 36.950 | 73.104 | 12,312.0 | 13.16 | 59.12  | 45.9 | 643.7 | 249.3 |       |       |      |
| 71.00 |                 | 0.6250 | 36.786 | 72.775 | 12,146.7 | 13.09 | 58.86  | 45.9 | 637.9 | 248.2 |       |       |      |
| 72.00 |                 | 0.6250 | 36.623 | 72.446 | 11,982.9 | 13.02 | 58.60  | 45.9 | 632.1 | 247.1 |       |       |      |
| 73.00 |                 | 0.6250 | 36.460 | 72.117 | 11,820.5 | 12.95 | 58.34  | 45.9 | 626.3 | 246.0 |       |       |      |
| 74.00 |                 | 0.6250 | 36.296 | 71.789 | 11,659.6 | 12.88 | 58.07  | 45.9 | 620.6 | 244.8 |       |       |      |
| 75.00 | Top - Section 3 | 0.6250 | 36.133 | 71.460 | 11,500.2 | 12.81 | 57.81  | 45.9 | 614.9 | 243.7 |       |       |      |
| 75.00 | Bot - Section 4 | 0.5000 | 36.133 | 57.369 | 9,297.5  | 16.68 | 72.27  | 50.9 | 497.1 |       |       |       |      |
| 76.00 |                 | 0.5000 | 35.970 | 57.106 | 9,170.2  | 16.60 | 71.94  | 50.9 | 492.5 | 194.8 |       |       |      |
| 77.00 |                 | 0.5000 | 35.806 | 56.843 | 9,044.1  | 16.51 | 71.61  | 50.9 | 488.0 | 193.9 |       |       |      |
| 78.00 |                 | 0.5000 | 35.643 | 56.580 | 8,919.2  | 16.42 | 71.29  | 50.9 | 483.4 | 193.0 |       |       |      |
| 79.00 |                 | 0.5000 | 35.480 | 56.317 | 8,795.4  | 16.33 | 70.96  | 50.9 | 478.9 | 192.1 |       |       |      |
| 80.00 |                 | 0.5000 | 35.316 | 56.054 | 8,672.8  | 16.25 | 70.63  | 50.9 | 474.4 | 191.2 |       |       |      |
| 81.00 |                 | 0.5000 | 35.153 | 55.791 | 8,551.3  | 16.16 | 70.31  | 50.9 | 469.9 | 190.3 |       |       |      |
| 82.00 |                 | 0.5000 | 34.990 | 55.528 | 8,430.9  | 16.07 | 69.98  | 50.9 | 465.5 | 189.4 |       |       |      |
| 83.00 |                 | 0.5000 | 34.826 | 55.265 | 8,311.7  | 15.98 | 69.65  | 50.9 | 461.1 | 188.5 |       |       |      |
| 84.00 |                 | 0.5000 | 34.663 | 55.002 | 8,193.6  | 15.90 | 69.33  | 50.9 | 456.7 | 187.6 |       |       |      |
| 84.67 | Reinf Bottom    | 0.5000 | 34.553 | 54.826 | 8,115.1  | 15.84 | 69.11  | 50.9 | 453.7 | 125.2 |       |       |      |
| 85.00 | Top - Section 4 | 0.5000 | 34.500 | 54.739 | 8,076.7  | 15.81 | 69.00  | 50.9 | 452.3 | 61.5  | 14.73 | 4,723 | 16.5 |
| 85.00 | Bot - Section 5 | 0.2500 | 25.230 | 20.109 | 1,601.6  | 24.36 | 100.92 | 78.1 | 122.6 |       | 14.73 | 4,723 |      |
| 86.00 |                 | 0.2500 | 25.071 | 19.981 | 1,571.2  | 24.19 | 100.28 | 78.3 | 121.1 | 68.2  | 14.73 | 3,129 | 50.1 |
| 87.00 |                 | 0.2500 | 24.912 | 19.853 | 1,541.1  | 24.02 | 99.65  | 78.5 | 119.5 | 67.8  | 14.73 | 3,105 | 50.1 |
| 88.00 |                 | 0.2500 | 24.752 | 19.724 | 1,511.5  | 23.85 | 99.01  | 78.7 | 118.0 | 67.3  | 14.73 | 3,081 | 50.1 |
| 89.00 |                 | 0.2500 | 24.593 | 19.596 | 1,482.2  | 23.68 | 98.37  | 78.9 | 116.4 | 66.9  | 14.73 | 3,057 | 50.1 |
| 90.00 |                 | 0.2500 | 24.434 | 19.468 | 1,453.3  | 23.51 | 97.74  | 79.1 | 114.9 | 66.5  | 14.73 | 3,033 | 50.1 |
| 91.00 |                 | 0.2500 | 24.275 | 19.340 | 1,424.8  | 23.34 | 97.10  | 79.3 | 113.4 | 66.0  | 14.73 | 3,010 | 50.1 |
| 92.00 |                 | 0.2500 | 24.116 | 19.212 | 1,396.7  | 23.17 | 96.46  | 79.4 | 111.9 | 65.6  | 14.73 | 2,986 | 50.1 |
| 93.00 |                 | 0.2500 | 23.956 | 19.084 | 1,368.9  | 23.00 | 95.83  | 79.6 | 110.4 | 65.2  | 14.73 | 2,963 | 50.1 |
| 94.00 |                 | 0.2500 | 23.797 | 18.955 | 1,341.5  | 22.83 | 95.19  | 79.8 | 108.9 | 64.7  | 14.73 | 2,939 | 50.1 |
| 95.00 |                 | 0.2500 | 23.638 | 18.827 | 1,314.5  | 22.66 | 94.55  | 80.0 | 107.4 | 64.3  | 14.73 | 2,916 | 50.1 |
| 95.44 | Reinf. Top      | 0.2500 | 23.568 | 18.771 | 1,302.7  | 22.58 | 94.27  | 80.1 | 106.8 | 28.1  | 14.73 | 2,906 | 22.0 |
| 96.00 |                 | 0.2500 | 23.479 | 18.699 | 1,287.8  | 22.48 | 93.91  | 80.2 | 106.0 | 35.7  |       |       |      |
| 97.00 |                 | 0.2500 | 23.319 | 18.571 | 1,261.5  | 22.31 | 93.28  | 80.4 | 104.5 | 63.4  |       |       |      |
| 98.00 |                 | 0.2500 | 23.160 | 18.443 | 1,235.6  | 22.14 | 92.64  | 80.6 | 103.1 | 63.0  |       |       |      |
| 99.00 |                 | 0.2500 | 23.001 | 18.315 | 1,210.0  | 21.97 | 92.00  | 80.7 | 101.6 | 62.5  |       |       |      |
| 100.0 |                 | 0.2500 | 22.842 | 18.186 | 1,184.8  | 21.80 | 91.37  | 80.9 | 100.2 | 62.1  |       |       |      |
| 101.0 |                 | 0.2500 | 22.683 | 18.058 | 1,159.9  | 21.63 | 90.73  | 81.1 | 98.8  | 61.7  |       |       |      |
| 102.0 |                 | 0.2500 | 22.524 | 17.930 | 1,135.4  | 21.46 | 90.09  | 81.3 | 97.4  | 61.2  |       |       |      |
| 103.0 |                 | 0.2500 | 22.364 | 17.802 | 1,111.2  | 21.29 | 89.46  | 81.5 | 96.0  | 60.8  |       |       |      |
| 104.0 |                 | 0.2500 | 22.205 | 17.674 | 1,087.4  | 21.12 | 88.82  | 81.7 | 94.6  | 60.4  |       |       |      |
| 105.0 |                 | 0.2500 | 22.046 | 17.546 | 1,063.9  | 20.95 | 88.18  | 81.9 | 93.2  | 59.9  |       |       |      |
| 106.0 |                 | 0.2500 | 21.887 | 17.418 | 1,040.8  | 20.78 | 87.55  | 81.9 | 91.9  | 59.5  |       |       |      |
| 107.0 |                 | 0.2500 | 21.728 | 17.289 | 1,018.0  | 20.61 | 86.91  | 81.9 | 90.5  | 59.0  |       |       |      |
| 108.0 |                 | 0.2500 | 21.568 | 17.161 | 995.5    | 20.44 | 86.27  | 81.9 | 89.2  | 58.6  |       |       |      |
| 109.0 |                 | 0.2500 | 21.409 | 17.033 | 973.4    | 20.27 | 85.64  | 81.9 | 87.8  | 58.2  |       |       |      |
| 110.0 | Top - Section 5 | 0.2500 | 21.250 | 16.905 | 951.6    | 20.10 | 85.00  | 81.9 | 86.5  | 57.7  |       |       |      |
| 110.0 | Bot - Section 6 | 0.1875 | 21.250 | 12.716 | 720.1    | 27.69 | 113.33 | 74.5 | 65.5  |       |       |       |      |
| 111.0 |                 | 0.1875 | 21.094 | 12.622 | 704.2    | 27.46 | 112.50 | 74.8 | 64.5  | 43.1  |       |       |      |
| 112.0 |                 | 0.1875 | 20.938 | 12.528 | 688.5    | 27.24 | 111.67 | 75.0 | 63.5  | 42.8  |       |       |      |
| 113.0 |                 | 0.1875 | 20.781 | 12.433 | 673.1    | 27.02 | 110.83 | 75.2 | 62.6  | 42.5  |       |       |      |
| 114.0 |                 | 0.1875 | 20.625 | 12.339 | 657.8    | 26.79 | 110.00 | 75.5 | 61.6  | 42.1  |       |       |      |

Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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|       |        |        |        |       |       |        |      |      |      |
|-------|--------|--------|--------|-------|-------|--------|------|------|------|
| 115.0 | 0.1875 | 20.469 | 12.245 | 642.9 | 26.57 | 109.17 | 75.7 | 60.7 | 41.8 |
| 116.0 | 0.1875 | 20.313 | 12.150 | 628.1 | 26.35 | 108.33 | 76.0 | 59.7 | 41.5 |
| 117.0 | 0.1875 | 20.156 | 12.056 | 613.6 | 26.13 | 107.50 | 76.2 | 58.8 | 41.2 |
| 118.0 | 0.1875 | 20.000 | 11.962 | 599.3 | 25.90 | 106.67 | 76.5 | 57.9 | 40.9 |
| 119.0 | 0.1875 | 19.844 | 11.867 | 585.3 | 25.68 | 105.83 | 76.7 | 57.0 | 40.5 |
| 120.0 | 0.1875 | 19.688 | 11.773 | 571.4 | 25.46 | 105.00 | 77.0 | 56.1 | 40.2 |
| 121.0 | 0.1875 | 19.531 | 11.679 | 557.8 | 25.23 | 104.17 | 77.2 | 55.2 | 39.9 |
| 122.0 | 0.1875 | 19.375 | 11.584 | 544.4 | 25.01 | 103.33 | 77.4 | 54.3 | 39.6 |
| 123.0 | 0.1875 | 19.219 | 11.490 | 531.2 | 24.79 | 102.50 | 77.7 | 53.4 | 39.3 |
| 124.0 | 0.1875 | 19.063 | 11.396 | 518.2 | 24.56 | 101.67 | 77.9 | 52.5 | 38.9 |
| 125.0 | 0.1875 | 18.906 | 11.301 | 505.4 | 24.34 | 100.83 | 78.2 | 51.6 | 38.6 |
| 126.0 | 0.1875 | 18.750 | 11.207 | 492.9 | 24.12 | 100.00 | 78.4 | 50.8 | 38.3 |
| 127.0 | 0.1875 | 18.594 | 11.113 | 480.6 | 23.89 | 99.17  | 78.7 | 49.9 | 38.0 |
| 128.0 | 0.1875 | 18.438 | 11.018 | 468.4 | 23.67 | 98.33  | 78.9 | 49.1 | 37.7 |
| 129.0 | 0.1875 | 18.281 | 10.924 | 456.5 | 23.45 | 97.50  | 79.1 | 48.2 | 37.3 |
| 130.0 | 0.1875 | 18.125 | 10.830 | 444.8 | 23.22 | 96.67  | 79.4 | 47.4 | 37.0 |
| 131.0 | 0.1875 | 17.969 | 10.735 | 433.2 | 23.00 | 95.83  | 79.6 | 46.6 | 36.7 |
| 132.0 | 0.1875 | 17.813 | 10.641 | 421.9 | 22.78 | 95.00  | 79.9 | 45.8 | 36.4 |
| 133.0 | 0.1875 | 17.656 | 10.547 | 410.8 | 22.55 | 94.17  | 80.1 | 44.9 | 36.0 |
| 134.0 | 0.1875 | 17.500 | 10.452 | 399.9 | 22.33 | 93.33  | 80.4 | 44.1 | 35.7 |
| 135.0 | 0.1875 | 17.344 | 10.358 | 389.1 | 22.11 | 92.50  | 80.6 | 43.3 | 35.4 |
| 136.0 | 0.1875 | 17.188 | 10.264 | 378.6 | 21.88 | 91.67  | 80.8 | 42.6 | 35.1 |
| 137.0 | 0.1875 | 17.031 | 10.169 | 368.3 | 21.66 | 90.83  | 81.1 | 41.8 | 34.8 |
| 138.0 | 0.1875 | 16.875 | 10.075 | 358.1 | 21.44 | 90.00  | 81.3 | 41.0 | 34.4 |
| 139.0 | 0.1875 | 16.719 | 9.981  | 348.1 | 21.21 | 89.17  | 81.6 | 40.2 | 34.1 |
| 140.0 | 0.1875 | 16.563 | 9.886  | 338.4 | 20.99 | 88.33  | 81.8 | 39.5 | 33.8 |
| 141.0 | 0.1875 | 16.406 | 9.792  | 328.8 | 20.77 | 87.50  | 81.9 | 38.7 | 33.5 |
| 142.0 | 0.1875 | 16.250 | 9.698  | 319.4 | 20.54 | 86.67  | 81.9 | 38.0 | 33.2 |
| 143.0 | 0.1875 | 16.094 | 9.603  | 310.1 | 20.32 | 85.83  | 81.9 | 37.2 | 32.8 |
| 144.0 | 0.1875 | 15.938 | 9.509  | 301.1 | 20.10 | 85.00  | 81.9 | 36.5 | 32.5 |
| 145.0 | 0.1875 | 15.781 | 9.415  | 292.2 | 19.87 | 84.17  | 81.9 | 35.8 | 32.2 |
| 146.0 | 0.1875 | 15.625 | 9.320  | 283.5 | 19.65 | 83.33  | 81.9 | 35.1 | 31.9 |
| 147.0 | 0.1875 | 15.469 | 9.226  | 275.0 | 19.43 | 82.50  | 81.9 | 34.3 | 31.6 |
| 148.0 | 0.1875 | 15.313 | 9.132  | 266.6 | 19.20 | 81.67  | 81.9 | 33.6 | 31.2 |
| 149.0 | 0.1875 | 15.156 | 9.037  | 258.5 | 18.98 | 80.83  | 81.9 | 32.9 | 30.9 |
| 150.0 | 0.1875 | 15.000 | 8.943  | 250.5 | 18.76 | 80.00  | 81.9 | 32.3 | 30.6 |

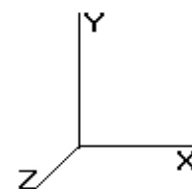
28,623.6

539.6

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

## Shaft Segment Forces (Factored)

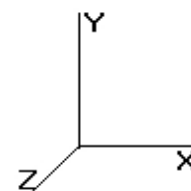
| Seg Top |                 |      |      |        |       |          |       |         |           |       |      |         |          |          |
|---------|-----------------|------|------|--------|-------|----------|-------|---------|-----------|-------|------|---------|----------|----------|
| Elev    | Description     | Kzt  | Kz   | qz     | qzGh  | C        | Cf    | Ice     | Tributary | Ap    | EPAs | Wind    | Dead     | Tot Dead |
| (ft)    |                 |      |      | (psf)  | (psf) | (mph-ft) |       | Thick   | (ft)      | (sf)  | (sf) | Force X | Load Ice | Load     |
|         |                 |      |      |        |       |          |       | (in)    |           |       |      | (lb)    | (lb)     | (lb)     |
| 0.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 369.60   | 1.000 | 0.000   | 0.00      | 0.000 | 0.00 | 0.0     | 0.0      | 0.0      |
| 1.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 365.71   | 1.000 | 0.000   | 1.00      | 4.626 | 4.63 | 125.1   | 0.0      | 521.3    |
| 2.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 361.82   | 1.000 | 0.000   | 1.00      | 4.577 | 4.58 | 123.8   | 0.0      | 515.7    |
| 3.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 357.93   | 1.000 | 0.000   | 1.00      | 4.528 | 4.53 | 122.4   | 0.0      | 510.1    |
| 4.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 354.05   | 1.000 | 0.000   | 1.00      | 4.479 | 4.48 | 121.1   | 0.0      | 504.6    |
| 5.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 350.16   | 1.000 | 0.000   | 1.00      | 4.430 | 4.43 | 119.8   | 0.0      | 499.0    |
| 6.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 346.27   | 1.200 | * 0.000 | 1.00      | 4.381 | 5.26 | 142.2   | 0.0      | 493.4    |
| 7.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 342.38   | 1.200 | * 0.000 | 1.00      | 4.332 | 5.20 | 140.6   | 0.0      | 487.8    |
| 8.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 338.49   | 1.200 | * 0.000 | 1.00      | 4.283 | 5.14 | 139.0   | 0.0      | 482.2    |
| 9.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 334.60   | 1.200 | * 0.000 | 1.00      | 4.234 | 5.08 | 137.4   | 0.0      | 476.6    |
| 10.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 330.72   | 1.200 | * 0.000 | 1.00      | 4.185 | 5.02 | 135.8   | 0.0      | 471.0    |
| 11.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 326.83   | 1.200 | * 0.000 | 1.00      | 4.136 | 4.96 | 134.2   | 0.0      | 465.4    |
| 12.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 322.94   | 1.200 | * 0.000 | 1.00      | 4.088 | 4.91 | 132.6   | 0.0      | 459.8    |
| 13.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 319.05   | 1.200 | * 0.000 | 1.00      | 4.039 | 4.85 | 131.0   | 0.0      | 454.2    |
| 14.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 315.16   | 1.200 | * 0.000 | 1.00      | 3.990 | 4.79 | 129.5   | 0.0      | 448.6    |
| 15.00   | Top - Section 1 | 1.00 | 0.70 | 15.364 | 16.90 | 311.28   | 1.200 | * 0.000 | 1.00      | 3.941 | 4.73 | 127.9   | 0.0      | 443.0    |
| 16.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 311.57   | 1.200 | * 0.000 | 1.00      | 3.927 | 4.71 | 127.4   | 0.0      | 405.2    |
| 17.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 310.45   | 1.200 | * 0.000 | 1.00      | 3.913 | 4.70 | 127.0   | 0.0      | 403.8    |
| 18.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 309.34   | 1.200 | * 0.000 | 1.00      | 3.899 | 4.68 | 126.5   | 0.0      | 402.3    |
| 19.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 308.23   | 1.200 | * 0.000 | 1.00      | 3.885 | 4.66 | 126.1   | 0.0      | 400.8    |
| 20.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 307.11   | 1.200 | * 0.000 | 1.00      | 3.871 | 4.65 | 125.6   | 0.0      | 399.4    |
| 21.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 306.00   | 1.200 | * 0.000 | 1.00      | 3.857 | 4.63 | 125.2   | 0.0      | 397.9    |
| 22.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 304.88   | 1.200 | * 0.000 | 1.00      | 3.843 | 4.61 | 124.7   | 0.0      | 396.4    |
| 23.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 303.77   | 1.200 | * 0.000 | 1.00      | 3.829 | 4.59 | 124.2   | 0.0      | 395.0    |
| 24.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 302.65   | 1.200 | * 0.000 | 1.00      | 3.815 | 4.58 | 123.8   | 0.0      | 393.5    |
| 25.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 301.54   | 1.200 | * 0.000 | 1.00      | 3.801 | 4.56 | 123.3   | 0.0      | 392.0    |
| 26.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 300.43   | 1.200 | * 0.000 | 1.00      | 3.787 | 4.54 | 122.9   | 0.0      | 390.6    |
| 27.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 299.31   | 1.200 | * 0.000 | 1.00      | 3.773 | 4.53 | 122.4   | 0.0      | 389.1    |
| 28.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 298.20   | 1.200 | * 0.000 | 1.00      | 3.759 | 4.51 | 122.0   | 0.0      | 387.6    |
| 29.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 297.08   | 1.200 | * 0.000 | 1.00      | 3.745 | 4.49 | 121.5   | 0.0      | 386.2    |
| 30.00   |                 | 1.00 | 0.70 | 15.377 | 16.91 | 296.09   | 1.200 | * 0.000 | 1.00      | 3.731 | 4.48 | 121.2   | 0.0      | 384.7    |
| 31.00   |                 | 1.00 | 0.70 | 15.522 | 17.07 | 296.36   | 1.200 | * 0.000 | 1.00      | 3.717 | 4.46 | 121.8   | 0.0      | 383.2    |
| 32.00   |                 | 1.00 | 0.71 | 15.663 | 17.23 | 296.59   | 1.200 | * 0.000 | 1.00      | 3.703 | 4.44 | 122.5   | 0.0      | 381.7    |
| 33.00   |                 | 1.00 | 0.72 | 15.802 | 17.38 | 296.76   | 1.200 | * 0.000 | 1.00      | 3.689 | 4.43 | 123.1   | 0.0      | 380.3    |
| 34.00   |                 | 1.00 | 0.72 | 15.937 | 17.53 | 296.90   | 1.200 | * 0.000 | 1.00      | 3.675 | 4.41 | 123.7   | 0.0      | 378.8    |
| 35.00   |                 | 1.00 | 0.73 | 16.070 | 17.67 | 296.99   | 1.200 | * 0.000 | 1.00      | 3.661 | 4.39 | 124.2   | 0.0      | 377.3    |
| 36.00   |                 | 1.00 | 0.73 | 16.199 | 17.81 | 297.04   | 1.200 | * 0.000 | 1.00      | 3.647 | 4.38 | 124.8   | 0.0      | 375.9    |
| 37.00   |                 | 1.00 | 0.74 | 16.327 | 17.95 | 297.06   | 1.200 | * 0.000 | 1.00      | 3.633 | 4.36 | 125.3   | 0.0      | 374.4    |
| 38.00   |                 | 1.00 | 0.75 | 16.452 | 18.09 | 297.04   | 1.200 | * 0.000 | 1.00      | 3.619 | 4.34 | 125.7   | 0.0      | 372.9    |
| 39.00   |                 | 1.00 | 0.75 | 16.574 | 18.23 | 296.99   | 1.200 | * 0.000 | 1.00      | 3.605 | 4.33 | 126.2   | 0.0      | 371.5    |
| 40.00   |                 | 1.00 | 0.76 | 16.694 | 18.36 | 296.90   | 1.200 | * 0.000 | 1.00      | 3.591 | 4.31 | 126.6   | 0.0      | 370.0    |
| 41.00   |                 | 1.00 | 0.76 | 16.813 | 18.49 | 296.78   | 1.200 | * 0.000 | 1.00      | 3.577 | 4.29 | 127.0   | 0.0      | 368.5    |
| 42.00   |                 | 1.00 | 0.77 | 16.929 | 18.62 | 296.64   | 1.200 | * 0.000 | 1.00      | 3.563 | 4.28 | 127.4   | 0.0      | 367.1    |
| 43.00   |                 | 1.00 | 0.77 | 17.043 | 18.74 | 296.46   | 1.200 | * 0.000 | 1.00      | 3.548 | 4.26 | 127.7   | 0.0      | 365.6    |
| 44.00   |                 | 1.00 | 0.78 | 17.155 | 18.87 | 296.26   | 1.200 | * 0.000 | 1.00      | 3.534 | 4.24 | 128.1   | 0.0      | 364.1    |
| 45.00   |                 | 1.00 | 0.78 | 17.266 | 18.99 | 296.03   | 1.200 | * 0.000 | 1.00      | 3.520 | 4.22 | 128.4   | 0.0      | 362.7    |
| 46.00   |                 | 1.00 | 0.79 | 17.375 | 19.11 | 295.78   | 1.200 | * 0.000 | 1.00      | 3.506 | 4.21 | 128.7   | 0.0      | 361.2    |
| 47.00   |                 | 1.00 | 0.79 | 17.482 | 19.23 | 295.50   | 1.200 | * 0.000 | 1.00      | 3.492 | 4.19 | 128.9   | 0.0      | 359.7    |
| 48.00   |                 | 1.00 | 0.80 | 17.587 | 19.34 | 295.20   | 1.200 | * 0.000 | 1.00      | 3.478 | 4.17 | 129.2   | 0.0      | 358.2    |
| 49.00   |                 | 1.00 | 0.80 | 17.691 | 19.46 | 294.87   | 1.200 | * 0.000 | 1.00      | 3.464 | 4.16 | 129.4   | 0.0      | 356.8    |
| 50.00   |                 | 1.00 | 0.81 | 17.793 | 19.57 | 294.53   | 1.200 | * 0.000 | 1.00      | 3.450 | 4.14 | 129.7   | 0.0      | 355.3    |



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

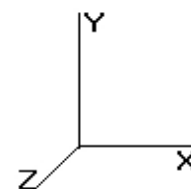
Wind Load Factor : 1.60

|       |                 |      |      |        |       |        |       |   |       |      |       |      |       |     |       |
|-------|-----------------|------|------|--------|-------|--------|-------|---|-------|------|-------|------|-------|-----|-------|
| 51.00 |                 | 1.00 | 0.81 | 17.894 | 19.68 | 294.16 | 1.200 | * | 0.000 | 1.00 | 3.436 | 4.12 | 129.9 | 0.0 | 353.8 |
| 52.00 |                 | 1.00 | 0.82 | 17.994 | 19.79 | 293.77 | 1.200 | * | 0.000 | 1.00 | 3.422 | 4.11 | 130.1 | 0.0 | 352.4 |
| 53.00 |                 | 1.00 | 0.82 | 18.092 | 19.90 | 293.36 | 1.200 | * | 0.000 | 1.00 | 3.408 | 4.09 | 130.2 | 0.0 | 350.9 |
| 54.00 |                 | 1.00 | 0.82 | 18.189 | 20.00 | 292.93 | 1.200 | * | 0.000 | 1.00 | 3.394 | 4.07 | 130.4 | 0.0 | 349.4 |
| 55.00 | Top - Section 2 | 1.00 | 0.83 | 18.285 | 20.11 | 292.49 | 1.200 | * | 0.000 | 1.00 | 3.380 | 4.06 | 130.5 | 0.0 | 348.0 |
| 56.00 |                 | 1.00 | 0.83 | 18.379 | 20.21 | 294.26 | 1.200 | * | 0.000 | 1.00 | 3.392 | 4.07 | 131.7 | 0.0 | 318.0 |
| 57.00 |                 | 1.00 | 0.84 | 18.472 | 20.31 | 293.78 | 1.200 | * | 0.000 | 1.00 | 3.378 | 4.05 | 131.8 | 0.0 | 316.6 |
| 58.00 |                 | 1.00 | 0.84 | 18.564 | 20.42 | 293.28 | 1.200 | * | 0.000 | 1.00 | 3.364 | 4.04 | 131.9 | 0.0 | 315.3 |
| 59.00 |                 | 1.00 | 0.85 | 18.655 | 20.52 | 292.76 | 1.200 | * | 0.000 | 1.00 | 3.350 | 4.02 | 132.0 | 0.0 | 313.9 |
| 60.00 |                 | 1.00 | 0.85 | 18.745 | 20.61 | 292.23 | 1.200 | * | 0.000 | 1.00 | 3.336 | 4.00 | 132.1 | 0.0 | 312.6 |
| 61.00 |                 | 1.00 | 0.85 | 18.834 | 20.71 | 291.68 | 1.200 | * | 0.000 | 1.00 | 3.322 | 3.99 | 132.1 | 0.0 | 311.3 |
| 62.00 |                 | 1.00 | 0.86 | 18.921 | 20.81 | 291.12 | 1.200 | * | 0.000 | 1.00 | 3.308 | 3.97 | 132.2 | 0.0 | 309.9 |
| 63.00 |                 | 1.00 | 0.86 | 19.008 | 20.90 | 290.54 | 1.200 | * | 0.000 | 1.00 | 3.293 | 3.95 | 132.2 | 0.0 | 308.6 |
| 64.00 |                 | 1.00 | 0.87 | 19.094 | 21.00 | 289.94 | 1.200 | * | 0.000 | 1.00 | 3.279 | 3.94 | 132.2 | 0.0 | 307.2 |
| 65.00 |                 | 1.00 | 0.87 | 19.179 | 21.09 | 289.33 | 1.200 | * | 0.000 | 1.00 | 3.265 | 3.92 | 132.3 | 0.0 | 305.9 |
| 66.00 |                 | 1.00 | 0.87 | 19.262 | 21.18 | 288.71 | 1.200 | * | 0.000 | 1.00 | 3.251 | 3.90 | 132.3 | 0.0 | 304.5 |
| 67.00 |                 | 1.00 | 0.88 | 19.345 | 21.28 | 288.08 | 1.200 | * | 0.000 | 1.00 | 3.237 | 3.88 | 132.3 | 0.0 | 303.2 |
| 68.00 |                 | 1.00 | 0.88 | 19.427 | 21.37 | 287.43 | 1.200 | * | 0.000 | 1.00 | 3.223 | 3.87 | 132.2 | 0.0 | 301.9 |
| 69.00 |                 | 1.00 | 0.88 | 19.509 | 21.45 | 286.77 | 1.200 | * | 0.000 | 1.00 | 3.209 | 3.85 | 132.2 | 0.0 | 300.5 |
| 70.00 |                 | 1.00 | 0.89 | 19.589 | 21.54 | 286.09 | 1.200 | * | 0.000 | 1.00 | 3.195 | 3.83 | 132.2 | 0.0 | 299.2 |
| 71.00 |                 | 1.00 | 0.89 | 19.669 | 21.63 | 285.40 | 1.200 | * | 0.000 | 1.00 | 3.181 | 3.82 | 132.1 | 0.0 | 297.8 |
| 72.00 |                 | 1.00 | 0.90 | 19.747 | 21.72 | 284.70 | 1.200 | * | 0.000 | 1.00 | 3.167 | 3.80 | 132.1 | 0.0 | 296.5 |
| 73.00 |                 | 1.00 | 0.90 | 19.825 | 21.80 | 283.99 | 1.200 | * | 0.000 | 1.00 | 3.153 | 3.78 | 132.0 | 0.0 | 295.2 |
| 74.00 |                 | 1.00 | 0.90 | 19.902 | 21.89 | 283.27 | 1.200 | * | 0.000 | 1.00 | 3.138 | 3.77 | 131.9 | 0.0 | 293.8 |
| 75.00 | Top - Section 3 | 1.00 | 0.91 | 19.979 | 21.97 | 282.54 | 1.200 | * | 0.000 | 1.00 | 3.124 | 3.75 | 131.8 | 0.0 | 292.5 |
| 76.00 |                 | 1.00 | 0.91 | 20.055 | 22.06 | 281.79 | 1.200 | * | 0.000 | 1.00 | 3.110 | 3.73 | 131.7 | 0.0 | 233.7 |
| 77.00 |                 | 1.00 | 0.91 | 20.130 | 22.14 | 281.04 | 1.200 | * | 0.000 | 1.00 | 3.096 | 3.72 | 131.6 | 0.0 | 232.6 |
| 78.00 |                 | 1.00 | 0.92 | 20.204 | 22.22 | 280.27 | 1.200 | * | 0.000 | 1.00 | 3.082 | 3.70 | 131.5 | 0.0 | 231.6 |
| 79.00 |                 | 1.00 | 0.92 | 20.278 | 22.30 | 279.50 | 1.200 | * | 0.000 | 1.00 | 3.068 | 3.68 | 131.4 | 0.0 | 230.5 |
| 80.00 |                 | 1.00 | 0.92 | 20.351 | 22.38 | 278.71 | 1.200 | * | 0.000 | 1.00 | 3.054 | 3.66 | 131.3 | 0.0 | 229.4 |
| 81.00 |                 | 1.00 | 0.93 | 20.423 | 22.46 | 277.91 | 1.200 | * | 0.000 | 1.00 | 3.040 | 3.65 | 131.1 | 0.0 | 228.4 |
| 82.00 |                 | 1.00 | 0.93 | 20.495 | 22.54 | 277.11 | 1.200 | * | 0.000 | 1.00 | 3.026 | 3.63 | 131.0 | 0.0 | 227.3 |
| 83.00 |                 | 1.00 | 0.93 | 20.566 | 22.62 | 276.29 | 1.200 | * | 0.000 | 1.00 | 3.012 | 3.61 | 130.8 | 0.0 | 226.2 |
| 84.00 |                 | 1.00 | 0.94 | 20.636 | 22.70 | 275.47 | 1.200 | * | 0.000 | 1.00 | 2.998 | 3.60 | 130.6 | 0.0 | 225.1 |
| 84.67 | Reinf Bottom    | 1.00 | 0.94 | 20.683 | 22.75 | 274.91 | 1.200 | * | 0.000 | 0.67 | 2.000 | 2.40 | 87.4  | 0.0 | 150.2 |
| 85.00 | Top - Section 4 | 1.00 | 0.94 | 20.706 | 22.77 | 274.63 | 1.200 | * | 0.000 | 0.33 | 0.983 | 1.18 | 43.0  | 0.0 | 90.4  |
| 86.00 |                 | 1.00 | 0.94 | 20.776 | 22.85 | 199.91 | 1.276 | * | 0.000 | 1.00 | 2.170 | 2.77 | 101.2 | 0.0 | 131.9 |
| 87.00 |                 | 1.00 | 0.95 | 20.844 | 22.92 | 198.97 | 1.280 | * | 0.000 | 1.00 | 2.156 | 2.76 | 101.2 | 0.0 | 131.4 |
| 88.00 |                 | 1.00 | 0.95 | 20.913 | 23.00 | 198.02 | 1.283 | * | 0.000 | 1.00 | 2.142 | 2.75 | 101.2 | 0.0 | 130.9 |
| 89.00 |                 | 1.00 | 0.95 | 20.980 | 23.07 | 197.06 | 1.287 | * | 0.000 | 1.00 | 2.129 | 2.74 | 101.2 | 0.0 | 130.4 |
| 90.00 |                 | 1.00 | 0.95 | 21.047 | 23.15 | 196.10 | 1.291 | * | 0.000 | 1.00 | 2.115 | 2.73 | 101.1 | 0.0 | 129.9 |
| 91.00 |                 | 1.00 | 0.96 | 21.114 | 23.22 | 195.13 | 1.295 | * | 0.000 | 1.00 | 2.101 | 2.72 | 101.1 | 0.0 | 129.3 |
| 92.00 |                 | 1.00 | 0.96 | 21.180 | 23.29 | 194.15 | 1.299 | * | 0.000 | 1.00 | 2.087 | 2.71 | 101.1 | 0.0 | 128.8 |
| 93.00 |                 | 1.00 | 0.96 | 21.245 | 23.37 | 193.17 | 1.200 | * | 0.000 | 1.00 | 2.074 | 2.49 | 93.0  | 0.0 | 128.3 |
| 94.00 |                 | 1.00 | 0.97 | 21.310 | 23.44 | 192.18 | 1.200 | * | 0.000 | 1.00 | 2.060 | 2.47 | 92.7  | 0.0 | 127.8 |
| 95.00 |                 | 1.00 | 0.97 | 21.375 | 23.51 | 191.18 | 1.200 | * | 0.000 | 1.00 | 2.046 | 2.46 | 92.4  | 0.0 | 127.2 |
| 95.44 | Reinf. Top      | 1.00 | 0.97 | 21.403 | 23.54 | 190.74 | 1.200 | * | 0.000 | 0.44 | 0.896 | 1.08 | 40.5  | 0.0 | 55.8  |
| 96.00 |                 | 1.00 | 0.97 | 21.439 | 23.58 | 190.18 | 1.200 | * | 0.000 | 0.56 | 1.136 | 1.36 | 51.5  | 0.0 | 42.8  |
| 97.00 |                 | 1.00 | 0.98 | 21.503 | 23.65 | 189.17 | 1.200 | * | 0.000 | 1.00 | 2.019 | 2.42 | 91.7  | 0.0 | 76.1  |
| 98.00 |                 | 1.00 | 0.98 | 21.566 | 23.72 | 188.15 | 1.200 | * | 0.000 | 1.00 | 2.005 | 2.41 | 91.3  | 0.0 | 75.6  |
| 99.00 |                 | 1.00 | 0.98 | 21.628 | 23.79 | 187.13 | 1.200 | * | 0.000 | 1.00 | 1.991 | 2.39 | 91.0  | 0.0 | 75.0  |
| 100.0 |                 | 1.00 | 0.98 | 21.690 | 23.86 | 186.10 | 1.200 | * | 0.000 | 1.00 | 1.978 | 2.37 | 90.6  | 0.0 | 74.5  |
| 101.0 |                 | 1.00 | 0.99 | 21.752 | 23.92 | 185.07 | 1.000 |   | 0.000 | 1.00 | 1.964 | 1.96 | 75.2  | 0.0 | 74.0  |
| 102.0 |                 | 1.00 | 0.99 | 21.814 | 23.99 | 184.03 | 1.000 |   | 0.000 | 1.00 | 1.950 | 1.95 | 74.9  | 0.0 | 73.5  |
| 103.0 |                 | 1.00 | 0.99 | 21.874 | 24.06 | 182.98 | 1.000 |   | 0.000 | 1.00 | 1.936 | 1.94 | 74.5  | 0.0 | 73.0  |
| 104.0 |                 | 1.00 | 0.99 | 21.935 | 24.12 | 181.93 | 1.000 |   | 0.000 | 1.00 | 1.923 | 1.92 | 74.2  | 0.0 | 72.4  |
| 105.0 |                 | 1.00 | 1.00 | 21.995 | 24.19 | 180.87 | 1.000 |   | 0.000 | 1.00 | 1.909 | 1.91 | 73.9  | 0.0 | 71.9  |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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Page: 8

**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

|       |                 |      |      |        |       |        |       |       |      |       |      |      |     |      |
|-------|-----------------|------|------|--------|-------|--------|-------|-------|------|-------|------|------|-----|------|
| 106.0 |                 | 1.00 | 1.00 | 22.055 | 24.26 | 179.81 | 1.000 | 0.000 | 1.00 | 1.895 | 1.90 | 73.6 | 0.0 | 71.4 |
| 107.0 |                 | 1.00 | 1.00 | 22.114 | 24.32 | 178.74 | 1.000 | 0.000 | 1.00 | 1.881 | 1.88 | 73.2 | 0.0 | 70.9 |
| 108.0 |                 | 1.00 | 1.01 | 22.173 | 24.39 | 177.67 | 1.000 | 0.000 | 1.00 | 1.868 | 1.87 | 72.9 | 0.0 | 70.3 |
| 109.0 |                 | 1.00 | 1.01 | 22.231 | 24.45 | 176.59 | 1.000 | 0.000 | 1.00 | 1.854 | 1.85 | 72.5 | 0.0 | 69.8 |
| 110.0 | Top - Section 5 | 1.00 | 1.01 | 22.289 | 24.51 | 175.50 | 1.000 | 0.000 | 1.00 | 1.840 | 1.84 | 72.2 | 0.0 | 69.3 |
| 111.0 |                 | 1.00 | 1.01 | 22.347 | 24.58 | 174.44 | 1.000 | 0.000 | 1.00 | 1.827 | 1.83 | 71.8 | 0.0 | 51.7 |
| 112.0 |                 | 1.00 | 1.02 | 22.404 | 24.64 | 173.37 | 1.000 | 0.000 | 1.00 | 1.813 | 1.81 | 71.5 | 0.0 | 51.3 |
| 113.0 |                 | 1.00 | 1.02 | 22.461 | 24.70 | 172.29 | 1.000 | 0.000 | 1.00 | 1.800 | 1.80 | 71.1 | 0.0 | 51.0 |
| 114.0 |                 | 1.00 | 1.02 | 22.518 | 24.77 | 171.21 | 1.000 | 0.000 | 1.00 | 1.786 | 1.79 | 70.8 | 0.0 | 50.6 |
| 115.0 |                 | 1.00 | 1.02 | 22.574 | 24.83 | 170.13 | 1.000 | 0.000 | 1.00 | 1.773 | 1.77 | 70.4 | 0.0 | 50.2 |
| 116.0 |                 | 1.00 | 1.03 | 22.630 | 24.89 | 169.04 | 1.000 | 0.000 | 1.00 | 1.759 | 1.76 | 70.1 | 0.0 | 49.8 |
| 117.0 |                 | 1.00 | 1.03 | 22.686 | 24.95 | 167.94 | 1.000 | 0.000 | 1.00 | 1.746 | 1.75 | 69.7 | 0.0 | 49.4 |
| 118.0 |                 | 1.00 | 1.03 | 22.741 | 25.01 | 166.85 | 1.000 | 0.000 | 1.00 | 1.732 | 1.73 | 69.3 | 0.0 | 49.0 |
| 119.0 |                 | 1.00 | 1.03 | 22.796 | 25.07 | 165.74 | 1.000 | 0.000 | 1.00 | 1.719 | 1.72 | 69.0 | 0.0 | 48.7 |
| 120.0 |                 | 1.00 | 1.04 | 22.850 | 25.13 | 164.63 | 1.000 | 0.000 | 1.00 | 1.705 | 1.71 | 68.6 | 0.0 | 48.3 |
| 121.0 |                 | 1.00 | 1.04 | 22.905 | 25.19 | 163.52 | 1.000 | 0.000 | 1.00 | 1.692 | 1.69 | 68.2 | 0.0 | 47.9 |
| 122.0 |                 | 1.00 | 1.04 | 22.959 | 25.25 | 162.40 | 1.000 | 0.000 | 1.00 | 1.678 | 1.68 | 67.8 | 0.0 | 47.5 |
| 123.0 |                 | 1.00 | 1.04 | 23.012 | 25.31 | 161.28 | 1.000 | 0.000 | 1.00 | 1.665 | 1.66 | 67.4 | 0.0 | 47.1 |
| 124.0 |                 | 1.00 | 1.05 | 23.065 | 25.37 | 160.16 | 1.000 | 0.000 | 1.00 | 1.651 | 1.65 | 67.0 | 0.0 | 46.7 |
| 125.0 |                 | 1.00 | 1.05 | 23.118 | 25.43 | 159.02 | 1.000 | 0.000 | 1.00 | 1.638 | 1.64 | 66.6 | 0.0 | 46.3 |
| 126.0 |                 | 1.00 | 1.05 | 23.171 | 25.48 | 157.89 | 1.000 | 0.000 | 1.00 | 1.624 | 1.62 | 66.2 | 0.0 | 46.0 |
| 127.0 |                 | 1.00 | 1.05 | 23.223 | 25.54 | 156.75 | 1.000 | 0.000 | 1.00 | 1.611 | 1.61 | 65.8 | 0.0 | 45.6 |
| 128.0 |                 | 1.00 | 1.06 | 23.276 | 25.60 | 155.61 | 1.000 | 0.000 | 1.00 | 1.597 | 1.60 | 65.4 | 0.0 | 45.2 |
| 129.0 |                 | 1.00 | 1.06 | 23.327 | 25.66 | 154.46 | 1.000 | 0.000 | 1.00 | 1.584 | 1.58 | 65.0 | 0.0 | 44.8 |
| 130.0 | Appertunance(s) | 1.00 | 1.06 | 23.379 | 25.71 | 153.31 | 1.000 | 0.000 | 1.00 | 1.570 | 1.57 | 64.6 | 0.0 | 44.4 |
| 131.0 |                 | 1.00 | 1.06 | 23.430 | 25.77 | 152.15 | 1.000 | 0.000 | 1.00 | 1.557 | 1.56 | 64.2 | 0.0 | 44.0 |
| 132.0 |                 | 1.00 | 1.07 | 23.481 | 25.82 | 151.00 | 1.000 | 0.000 | 1.00 | 1.543 | 1.54 | 63.8 | 0.0 | 43.6 |
| 133.0 |                 | 1.00 | 1.07 | 23.532 | 25.88 | 149.83 | 1.000 | 0.000 | 1.00 | 1.530 | 1.53 | 63.4 | 0.0 | 43.3 |
| 134.0 |                 | 1.00 | 1.07 | 23.582 | 25.94 | 148.67 | 1.000 | 0.000 | 1.00 | 1.517 | 1.52 | 62.9 | 0.0 | 42.9 |
| 135.0 |                 | 1.00 | 1.07 | 23.632 | 25.99 | 147.49 | 1.000 | 0.000 | 1.00 | 1.503 | 1.50 | 62.5 | 0.0 | 42.5 |
| 136.0 |                 | 1.00 | 1.07 | 23.682 | 26.05 | 146.32 | 1.000 | 0.000 | 1.00 | 1.490 | 1.49 | 62.1 | 0.0 | 42.1 |
| 137.0 |                 | 1.00 | 1.08 | 23.732 | 26.10 | 145.14 | 1.000 | 0.000 | 1.00 | 1.476 | 1.48 | 61.7 | 0.0 | 41.7 |
| 138.0 |                 | 1.00 | 1.08 | 23.781 | 26.15 | 143.96 | 1.000 | 0.000 | 1.00 | 1.463 | 1.46 | 61.2 | 0.0 | 41.3 |
| 139.0 |                 | 1.00 | 1.08 | 23.830 | 26.21 | 142.77 | 1.000 | 0.000 | 1.00 | 1.449 | 1.45 | 60.8 | 0.0 | 40.9 |
| 140.0 | Appertunance(s) | 1.00 | 1.08 | 23.879 | 26.26 | 141.58 | 1.000 | 0.000 | 1.00 | 1.436 | 1.44 | 60.3 | 0.0 | 40.6 |
| 141.0 |                 | 1.00 | 1.09 | 23.928 | 26.32 | 140.39 | 1.000 | 0.000 | 1.00 | 1.422 | 1.42 | 59.9 | 0.0 | 40.2 |
| 142.0 |                 | 1.00 | 1.09 | 23.976 | 26.37 | 139.19 | 1.000 | 0.000 | 1.00 | 1.409 | 1.41 | 59.4 | 0.0 | 39.8 |
| 143.0 |                 | 1.00 | 1.09 | 24.024 | 26.42 | 137.99 | 1.000 | 0.000 | 1.00 | 1.395 | 1.40 | 59.0 | 0.0 | 39.4 |
| 144.0 |                 | 1.00 | 1.09 | 24.072 | 26.47 | 136.79 | 1.000 | 0.000 | 1.00 | 1.382 | 1.38 | 58.5 | 0.0 | 39.0 |
| 145.0 |                 | 1.00 | 1.09 | 24.120 | 26.53 | 135.58 | 1.000 | 0.000 | 1.00 | 1.368 | 1.37 | 58.1 | 0.0 | 38.6 |
| 146.0 |                 | 1.00 | 1.10 | 24.167 | 26.58 | 134.37 | 1.000 | 0.000 | 1.00 | 1.355 | 1.35 | 57.6 | 0.0 | 38.3 |
| 147.0 |                 | 1.00 | 1.10 | 24.214 | 26.63 | 133.16 | 1.000 | 0.000 | 1.00 | 1.341 | 1.34 | 57.2 | 0.0 | 37.9 |
| 148.0 |                 | 1.00 | 1.10 | 24.261 | 26.68 | 131.94 | 1.000 | 0.000 | 1.00 | 1.328 | 1.33 | 56.7 | 0.0 | 37.5 |
| 149.0 |                 | 1.00 | 1.10 | 24.308 | 26.73 | 130.72 | 1.000 | 0.000 | 1.00 | 1.314 | 1.31 | 56.2 | 0.0 | 37.1 |
| 150.0 | Appertunance(s) | 1.00 | 1.11 | 24.355 | 26.79 | 129.50 | 1.000 | 0.000 | 1.00 | 1.301 | 1.30 | 55.8 | 0.0 | 36.7 |

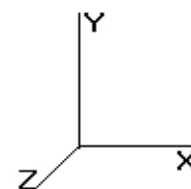
\* = Cf Adjusted By Linear Load Ra Effect

Totals: 150.00 15,706.3 0.0 34,887.9

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

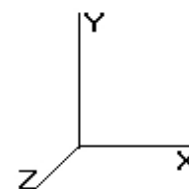
### Discrete Appurtenance Segment Forces (Factored)

| Elev<br>(ft) | Description          | Qty | qz<br>(psf) | qzGh<br>(psf) | Orientation<br>Factor | Ka   | Total<br>EPAA<br>(sf) | Horiz<br>Ecc<br>(ft) | Vert<br>Ecc<br>(ft) | Wind<br>FX<br>(lb) | Mom<br>Y<br>(lb-ft) | Mom<br>Z<br>(lb-ft) | Dead<br>Load<br>(lb) |
|--------------|----------------------|-----|-------------|---------------|-----------------------|------|-----------------------|----------------------|---------------------|--------------------|---------------------|---------------------|----------------------|
| 75.00        | PCTEL GPS-TMG-HR-    | 1   | 19.979      | 21.977        | 1.00                  | 1.00 | 0.09                  | 0.000                | 0.000               | 3.16               | 0.00                | 0.00                | 0.72                 |
| 110.0        | 48" x 12" Panels     | 9   | 22.289      | 24.518        | 0.67                  | 0.80 | 24.46                 | 0.000                | 0.000               | 959.45             | 0.00                | 0.00                | 324.00               |
| 110.0        | 72" x 12" Panels     | 3   | 22.289      | 24.518        | 0.67                  | 0.80 | 13.07                 | 0.000                | 0.000               | 512.84             | 0.00                | 0.00                | 162.00               |
| 110.0        | Round T-Arms         | 3   | 22.289      | 24.518        | 0.67                  | 0.75 | 14.62                 | 0.000                | 0.000               | 573.63             | 0.00                | 0.00                | 900.00               |
| 130.0        | Antel BXA-70063/6CF  | 3   | 23.481      | 25.829        | 0.77                  | 0.80 | 14.01                 | 0.000                | 2.000               | 578.90             | 0.00                | 1,157.80            | 53.64                |
| 130.0        | Antel LPA-80080/6CF  | 4   | 23.481      | 25.829        | 0.75                  | 0.80 | 20.71                 | 0.000                | 2.000               | 855.96             | 0.00                | 1,711.92            | 100.80               |
| 130.0        | Antel BXA-171085-8BF | 2   | 23.481      | 25.829        | 0.87                  | 0.80 | 4.09                  | 0.000                | 2.000               | 169.13             | 0.00                | 338.26              | 25.20                |
| 130.0        | Antel BXA-171063-8BF | 1   | 23.481      | 25.829        | 0.87                  | 0.80 | 2.05                  | 0.000                | 2.000               | 84.56              | 0.00                | 169.13              | 12.60                |
| 130.0        | Round Low Profile PI | 1   | 23.379      | 25.717        | 1.00                  | 1.00 | 21.70                 | 0.000                | 0.000               | 892.88             | 0.00                | 0.00                | 1,800.00             |
| 130.0        | RFS FD9R6004/2C-3L   | 6   | 23.481      | 25.829        | 0.50                  | 0.80 | 0.89                  | 0.000                | 2.000               | 36.70              | 0.00                | 73.40               | 18.72                |
| 130.0        | Antel LPA-80063/6CF  | 2   | 23.481      | 25.829        | 0.95                  | 0.80 | 14.58                 | 0.000                | 2.000               | 602.41             | 0.00                | 1,204.82            | 64.80                |
| 140.0        | Round Low Profile PI | 1   | 23.879      | 26.267        | 1.00                  | 1.00 | 18.00                 | 0.000                | 0.000               | 756.49             | 0.00                | 0.00                | 1,440.00             |
| 140.0        | Alcatel-Lucent 800 M | 3   | 23.879      | 26.267        | 0.67                  | 0.80 | 3.31                  | 0.000                | 0.000               | 139.22             | 0.00                | 0.00                | 230.40               |
| 140.0        | RFS APXVSP18-C-      | 3   | 23.879      | 26.267        | 0.83                  | 0.80 | 15.98                 | 0.000                | 0.000               | 671.42             | 0.00                | 0.00                | 205.20               |
| 140.0        | Alcatel-Lucent 1900  | 3   | 23.879      | 26.267        | 0.67                  | 0.80 | 3.73                  | 0.000                | 0.000               | 156.79             | 0.00                | 0.00                | 216.00               |
| 140.0        | Alcatel-Lucent TD-RR | 3   | 23.879      | 26.267        | 0.67                  | 0.80 | 6.51                  | 0.000                | 0.000               | 273.70             | 0.00                | 0.00                | 252.00               |
| 140.0        | RFS APXV9TM14-ALU-   | 3   | 23.879      | 26.267        | 0.78                  | 0.80 | 11.87                 | 0.000                | 0.000               | 498.80             | 0.00                | 0.00                | 198.36               |
| 150.0        | Powerwave 7770.00A   | 6   | 24.538      | 26.992        | 0.76                  | 0.80 | 20.28                 | 0.000                | 4.000               | 875.97             | 0.00                | 3,503.88            | 194.40               |
| 150.0        | Andrew ABT-DMDM-     | 6   | 24.538      | 26.992        | 0.50                  | 0.80 | 0.12                  | 0.000                | 4.000               | 5.18               | 0.00                | 20.73               | 7.92                 |
| 150.0        | Round Low Profile PI | 1   | 24.355      | 26.790        | 1.00                  | 1.00 | 21.70                 | 0.000                | 0.000               | 930.15             | 0.00                | 0.00                | 1,800.00             |
| 150.0        | KMW AM-X-CD-16-65-   | 3   | 24.538      | 26.992        | 0.79                  | 0.80 | 15.21                 | 0.000                | 4.000               | 656.71             | 0.00                | 2,626.83            | 174.60               |
| 150.0        | Ericsson RRUS 11 (Ba | 6   | 24.538      | 26.992        | 0.67                  | 0.80 | 8.27                  | 0.000                | 4.000               | 356.95             | 0.00                | 1,427.80            | 360.00               |
|              |                      |     |             |               |                       |      |                       |                      |                     | 10,591.02          |                     |                     | 8,541.36             |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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6/6/2014 2:40:43 PM

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 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)

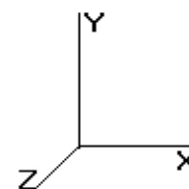
| Seg Top<br>Elev<br>(ft) | Description     | Exposed<br>To Wind | Length<br>(ft) | Ca    | Exposed<br>Width<br>(in) | Area<br>(sqft) | CaAa<br>(sqft) | qz<br>(psf) | Ra    | Cf<br>Adjust<br>Factor | FX<br>(lb) | Dead<br>Load<br>(lb) |
|-------------------------|-----------------|--------------------|----------------|-------|--------------------------|----------------|----------------|-------------|-------|------------------------|------------|----------------------|
| 6.00                    | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.244 | 0.000                  | 17.36      | 0.00                 |
| 7.00                    | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.247 | 0.000                  | 17.36      | 0.00                 |
| 8.00                    | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.250 | 0.000                  | 17.36      | 0.00                 |
| 9.00                    | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.253 | 0.000                  | 17.36      | 0.00                 |
| 10.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.256 | 0.000                  | 17.36      | 0.00                 |
| 11.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.259 | 0.000                  | 17.36      | 0.00                 |
| 12.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.262 | 0.000                  | 17.36      | 0.00                 |
| 13.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.265 | 0.000                  | 17.36      | 0.00                 |
| 14.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.268 | 0.000                  | 17.36      | 0.00                 |
| 15.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.272 | 0.000                  | 17.36      | 0.00                 |
| 16.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.272 | 0.000                  | 17.36      | 0.00                 |
| 17.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.273 | 0.000                  | 17.36      | 0.00                 |
| 18.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.274 | 0.000                  | 17.36      | 0.00                 |
| 19.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.275 | 0.000                  | 17.36      | 0.00                 |
| 20.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.276 | 0.000                  | 17.36      | 0.00                 |
| 21.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.277 | 0.000                  | 17.36      | 0.00                 |
| 22.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.278 | 0.000                  | 17.36      | 0.00                 |
| 23.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.279 | 0.000                  | 17.36      | 0.00                 |
| 24.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.280 | 0.000                  | 17.36      | 0.00                 |
| 25.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.282 | 0.000                  | 17.36      | 0.00                 |
| 26.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.283 | 0.000                  | 17.36      | 0.00                 |
| 27.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.284 | 0.000                  | 17.36      | 0.00                 |
| 28.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.285 | 0.000                  | 17.36      | 0.00                 |
| 29.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.286 | 0.000                  | 17.36      | 0.00                 |
| 30.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.377      | 0.287 | 0.000                  | 17.37      | 0.00                 |
| 31.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.522      | 0.288 | 0.000                  | 17.54      | 0.00                 |
| 32.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.663      | 0.289 | 0.000                  | 17.70      | 0.00                 |
| 33.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.802      | 0.290 | 0.000                  | 17.85      | 0.00                 |
| 34.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.937      | 0.291 | 0.000                  | 18.01      | 0.00                 |
| 35.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.070      | 0.292 | 0.000                  | 18.16      | 0.00                 |
| 36.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.199      | 0.293 | 0.000                  | 18.30      | 0.00                 |
| 37.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.327      | 0.295 | 0.000                  | 18.45      | 0.00                 |
| 38.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.452      | 0.296 | 0.000                  | 18.59      | 0.00                 |
| 39.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.574      | 0.297 | 0.000                  | 18.73      | 0.00                 |
| 40.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.694      | 0.298 | 0.000                  | 18.86      | 0.00                 |
| 41.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.813      | 0.299 | 0.000                  | 19.00      | 0.00                 |
| 42.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.929      | 0.300 | 0.000                  | 19.13      | 0.00                 |
| 43.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.043      | 0.302 | 0.000                  | 19.26      | 0.00                 |
| 44.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.155      | 0.303 | 0.000                  | 19.38      | 0.00                 |
| 45.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.266      | 0.304 | 0.000                  | 19.51      | 0.00                 |
| 46.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.375      | 0.305 | 0.000                  | 19.63      | 0.00                 |
| 47.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.482      | 0.306 | 0.000                  | 19.75      | 0.00                 |
| 48.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.587      | 0.308 | 0.000                  | 19.87      | 0.00                 |
| 49.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.691      | 0.309 | 0.000                  | 19.99      | 0.00                 |
| 50.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.793      | 0.310 | 0.000                  | 20.11      | 0.00                 |
| 51.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.894      | 0.311 | 0.000                  | 20.22      | 0.00                 |
| 52.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.994      | 0.313 | 0.000                  | 20.33      | 0.00                 |
| 53.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 18.092      | 0.314 | 0.000                  | 20.44      | 0.00                 |
| 54.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 18.189      | 0.315 | 0.000                  | 20.55      | 0.00                 |
| 55.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 18.285      | 0.317 | 0.000                  | 20.66      | 0.00                 |
| 56.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 18.379      | 0.315 | 0.000                  | 20.77      | 0.00                 |



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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Page: 11

**Load Case: 1.2D + 1.6W**

95.00 mph with No Ice

29 Iterations

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

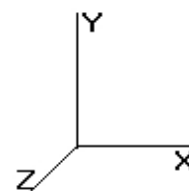
Wind Importance Factor : 1.00

|         |                      |     |      |       |       |      |      |        |       |       |          |          |
|---------|----------------------|-----|------|-------|-------|------|------|--------|-------|-------|----------|----------|
| 57.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 18.472 | 0.317 | 0.000 | 20.87    | 0.00     |
| 58.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 18.564 | 0.318 | 0.000 | 20.98    | 0.00     |
| 59.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 18.655 | 0.319 | 0.000 | 21.08    | 0.00     |
| 60.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 18.745 | 0.321 | 0.000 | 21.18    | 0.00     |
| 61.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 18.834 | 0.322 | 0.000 | 21.28    | 0.00     |
| 62.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 18.921 | 0.324 | 0.000 | 21.38    | 0.00     |
| 63.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.008 | 0.325 | 0.000 | 21.48    | 0.00     |
| 64.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.094 | 0.326 | 0.000 | 21.57    | 0.00     |
| 65.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.179 | 0.328 | 0.000 | 21.67    | 0.00     |
| 66.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.262 | 0.329 | 0.000 | 21.76    | 0.00     |
| 67.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.345 | 0.331 | 0.000 | 21.86    | 0.00     |
| 68.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.427 | 0.332 | 0.000 | 21.95    | 0.00     |
| 69.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.509 | 0.333 | 0.000 | 22.04    | 0.00     |
| 70.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.589 | 0.335 | 0.000 | 22.13    | 0.00     |
| 71.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.669 | 0.336 | 0.000 | 22.22    | 0.00     |
| 72.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.747 | 0.338 | 0.000 | 22.31    | 0.00     |
| 73.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.825 | 0.339 | 0.000 | 22.40    | 0.00     |
| 74.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.902 | 0.341 | 0.000 | 22.49    | 0.00     |
| 75.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 19.979 | 0.342 | 0.000 | 22.57    | 0.00     |
| 76.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.055 | 0.344 | 0.000 | 22.66    | 0.00     |
| 77.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.130 | 0.346 | 0.000 | 22.74    | 0.00     |
| 78.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.204 | 0.347 | 0.000 | 22.83    | 0.00     |
| 79.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.278 | 0.349 | 0.000 | 22.91    | 0.00     |
| 80.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 20.351 | 0.487 | 0.000 | 29.85    | 60.12    |
| 80.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.351 | 0.487 | 0.000 | 22.99    | 0.00     |
| 81.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 20.423 | 0.489 | 0.000 | 29.95    | 60.12    |
| 81.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.423 | 0.489 | 0.000 | 23.08    | 0.00     |
| 82.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 20.495 | 0.491 | 0.000 | 30.06    | 60.12    |
| 82.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.495 | 0.491 | 0.000 | 23.16    | 0.00     |
| 83.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 20.566 | 0.494 | 0.000 | 30.16    | 60.12    |
| 83.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.566 | 0.494 | 0.000 | 23.24    | 0.00     |
| 84.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 20.636 | 0.496 | 0.000 | 30.27    | 60.12    |
| 84.00   | (2) Seam Flange      | Yes | 1.00 | 0.600 | 12.84 | 1.07 | 0.64 | 20.636 | 0.496 | 0.000 | 23.32    | 0.00     |
| 84.67   | (3) #20 Dywidag Bars | Yes | 0.67 | 2.000 | 5.00  | 0.28 | 0.56 | 20.683 | 0.498 | 0.000 | 20.32    | 40.28    |
| 84.67   | (2) Seam Flange      | Yes | 0.67 | 0.600 | 12.84 | 0.72 | 0.43 | 20.683 | 0.498 | 0.000 | 15.66    | 0.00     |
| 85.00   | (3) #20 Dywidag Bars | Yes | 0.33 | 2.000 | 5.00  | 0.14 | 0.28 | 20.706 | 0.499 | 0.000 | 10.02    | 19.84    |
| 85.00   | (2) Seam Flange      | Yes | 0.33 | 0.600 | 12.84 | 0.35 | 0.21 | 20.706 | 0.499 | 0.000 | 7.72     | 0.00     |
| 86.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 0.000 | 5.00  | 0.42 | 0.00 | 20.776 | 0.192 | 1.276 | 0.00     | 60.12    |
| 87.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 0.000 | 5.00  | 0.42 | 0.00 | 20.844 | 0.193 | 1.280 | 0.00     | 60.12    |
| 88.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 0.000 | 5.00  | 0.42 | 0.00 | 20.913 | 0.194 | 1.283 | 0.00     | 60.12    |
| 89.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 0.000 | 5.00  | 0.42 | 0.00 | 20.980 | 0.196 | 1.287 | 0.00     | 60.12    |
| 90.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 0.000 | 5.00  | 0.42 | 0.00 | 21.047 | 0.197 | 1.291 | 0.00     | 60.12    |
| 91.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 0.000 | 5.00  | 0.42 | 0.00 | 21.114 | 0.198 | 1.295 | 0.00     | 60.12    |
| 92.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 0.000 | 5.00  | 0.42 | 0.00 | 21.180 | 0.200 | 1.299 | 0.00     | 60.12    |
| 93.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 21.245 | 0.201 | 0.000 | 31.16    | 60.12    |
| 94.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 21.310 | 0.202 | 0.000 | 31.26    | 60.12    |
| 95.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 21.375 | 0.204 | 0.000 | 31.35    | 60.12    |
| 95.44   | (3) #20 Dywidag Bars | Yes | 0.44 | 2.000 | 5.00  | 0.18 | 0.37 | 21.403 | 0.205 | 0.000 | 13.81    | 26.45    |
| 96.00   | (3) #20 Dywidag Bars | Yes | 0.56 | 2.000 | 5.00  | 0.23 | 0.47 | 21.439 | 0.205 | 0.000 | 17.61    | 33.67    |
| 97.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 21.503 | 0.206 | 0.000 | 31.54    | 60.12    |
| 98.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 21.566 | 0.208 | 0.000 | 31.63    | 60.12    |
| 99.00   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 21.628 | 0.209 | 0.000 | 31.72    | 60.12    |
| 100.0   | (3) #20 Dywidag Bars | Yes | 1.00 | 2.000 | 5.00  | 0.42 | 0.83 | 21.690 | 0.211 | 0.000 | 31.81    | 60.12    |
| Totals: |                      |     |      |       |       |      |      |        |       |       | 2,010.89 | 1,262.51 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

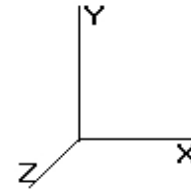
### Applied Segment Forces Summary

| Seg<br>Elev<br>(ft) | Lateral<br>FX (-)<br>(lb) | Axial<br>FY (-)<br>(lb) | Torsion<br>MY<br>(lb-ft) | Moment<br>MZ<br>(lb-ft) |
|---------------------|---------------------------|-------------------------|--------------------------|-------------------------|
| 0.00                | 0.00                      | 0.00                    | 0.00                     | 0.00                    |
| 1.00                | 125.08                    | 521.33                  | 0.00                     | 0.00                    |
| 2.00                | 123.76                    | 515.74                  | 0.00                     | 0.00                    |
| 3.00                | 122.44                    | 510.14                  | 0.00                     | 0.00                    |
| 4.00                | 121.11                    | 504.55                  | 0.00                     | 0.00                    |
| 5.00                | 119.79                    | 498.96                  | 0.00                     | 0.00                    |
| 6.00                | 159.52                    | 541.63                  | 0.00                     | 0.00                    |
| 7.00                | 157.93                    | 536.04                  | 0.00                     | 0.00                    |
| 8.00                | 156.35                    | 530.45                  | 0.00                     | 0.00                    |
| 9.00                | 154.76                    | 524.86                  | 0.00                     | 0.00                    |
| 10.00               | 153.17                    | 519.26                  | 0.00                     | 0.00                    |
| 11.00               | 151.58                    | 513.67                  | 0.00                     | 0.00                    |
| 12.00               | 150.00                    | 508.08                  | 0.00                     | 0.00                    |
| 13.00               | 148.41                    | 502.49                  | 0.00                     | 0.00                    |
| 14.00               | 146.82                    | 496.90                  | 0.00                     | 0.00                    |
| 15.00               | 145.24                    | 491.31                  | 0.00                     | 0.00                    |
| 16.00               | 144.79                    | 453.51                  | 0.00                     | 0.00                    |
| 17.00               | 144.33                    | 452.04                  | 0.00                     | 0.00                    |
| 18.00               | 143.88                    | 450.57                  | 0.00                     | 0.00                    |
| 19.00               | 143.42                    | 449.10                  | 0.00                     | 0.00                    |
| 20.00               | 142.97                    | 447.63                  | 0.00                     | 0.00                    |
| 21.00               | 142.51                    | 446.16                  | 0.00                     | 0.00                    |
| 22.00               | 142.06                    | 444.70                  | 0.00                     | 0.00                    |
| 23.00               | 141.60                    | 443.23                  | 0.00                     | 0.00                    |
| 24.00               | 141.15                    | 441.76                  | 0.00                     | 0.00                    |
| 25.00               | 140.69                    | 440.29                  | 0.00                     | 0.00                    |
| 26.00               | 140.24                    | 438.82                  | 0.00                     | 0.00                    |
| 27.00               | 139.78                    | 437.35                  | 0.00                     | 0.00                    |
| 28.00               | 139.33                    | 435.88                  | 0.00                     | 0.00                    |
| 29.00               | 138.87                    | 434.41                  | 0.00                     | 0.00                    |
| 30.00               | 138.54                    | 432.94                  | 0.00                     | 0.00                    |
| 31.00               | 139.38                    | 431.48                  | 0.00                     | 0.00                    |
| 32.00               | 140.19                    | 430.01                  | 0.00                     | 0.00                    |
| 33.00               | 140.96                    | 428.54                  | 0.00                     | 0.00                    |
| 34.00               | 141.69                    | 427.07                  | 0.00                     | 0.00                    |
| 35.00               | 142.40                    | 425.60                  | 0.00                     | 0.00                    |
| 36.00               | 143.07                    | 424.13                  | 0.00                     | 0.00                    |
| 37.00               | 143.71                    | 422.66                  | 0.00                     | 0.00                    |
| 38.00               | 144.32                    | 421.19                  | 0.00                     | 0.00                    |
| 39.00               | 144.90                    | 419.72                  | 0.00                     | 0.00                    |
| 40.00               | 145.46                    | 418.26                  | 0.00                     | 0.00                    |
| 41.00               | 145.99                    | 416.79                  | 0.00                     | 0.00                    |
| 42.00               | 146.50                    | 415.32                  | 0.00                     | 0.00                    |
| 43.00               | 146.98                    | 413.85                  | 0.00                     | 0.00                    |
| 44.00               | 147.45                    | 412.38                  | 0.00                     | 0.00                    |
| 45.00               | 147.88                    | 410.91                  | 0.00                     | 0.00                    |
| 46.00               | 148.30                    | 409.44                  | 0.00                     | 0.00                    |
| 47.00               | 148.70                    | 407.97                  | 0.00                     | 0.00                    |
| 48.00               | 149.07                    | 406.50                  | 0.00                     | 0.00                    |
| 49.00               | 149.43                    | 405.03                  | 0.00                     | 0.00                    |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

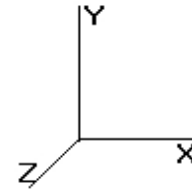
Wind Load Factor : 1.60

|       |        |        |      |      |
|-------|--------|--------|------|------|
| 50.00 | 149.77 | 403.57 | 0.00 | 0.00 |
| 51.00 | 150.09 | 402.10 | 0.00 | 0.00 |
| 52.00 | 150.39 | 400.63 | 0.00 | 0.00 |
| 53.00 | 150.68 | 399.16 | 0.00 | 0.00 |
| 54.00 | 150.94 | 397.69 | 0.00 | 0.00 |
| 55.00 | 151.20 | 396.22 | 0.00 | 0.00 |
| 56.00 | 152.44 | 366.23 | 0.00 | 0.00 |
| 57.00 | 152.66 | 364.89 | 0.00 | 0.00 |
| 58.00 | 152.87 | 363.54 | 0.00 | 0.00 |
| 59.00 | 153.06 | 362.20 | 0.00 | 0.00 |
| 60.00 | 153.24 | 360.86 | 0.00 | 0.00 |
| 61.00 | 153.40 | 359.52 | 0.00 | 0.00 |
| 62.00 | 153.56 | 358.17 | 0.00 | 0.00 |
| 63.00 | 153.69 | 356.83 | 0.00 | 0.00 |
| 64.00 | 153.82 | 355.49 | 0.00 | 0.00 |
| 65.00 | 153.93 | 354.15 | 0.00 | 0.00 |
| 66.00 | 154.03 | 352.81 | 0.00 | 0.00 |
| 67.00 | 154.12 | 351.46 | 0.00 | 0.00 |
| 68.00 | 154.19 | 350.12 | 0.00 | 0.00 |
| 69.00 | 154.26 | 348.78 | 0.00 | 0.00 |
| 70.00 | 154.31 | 347.44 | 0.00 | 0.00 |
| 71.00 | 154.35 | 346.09 | 0.00 | 0.00 |
| 72.00 | 154.38 | 344.75 | 0.00 | 0.00 |
| 73.00 | 154.40 | 343.41 | 0.00 | 0.00 |
| 74.00 | 154.41 | 342.07 | 0.00 | 0.00 |
| 75.00 | 157.57 | 341.45 | 0.00 | 0.00 |
| 76.00 | 154.40 | 281.80 | 0.00 | 0.00 |
| 77.00 | 154.38 | 280.73 | 0.00 | 0.00 |
| 78.00 | 154.34 | 279.65 | 0.00 | 0.00 |
| 79.00 | 154.30 | 278.58 | 0.00 | 0.00 |
| 80.00 | 184.10 | 337.62 | 0.00 | 0.00 |
| 81.00 | 184.15 | 336.55 | 0.00 | 0.00 |
| 82.00 | 184.18 | 335.48 | 0.00 | 0.00 |
| 83.00 | 184.21 | 334.40 | 0.00 | 0.00 |
| 84.00 | 184.23 | 333.33 | 0.00 | 0.00 |
| 84.67 | 123.37 | 222.73 | 0.00 | 0.00 |
| 85.00 | 60.73  | 126.06 | 0.00 | 0.00 |
| 86.00 | 101.24 | 240.15 | 0.00 | 0.00 |
| 87.00 | 101.23 | 239.63 | 0.00 | 0.00 |
| 88.00 | 101.20 | 239.10 | 0.00 | 0.00 |
| 89.00 | 101.18 | 238.58 | 0.00 | 0.00 |
| 90.00 | 101.14 | 238.06 | 0.00 | 0.00 |
| 91.00 | 101.11 | 237.53 | 0.00 | 0.00 |
| 92.00 | 101.06 | 237.01 | 0.00 | 0.00 |
| 93.00 | 124.21 | 236.49 | 0.00 | 0.00 |
| 94.00 | 123.97 | 235.96 | 0.00 | 0.00 |
| 95.00 | 123.72 | 235.44 | 0.00 | 0.00 |
| 95.44 | 54.31  | 103.43 | 0.00 | 0.00 |
| 96.00 | 69.07  | 103.43 | 0.00 | 0.00 |
| 97.00 | 123.21 | 184.29 | 0.00 | 0.00 |
| 98.00 | 122.95 | 183.77 | 0.00 | 0.00 |
| 99.00 | 122.68 | 183.25 | 0.00 | 0.00 |
| 100.0 | 122.40 | 182.72 | 0.00 | 0.00 |
| 101.0 | 75.18  | 122.08 | 0.00 | 0.00 |
| 102.0 | 74.87  | 121.56 | 0.00 | 0.00 |
| 103.0 | 74.55  | 121.03 | 0.00 | 0.00 |
| 104.0 | 74.22  | 120.51 | 0.00 | 0.00 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

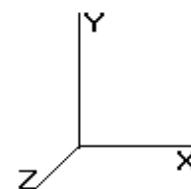
|         |           |           |      |           |
|---------|-----------|-----------|------|-----------|
| 105.0   | 73.89     | 119.99    | 0.00 | 0.00      |
| 106.0   | 73.56     | 119.46    | 0.00 | 0.00      |
| 107.0   | 73.22     | 118.94    | 0.00 | 0.00      |
| 108.0   | 72.88     | 118.42    | 0.00 | 0.00      |
| 109.0   | 72.54     | 117.89    | 0.00 | 0.00      |
| 110.0   | 2,118.12  | 1,503.37  | 0.00 | 0.00      |
| 111.0   | 71.84     | 88.01     | 0.00 | 0.00      |
| 112.0   | 71.49     | 87.62     | 0.00 | 0.00      |
| 113.0   | 71.14     | 87.24     | 0.00 | 0.00      |
| 114.0   | 70.79     | 86.85     | 0.00 | 0.00      |
| 115.0   | 70.43     | 86.47     | 0.00 | 0.00      |
| 116.0   | 70.07     | 86.08     | 0.00 | 0.00      |
| 117.0   | 69.70     | 85.69     | 0.00 | 0.00      |
| 118.0   | 69.33     | 85.31     | 0.00 | 0.00      |
| 119.0   | 68.96     | 84.92     | 0.00 | 0.00      |
| 120.0   | 68.58     | 84.54     | 0.00 | 0.00      |
| 121.0   | 68.20     | 84.15     | 0.00 | 0.00      |
| 122.0   | 67.81     | 83.77     | 0.00 | 0.00      |
| 123.0   | 67.43     | 83.38     | 0.00 | 0.00      |
| 124.0   | 67.04     | 83.00     | 0.00 | 0.00      |
| 125.0   | 66.64     | 82.61     | 0.00 | 0.00      |
| 126.0   | 66.24     | 82.23     | 0.00 | 0.00      |
| 127.0   | 65.84     | 81.84     | 0.00 | 0.00      |
| 128.0   | 65.44     | 81.46     | 0.00 | 0.00      |
| 129.0   | 65.03     | 81.07     | 0.00 | 0.00      |
| 130.0   | 3,285.17  | 2,156.45  | 0.00 | 4,655.33  |
| 131.0   | 64.20     | 68.50     | 0.00 | 0.00      |
| 132.0   | 63.79     | 68.11     | 0.00 | 0.00      |
| 133.0   | 63.37     | 67.73     | 0.00 | 0.00      |
| 134.0   | 62.94     | 67.34     | 0.00 | 0.00      |
| 135.0   | 62.52     | 66.95     | 0.00 | 0.00      |
| 136.0   | 62.09     | 66.57     | 0.00 | 0.00      |
| 137.0   | 61.65     | 66.18     | 0.00 | 0.00      |
| 138.0   | 61.22     | 65.80     | 0.00 | 0.00      |
| 139.0   | 60.78     | 65.41     | 0.00 | 0.00      |
| 140.0   | 2,556.76  | 2,606.99  | 0.00 | 0.00      |
| 141.0   | 59.89     | 59.84     | 0.00 | 0.00      |
| 142.0   | 59.44     | 59.46     | 0.00 | 0.00      |
| 143.0   | 58.99     | 59.07     | 0.00 | 0.00      |
| 144.0   | 58.54     | 58.69     | 0.00 | 0.00      |
| 145.0   | 58.08     | 58.30     | 0.00 | 0.00      |
| 146.0   | 57.62     | 57.92     | 0.00 | 0.00      |
| 147.0   | 57.16     | 57.53     | 0.00 | 0.00      |
| 148.0   | 56.70     | 57.15     | 0.00 | 0.00      |
| 149.0   | 56.23     | 56.76     | 0.00 | 0.00      |
| 150.0   | 2,880.72  | 2,593.30  | 0.00 | 7,579.24  |
| Totals: | 28,308.22 | 50,919.57 | 0.00 | 12,234.57 |



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

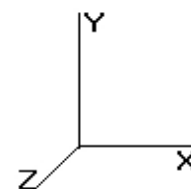
## Calculated Forces

| Seg<br>Elev<br>(ft) | Pu<br>FY (-)<br>(kips) | Vu<br>FX (-)<br>(kips) | Tu<br>MY<br>(ft-kips) | Mu<br>MZ<br>(ft-kips) | Mu<br>MX<br>(ft-kips) | Resultant<br>Moment<br>(ft-kips) | phi<br>Pn<br>(kips) | phi<br>Vn<br>(kips) | phi<br>Tn<br>(ft-kips) | phi<br>Mn<br>(ft-kips) | Total<br>Deflect<br>(in) | Rotation<br>(deg) | Ratio |
|---------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|---------------------|---------------------|------------------------|------------------------|--------------------------|-------------------|-------|
| 0.00                | -50.91                 | -28.31                 | 0.00                  | -2,638.86             | 0.00                  | 2,638.86                         | 5,589.22            | 2,794.61            | 12,188.1               | 6,019.28               | 0.00                     | 0.00              | 0.448 |
| 1.00                | -50.39                 | -28.20                 | 0.00                  | -2,610.55             | 0.00                  | 2,610.55                         | 5,529.59            | 2,764.80            | 11,927.7               | 5,890.65               | 0.00                     | -0.02             | 0.452 |
| 2.00                | -49.86                 | -28.09                 | 0.00                  | -2,582.35             | 0.00                  | 2,582.35                         | 5,469.96            | 2,734.98            | 11,670.0               | 5,763.42               | 0.01                     | -0.03             | 0.457 |
| 3.00                | -49.34                 | -27.98                 | 0.00                  | -2,554.25             | 0.00                  | 2,554.25                         | 5,410.34            | 2,705.17            | 11,415.2               | 5,637.57               | 0.02                     | -0.05             | 0.462 |
| 4.00                | -48.83                 | -27.88                 | 0.00                  | -2,526.27             | 0.00                  | 2,526.27                         | 5,350.71            | 2,675.36            | 11,163.2               | 5,513.11               | 0.03                     | -0.07             | 0.467 |
| 5.00                | -48.32                 | -27.77                 | 0.00                  | -2,498.39             | 0.00                  | 2,498.39                         | 5,291.09            | 2,645.54            | 10,914.0               | 5,390.04               | 0.04                     | -0.08             | 0.473 |
| 6.00                | -47.77                 | -27.63                 | 0.00                  | -2,470.62             | 0.00                  | 2,470.62                         | 5,231.46            | 2,615.73            | 10,667.6               | 5,268.37               | 0.06                     | -0.10             | 0.478 |
| 7.00                | -47.23                 | -27.48                 | 0.00                  | -2,442.99             | 0.00                  | 2,442.99                         | 5,171.84            | 2,585.92            | 10,424.1               | 5,148.08               | 0.09                     | -0.12             | 0.484 |
| 8.00                | -46.69                 | -27.34                 | 0.00                  | -2,415.51             | 0.00                  | 2,415.51                         | 5,112.21            | 2,556.11            | 10,183.3               | 5,029.18               | 0.12                     | -0.14             | 0.490 |
| 9.00                | -46.16                 | -27.20                 | 0.00                  | -2,388.17             | 0.00                  | 2,388.17                         | 5,052.58            | 2,526.29            | 9,945.41               | 4,911.66               | 0.15                     | -0.16             | 0.495 |
| 10.00               | -45.63                 | -27.06                 | 0.00                  | -2,360.97             | 0.00                  | 2,360.97                         | 4,992.96            | 2,496.48            | 9,710.28               | 4,795.54               | 0.18                     | -0.18             | 0.502 |
| 11.00               | -45.10                 | -26.92                 | 0.00                  | -2,333.91             | 0.00                  | 2,333.91                         | 4,933.33            | 2,466.67            | 9,477.97               | 4,680.81               | 0.22                     | -0.20             | 0.508 |
| 12.00               | -44.59                 | -26.79                 | 0.00                  | -2,306.98             | 0.00                  | 2,306.98                         | 4,873.71            | 2,436.85            | 9,248.46               | 4,567.47               | 0.27                     | -0.22             | 0.514 |
| 13.00               | -44.08                 | -26.66                 | 0.00                  | -2,280.20             | 0.00                  | 2,280.20                         | 4,814.08            | 2,407.04            | 9,021.78               | 4,455.52               | 0.31                     | -0.24             | 0.521 |
| 14.00               | -43.57                 | -26.52                 | 0.00                  | -2,253.54             | 0.00                  | 2,253.54                         | 4,754.46            | 2,377.23            | 8,797.90               | 4,344.95               | 0.37                     | -0.26             | 0.528 |
| 15.00               | -43.07                 | -26.39                 | 0.00                  | -2,227.02             | 0.00                  | 2,227.02                         | 4,694.83            | 2,347.42            | 8,576.84               | 4,235.78               | 0.42                     | -0.29             | 0.535 |
| 15.00               | -43.07                 | -26.39                 | 0.00                  | -2,227.02             | 0.00                  | 2,227.02                         | 4,521.17            | 2,260.59            | 8,321.30               | 4,109.58               | 0.42                     | -0.29             | 0.552 |
| 16.00               | -42.60                 | -26.26                 | 0.00                  | -2,200.62             | 0.00                  | 2,200.62                         | 4,504.82            | 2,252.41            | 8,260.75               | 4,079.67               | 0.49                     | -0.31             | 0.549 |
| 17.00               | -42.14                 | -26.13                 | 0.00                  | -2,174.36             | 0.00                  | 2,174.36                         | 4,488.46            | 2,244.23            | 8,200.41               | 4,049.87               | 0.55                     | -0.33             | 0.546 |
| 18.00               | -41.68                 | -26.01                 | 0.00                  | -2,148.23             | 0.00                  | 2,148.23                         | 4,472.10            | 2,236.05            | 8,140.29               | 4,020.18               | 0.63                     | -0.36             | 0.544 |
| 19.00               | -41.22                 | -25.88                 | 0.00                  | -2,122.22             | 0.00                  | 2,122.22                         | 4,455.74            | 2,227.87            | 8,080.40               | 3,990.60               | 0.70                     | -0.38             | 0.541 |
| 20.00               | -40.76                 | -25.75                 | 0.00                  | -2,096.35             | 0.00                  | 2,096.35                         | 4,439.38            | 2,219.69            | 8,020.72               | 3,961.13               | 0.79                     | -0.41             | 0.539 |
| 21.00               | -40.31                 | -25.62                 | 0.00                  | -2,070.60             | 0.00                  | 2,070.60                         | 4,423.02            | 2,211.51            | 7,961.27               | 3,931.77               | 0.87                     | -0.43             | 0.536 |
| 22.00               | -39.85                 | -25.49                 | 0.00                  | -2,044.98             | 0.00                  | 2,044.98                         | 4,406.67            | 2,203.33            | 7,902.04               | 3,902.52               | 0.97                     | -0.46             | 0.533 |
| 23.00               | -39.40                 | -25.36                 | 0.00                  | -2,019.49             | 0.00                  | 2,019.49                         | 4,390.31            | 2,195.15            | 7,843.03               | 3,873.38               | 1.07                     | -0.48             | 0.530 |
| 24.00               | -38.95                 | -25.23                 | 0.00                  | -1,994.12             | 0.00                  | 1,994.12                         | 4,373.95            | 2,186.97            | 7,784.24               | 3,844.34               | 1.17                     | -0.50             | 0.528 |
| 25.00               | -38.50                 | -25.11                 | 0.00                  | -1,968.89             | 0.00                  | 1,968.89                         | 4,357.59            | 2,178.80            | 7,725.67               | 3,815.42               | 1.28                     | -0.53             | 0.525 |
| 26.00               | -38.05                 | -24.98                 | 0.00                  | -1,943.78             | 0.00                  | 1,943.78                         | 4,341.23            | 2,170.62            | 7,667.32               | 3,786.60               | 1.39                     | -0.55             | 0.522 |
| 27.00               | -37.61                 | -24.85                 | 0.00                  | -1,918.81             | 0.00                  | 1,918.81                         | 4,324.87            | 2,162.44            | 7,609.20               | 3,757.90               | 1.51                     | -0.58             | 0.519 |
| 28.00               | -37.16                 | -24.72                 | 0.00                  | -1,893.96             | 0.00                  | 1,893.96                         | 4,308.52            | 2,154.26            | 7,551.29               | 3,729.30               | 1.63                     | -0.60             | 0.517 |
| 29.00               | -36.72                 | -24.59                 | 0.00                  | -1,869.24             | 0.00                  | 1,869.24                         | 4,292.16            | 2,146.08            | 7,493.61               | 3,700.81               | 1.76                     | -0.63             | 0.514 |
| 30.00               | -36.28                 | -24.47                 | 0.00                  | -1,844.64             | 0.00                  | 1,844.64                         | 4,275.80            | 2,137.90            | 7,436.15               | 3,672.43               | 1.89                     | -0.65             | 0.511 |
| 31.00               | -35.84                 | -24.34                 | 0.00                  | -1,820.18             | 0.00                  | 1,820.18                         | 4,259.44            | 2,129.72            | 7,378.91               | 3,644.16               | 2.03                     | -0.67             | 0.508 |
| 32.00               | -35.40                 | -24.21                 | 0.00                  | -1,795.84             | 0.00                  | 1,795.84                         | 4,243.08            | 2,121.54            | 7,321.89               | 3,616.00               | 2.18                     | -0.70             | 0.505 |
| 33.00               | -34.96                 | -24.07                 | 0.00                  | -1,771.64             | 0.00                  | 1,771.64                         | 4,226.72            | 2,113.36            | 7,265.09               | 3,587.95               | 2.33                     | -0.72             | 0.502 |
| 34.00               | -34.52                 | -23.94                 | 0.00                  | -1,747.56             | 0.00                  | 1,747.56                         | 4,210.37            | 2,105.18            | 7,208.51               | 3,560.01               | 2.48                     | -0.75             | 0.499 |
| 35.00               | -34.09                 | -23.81                 | 0.00                  | -1,723.62             | 0.00                  | 1,723.62                         | 4,194.01            | 2,097.00            | 7,152.15               | 3,532.18               | 2.64                     | -0.77             | 0.496 |
| 36.00               | -33.66                 | -23.67                 | 0.00                  | -1,699.81             | 0.00                  | 1,699.81                         | 4,177.65            | 2,088.82            | 7,096.02               | 3,504.46               | 2.80                     | -0.79             | 0.493 |
| 37.00               | -33.23                 | -23.54                 | 0.00                  | -1,676.14             | 0.00                  | 1,676.14                         | 4,161.29            | 2,080.65            | 7,040.10               | 3,476.84               | 2.97                     | -0.82             | 0.490 |
| 38.00               | -32.80                 | -23.40                 | 0.00                  | -1,652.60             | 0.00                  | 1,652.60                         | 4,144.93            | 2,072.47            | 6,984.41               | 3,449.34               | 3.14                     | -0.84             | 0.487 |
| 39.00               | -32.37                 | -23.26                 | 0.00                  | -1,629.20             | 0.00                  | 1,629.20                         | 4,128.57            | 2,064.29            | 6,928.94               | 3,421.94               | 3.32                     | -0.86             | 0.484 |
| 40.00               | -31.95                 | -23.12                 | 0.00                  | -1,605.94             | 0.00                  | 1,605.94                         | 4,112.22            | 2,056.11            | 6,873.69               | 3,394.66               | 3.51                     | -0.89             | 0.481 |
| 41.00               | -31.52                 | -22.98                 | 0.00                  | -1,582.82             | 0.00                  | 1,582.82                         | 4,095.86            | 2,047.93            | 6,818.66               | 3,367.48               | 3.70                     | -0.91             | 0.478 |
| 42.00               | -31.10                 | -22.84                 | 0.00                  | -1,559.84             | 0.00                  | 1,559.84                         | 4,079.50            | 2,039.75            | 6,763.85               | 3,340.41               | 3.89                     | -0.93             | 0.475 |
| 43.00               | -30.68                 | -22.70                 | 0.00                  | -1,536.99             | 0.00                  | 1,536.99                         | 4,063.14            | 2,031.57            | 6,709.27               | 3,313.46               | 4.09                     | -0.96             | 0.472 |
| 44.00               | -30.26                 | -22.56                 | 0.00                  | -1,514.29             | 0.00                  | 1,514.29                         | 4,046.78            | 2,023.39            | 6,654.90               | 3,286.61               | 4.29                     | -0.98             | 0.468 |
| 45.00               | -29.84                 | -22.42                 | 0.00                  | -1,491.73             | 0.00                  | 1,491.73                         | 4,030.42            | 2,015.21            | 6,600.76               | 3,259.87               | 4.50                     | -1.00             | 0.465 |
| 46.00               | -29.43                 | -22.27                 | 0.00                  | -1,469.31             | 0.00                  | 1,469.31                         | 4,014.07            | 2,007.03            | 6,546.84               | 3,233.24               | 4.71                     | -1.03             | 0.462 |
| 47.00               | -29.01                 | -22.13                 | 0.00                  | -1,447.04             | 0.00                  | 1,447.04                         | 3,997.71            | 1,998.85            | 6,493.13               | 3,206.71               | 4.93                     | -1.05             | 0.459 |
| 48.00               | -28.60                 | -21.98                 | 0.00                  | -1,424.91             | 0.00                  | 1,424.91                         | 3,981.35            | 1,990.67            | 6,439.65               | 3,180.30               | 5.15                     | -1.07             | 0.455 |
| 49.00               | -28.19                 | -21.84                 | 0.00                  | -1,402.93             | 0.00                  | 1,402.93                         | 3,964.99            | 1,982.50            | 6,386.39               | 3,154.00               | 5.38                     | -1.10             | 0.452 |

Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Dead Load Factor : 1.20

Wind Load Factor : 1.60

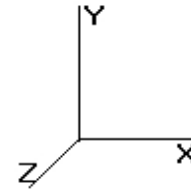
Wind Importance Factor : 1.00

|        |        |        |      |           |      |          |          |          |          |          |       |       |       |
|--------|--------|--------|------|-----------|------|----------|----------|----------|----------|----------|-------|-------|-------|
| 50.00  | -27.78 | -21.69 | 0.00 | -1,381.09 | 0.00 | 1,381.09 | 3,948.63 | 1,974.32 | 6,333.36 | 3,127.81 | 5.61  | -1.12 | 0.449 |
| 51.00  | -27.37 | -21.54 | 0.00 | -1,359.40 | 0.00 | 1,359.40 | 3,932.27 | 1,966.14 | 6,280.54 | 3,101.72 | 5.85  | -1.14 | 0.445 |
| 52.00  | -26.97 | -21.40 | 0.00 | -1,337.85 | 0.00 | 1,337.85 | 3,915.92 | 1,957.96 | 6,227.94 | 3,075.75 | 6.09  | -1.17 | 0.442 |
| 53.00  | -26.56 | -21.25 | 0.00 | -1,316.46 | 0.00 | 1,316.46 | 3,899.56 | 1,949.78 | 6,175.57 | 3,049.88 | 6.34  | -1.19 | 0.439 |
| 54.00  | -26.16 | -21.10 | 0.00 | -1,295.21 | 0.00 | 1,295.21 | 3,883.20 | 1,941.60 | 6,123.42 | 3,024.13 | 6.59  | -1.21 | 0.435 |
| 55.00  | -25.76 | -20.95 | 0.00 | -1,274.11 | 0.00 | 1,274.11 | 3,866.84 | 1,933.42 | 6,071.48 | 2,998.48 | 6.85  | -1.23 | 0.432 |
| 55.00  | -25.76 | -20.95 | 0.00 | -1,274.11 | 0.00 | 1,274.11 | 3,220.97 | 1,610.49 | 5,114.03 | 2,525.63 | 6.85  | -1.23 | 0.513 |
| 56.00  | -25.39 | -20.80 | 0.00 | -1,253.16 | 0.00 | 1,253.16 | 3,207.40 | 1,603.70 | 5,070.70 | 2,504.23 | 7.11  | -1.26 | 0.509 |
| 57.00  | -25.02 | -20.65 | 0.00 | -1,232.36 | 0.00 | 1,232.36 | 3,193.84 | 1,596.92 | 5,027.55 | 2,482.92 | 7.37  | -1.28 | 0.504 |
| 58.00  | -24.65 | -20.50 | 0.00 | -1,211.71 | 0.00 | 1,211.71 | 3,180.27 | 1,590.13 | 4,984.58 | 2,461.70 | 7.64  | -1.30 | 0.500 |
| 59.00  | -24.28 | -20.35 | 0.00 | -1,191.21 | 0.00 | 1,191.21 | 3,166.70 | 1,583.35 | 4,941.80 | 2,440.57 | 7.92  | -1.33 | 0.496 |
| 60.00  | -23.92 | -20.20 | 0.00 | -1,170.86 | 0.00 | 1,170.86 | 3,153.13 | 1,576.57 | 4,899.21 | 2,419.54 | 8.20  | -1.35 | 0.492 |
| 61.00  | -23.55 | -20.04 | 0.00 | -1,150.66 | 0.00 | 1,150.66 | 3,139.57 | 1,569.78 | 4,856.80 | 2,398.59 | 8.49  | -1.37 | 0.487 |
| 62.00  | -23.19 | -19.89 | 0.00 | -1,130.62 | 0.00 | 1,130.62 | 3,126.00 | 1,563.00 | 4,814.57 | 2,377.74 | 8.78  | -1.40 | 0.483 |
| 63.00  | -22.83 | -19.74 | 0.00 | -1,110.73 | 0.00 | 1,110.73 | 3,112.43 | 1,556.21 | 4,772.53 | 2,356.97 | 9.07  | -1.42 | 0.479 |
| 64.00  | -22.47 | -19.58 | 0.00 | -1,090.99 | 0.00 | 1,090.99 | 3,098.86 | 1,549.43 | 4,730.67 | 2,336.30 | 9.37  | -1.44 | 0.474 |
| 65.00  | -22.11 | -19.43 | 0.00 | -1,071.41 | 0.00 | 1,071.41 | 3,085.29 | 1,542.65 | 4,689.00 | 2,315.72 | 9.68  | -1.47 | 0.470 |
| 66.00  | -21.76 | -19.28 | 0.00 | -1,051.98 | 0.00 | 1,051.98 | 3,071.73 | 1,535.86 | 4,647.51 | 2,295.23 | 9.99  | -1.49 | 0.466 |
| 67.00  | -21.40 | -19.12 | 0.00 | -1,032.70 | 0.00 | 1,032.70 | 3,058.16 | 1,529.08 | 4,606.20 | 2,274.83 | 10.30 | -1.51 | 0.461 |
| 68.00  | -21.05 | -18.97 | 0.00 | -1,013.58 | 0.00 | 1,013.58 | 3,044.59 | 1,522.30 | 4,565.08 | 2,254.52 | 10.62 | -1.54 | 0.457 |
| 69.00  | -20.70 | -18.81 | 0.00 | -994.61   | 0.00 | 994.61   | 3,031.02 | 1,515.51 | 4,524.15 | 2,234.31 | 10.95 | -1.56 | 0.452 |
| 70.00  | -20.35 | -18.65 | 0.00 | -975.80   | 0.00 | 975.80   | 3,017.46 | 1,508.73 | 4,483.40 | 2,214.18 | 11.28 | -1.58 | 0.448 |
| 71.00  | -20.00 | -18.50 | 0.00 | -957.15   | 0.00 | 957.15   | 3,003.89 | 1,501.94 | 4,442.83 | 2,194.15 | 11.61 | -1.60 | 0.443 |
| 72.00  | -19.65 | -18.34 | 0.00 | -938.65   | 0.00 | 938.65   | 2,990.32 | 1,495.16 | 4,402.45 | 2,174.20 | 11.95 | -1.63 | 0.438 |
| 73.00  | -19.30 | -18.19 | 0.00 | -920.31   | 0.00 | 920.31   | 2,976.75 | 1,488.38 | 4,362.25 | 2,154.35 | 12.29 | -1.65 | 0.434 |
| 74.00  | -18.96 | -18.03 | 0.00 | -902.12   | 0.00 | 902.12   | 2,963.19 | 1,481.59 | 4,322.24 | 2,134.59 | 12.64 | -1.67 | 0.429 |
| 75.00  | -18.62 | -17.87 | 0.00 | -884.10   | 0.00 | 884.10   | 2,949.62 | 1,474.81 | 4,282.41 | 2,114.92 | 12.99 | -1.69 | 0.424 |
| 75.00  | -18.62 | -17.87 | 0.00 | -884.10   | 0.00 | 884.10   | 2,628.21 | 1,314.11 | 3,842.67 | 1,897.75 | 12.99 | -1.69 | 0.473 |
| 76.00  | -18.33 | -17.71 | 0.00 | -866.23   | 0.00 | 866.23   | 2,616.17 | 1,308.08 | 3,807.28 | 1,880.27 | 13.35 | -1.71 | 0.468 |
| 77.00  | -18.05 | -17.56 | 0.00 | -848.51   | 0.00 | 848.51   | 2,604.12 | 1,302.06 | 3,772.05 | 1,862.87 | 13.71 | -1.74 | 0.463 |
| 78.00  | -17.76 | -17.40 | 0.00 | -830.96   | 0.00 | 830.96   | 2,592.07 | 1,296.04 | 3,736.99 | 1,845.56 | 14.08 | -1.77 | 0.457 |
| 79.00  | -17.48 | -17.25 | 0.00 | -813.55   | 0.00 | 813.55   | 2,580.03 | 1,290.01 | 3,702.09 | 1,828.32 | 14.45 | -1.79 | 0.452 |
| 80.00  | -17.14 | -17.06 | 0.00 | -796.30   | 0.00 | 796.30   | 2,567.98 | 1,283.99 | 3,667.36 | 1,811.17 | 14.83 | -1.82 | 0.447 |
| 81.00  | -16.81 | -16.88 | 0.00 | -779.24   | 0.00 | 779.24   | 2,555.93 | 1,277.97 | 3,632.78 | 1,794.10 | 15.21 | -1.84 | 0.441 |
| 82.00  | -16.47 | -16.69 | 0.00 | -762.37   | 0.00 | 762.37   | 2,543.88 | 1,271.94 | 3,598.38 | 1,777.10 | 15.60 | -1.87 | 0.436 |
| 83.00  | -16.13 | -16.50 | 0.00 | -745.68   | 0.00 | 745.68   | 2,531.84 | 1,265.92 | 3,564.13 | 1,760.19 | 15.99 | -1.90 | 0.430 |
| 84.00  | -15.80 | -16.31 | 0.00 | -729.18   | 0.00 | 729.18   | 2,519.79 | 1,259.89 | 3,530.05 | 1,743.36 | 16.39 | -1.92 | 0.425 |
| 84.67  | -15.58 | -16.18 | 0.00 | -718.25   | 0.00 | 718.25   | 2,511.72 | 1,255.86 | 3,507.31 | 1,732.13 | 16.66 | -1.94 | 0.421 |
| 85.00  | -15.45 | -16.12 | 0.00 | -712.91   | 0.00 | 712.91   | 2,507.74 | 1,253.87 | 3,496.14 | 1,726.61 | 16.80 | -1.95 | 0.266 |
| 85.00  | -15.45 | -16.12 | 0.00 | -712.91   | 0.00 | 712.91   | 1,414.25 | 707.13   | 1,455.35 | 718.74   | 16.80 | -1.95 | 0.258 |
| 86.00  | -15.21 | -16.02 | 0.00 | -696.79   | 0.00 | 696.79   | 1,408.59 | 704.29   | 1,440.18 | 711.25   | 17.21 | -1.96 | 0.334 |
| 87.00  | -14.96 | -15.92 | 0.00 | -680.77   | 0.00 | 680.77   | 1,402.88 | 701.44   | 1,425.06 | 703.78   | 17.62 | -2.00 | 0.327 |
| 88.00  | -14.71 | -15.82 | 0.00 | -664.85   | 0.00 | 664.85   | 1,397.13 | 698.56   | 1,409.96 | 696.33   | 18.05 | -2.04 | 0.321 |
| 89.00  | -14.47 | -15.72 | 0.00 | -649.03   | 0.00 | 649.03   | 1,391.33 | 695.67   | 1,394.89 | 688.89   | 18.48 | -2.08 | 0.314 |
| 90.00  | -14.22 | -15.62 | 0.00 | -633.30   | 0.00 | 633.30   | 1,385.49 | 692.75   | 1,379.86 | 681.46   | 18.92 | -2.13 | 0.307 |
| 91.00  | -13.98 | -15.52 | 0.00 | -617.68   | 0.00 | 617.68   | 1,379.61 | 689.81   | 1,364.87 | 674.06   | 19.37 | -2.16 | 0.301 |
| 92.00  | -13.73 | -15.42 | 0.00 | -602.16   | 0.00 | 602.16   | 1,373.69 | 686.84   | 1,349.91 | 666.67   | 19.83 | -2.20 | 0.294 |
| 93.00  | -13.49 | -15.30 | 0.00 | -586.74   | 0.00 | 586.74   | 1,367.72 | 683.86   | 1,334.99 | 659.30   | 20.30 | -2.24 | 0.287 |
| 94.00  | -13.25 | -15.17 | 0.00 | -571.44   | 0.00 | 571.44   | 1,361.71 | 680.85   | 1,320.10 | 651.95   | 20.77 | -2.28 | 0.281 |
| 95.00  | -13.01 | -15.05 | 0.00 | -556.27   | 0.00 | 556.27   | 1,355.66 | 677.83   | 1,305.26 | 644.62   | 21.25 | -2.32 | 0.274 |
| 95.44  | -12.91 | -14.99 | 0.00 | -549.65   | 0.00 | 549.65   | 1,352.98 | 676.49   | 1,298.74 | 641.40   | 21.47 | -2.33 | 0.271 |
| 95.44  | -12.91 | -14.99 | 0.00 | -549.65   | 0.00 | 549.65   | 1,352.98 | 676.49   | 1,298.74 | 641.40   | 21.47 | -2.33 | 0.867 |
| 96.00  | -12.79 | -14.93 | 0.00 | -541.25   | 0.00 | 541.25   | 1,349.56 | 674.78   | 1,290.45 | 637.30   | 21.74 | -2.36 | 0.859 |
| 97.00  | -12.58 | -14.83 | 0.00 | -526.32   | 0.00 | 526.32   | 1,343.42 | 671.71   | 1,275.68 | 630.01   | 22.25 | -2.47 | 0.845 |
| 98.00  | -12.37 | -14.72 | 0.00 | -511.49   | 0.00 | 511.49   | 1,337.24 | 668.62   | 1,260.95 | 622.74   | 22.78 | -2.59 | 0.831 |
| 99.00  | -12.16 | -14.62 | 0.00 | -496.77   | 0.00 | 496.77   | 1,331.01 | 665.51   | 1,246.27 | 615.49   | 23.34 | -2.71 | 0.817 |
| 100.00 | -11.96 | -14.51 | 0.00 | -482.15   | 0.00 | 482.15   | 1,324.75 | 662.37   | 1,231.63 | 608.25   | 23.91 | -2.82 | 0.802 |

Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.6W

95.00 mph with No Ice

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

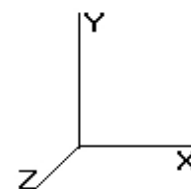
Wind Load Factor : 1.60

|        |        |        |      |         |      |        |          |        |          |        |       |       |       |
|--------|--------|--------|------|---------|------|--------|----------|--------|----------|--------|-------|-------|-------|
| 101.00 | -11.81 | -14.45 | 0.00 | -467.64 | 0.00 | 467.64 | 1,318.44 | 659.22 | 1,217.03 | 601.04 | 24.52 | -2.94 | 0.787 |
| 102.00 | -11.67 | -14.39 | 0.00 | -453.19 | 0.00 | 453.19 | 1,312.08 | 656.04 | 1,202.47 | 593.86 | 25.14 | -3.05 | 0.773 |
| 103.00 | -11.52 | -14.34 | 0.00 | -438.80 | 0.00 | 438.80 | 1,305.69 | 652.84 | 1,187.96 | 586.69 | 25.80 | -3.16 | 0.757 |
| 104.00 | -11.38 | -14.28 | 0.00 | -424.46 | 0.00 | 424.46 | 1,299.25 | 649.62 | 1,173.50 | 579.55 | 26.47 | -3.27 | 0.742 |
| 105.00 | -11.24 | -14.22 | 0.00 | -410.18 | 0.00 | 410.18 | 1,293.29 | 646.65 | 1,159.56 | 572.66 | 27.17 | -3.38 | 0.725 |
| 106.00 | -11.10 | -14.16 | 0.00 | -395.97 | 0.00 | 395.97 | 1,283.85 | 641.92 | 1,142.58 | 564.28 | 27.89 | -3.49 | 0.711 |
| 107.00 | -10.95 | -14.10 | 0.00 | -381.81 | 0.00 | 381.81 | 1,274.40 | 637.20 | 1,125.74 | 555.96 | 28.63 | -3.59 | 0.696 |
| 108.00 | -10.82 | -14.04 | 0.00 | -367.71 | 0.00 | 367.71 | 1,264.95 | 632.48 | 1,109.01 | 547.70 | 29.39 | -3.70 | 0.680 |
| 109.00 | -10.68 | -13.98 | 0.00 | -353.68 | 0.00 | 353.68 | 1,255.51 | 627.75 | 1,092.42 | 539.50 | 30.18 | -3.80 | 0.665 |
| 110.00 | -9.30  | -11.78 | 0.00 | -339.70 | 0.00 | 339.70 | 1,246.06 | 623.03 | 1,075.94 | 531.37 | 30.98 | -3.90 | 0.647 |
| 110.00 | -9.30  | -11.78 | 0.00 | -339.70 | 0.00 | 339.70 | 852.83   | 426.42 | 740.79   | 365.85 | 30.98 | -3.90 | 0.940 |
| 111.00 | -9.19  | -11.72 | 0.00 | -327.93 | 0.00 | 327.93 | 849.27   | 424.64 | 732.18   | 361.60 | 31.81 | -4.00 | 0.918 |
| 112.00 | -9.08  | -11.66 | 0.00 | -316.21 | 0.00 | 316.21 | 845.67   | 422.84 | 723.58   | 357.35 | 32.66 | -4.13 | 0.896 |
| 113.00 | -8.98  | -11.60 | 0.00 | -304.55 | 0.00 | 304.55 | 842.03   | 421.01 | 714.99   | 353.11 | 33.54 | -4.26 | 0.874 |
| 114.00 | -8.87  | -11.55 | 0.00 | -292.94 | 0.00 | 292.94 | 838.34   | 419.17 | 706.41   | 348.87 | 34.45 | -4.39 | 0.851 |
| 115.00 | -8.77  | -11.49 | 0.00 | -281.40 | 0.00 | 281.40 | 834.62   | 417.31 | 697.84   | 344.64 | 35.38 | -4.51 | 0.828 |
| 116.00 | -8.66  | -11.43 | 0.00 | -269.91 | 0.00 | 269.91 | 830.85   | 415.43 | 689.29   | 340.42 | 36.34 | -4.63 | 0.804 |
| 117.00 | -8.56  | -11.37 | 0.00 | -258.48 | 0.00 | 258.48 | 827.04   | 413.52 | 680.76   | 336.20 | 37.32 | -4.75 | 0.780 |
| 118.00 | -8.46  | -11.31 | 0.00 | -247.11 | 0.00 | 247.11 | 823.19   | 411.60 | 672.24   | 331.99 | 38.33 | -4.87 | 0.755 |
| 119.00 | -8.35  | -11.25 | 0.00 | -235.80 | 0.00 | 235.80 | 819.30   | 409.65 | 663.73   | 327.79 | 39.36 | -4.98 | 0.730 |
| 120.00 | -8.26  | -11.19 | 0.00 | -224.55 | 0.00 | 224.55 | 815.37   | 407.68 | 655.25   | 323.60 | 40.41 | -5.10 | 0.705 |
| 121.00 | -8.16  | -11.13 | 0.00 | -213.35 | 0.00 | 213.35 | 811.40   | 405.70 | 646.78   | 319.42 | 41.49 | -5.21 | 0.679 |
| 122.00 | -8.06  | -11.07 | 0.00 | -202.22 | 0.00 | 202.22 | 807.38   | 403.69 | 638.33   | 315.25 | 42.59 | -5.31 | 0.652 |
| 123.00 | -7.96  | -11.01 | 0.00 | -191.15 | 0.00 | 191.15 | 803.32   | 401.66 | 629.90   | 311.09 | 43.72 | -5.41 | 0.625 |
| 124.00 | -7.87  | -10.95 | 0.00 | -180.14 | 0.00 | 180.14 | 799.23   | 399.61 | 621.49   | 306.93 | 44.86 | -5.51 | 0.597 |
| 125.00 | -7.77  | -10.89 | 0.00 | -169.19 | 0.00 | 169.19 | 795.09   | 397.54 | 613.11   | 302.79 | 46.02 | -5.61 | 0.569 |
| 126.00 | -7.68  | -10.83 | 0.00 | -158.30 | 0.00 | 158.30 | 790.91   | 395.45 | 604.74   | 298.66 | 47.21 | -5.70 | 0.541 |
| 127.00 | -7.59  | -10.76 | 0.00 | -147.47 | 0.00 | 147.47 | 786.69   | 393.34 | 596.40   | 294.54 | 48.41 | -5.79 | 0.511 |
| 128.00 | -7.50  | -10.70 | 0.00 | -136.71 | 0.00 | 136.71 | 782.42   | 391.21 | 588.08   | 290.43 | 49.63 | -5.87 | 0.481 |
| 129.00 | -7.41  | -10.64 | 0.00 | -126.01 | 0.00 | 126.01 | 778.12   | 389.06 | 579.79   | 286.34 | 50.87 | -5.95 | 0.450 |
| 130.00 | -5.60  | -7.15  | 0.00 | -110.71 | 0.00 | 110.71 | 773.77   | 386.89 | 571.52   | 282.25 | 52.12 | -6.03 | 0.400 |
| 131.00 | -5.53  | -7.09  | 0.00 | -103.56 | 0.00 | 103.56 | 769.39   | 384.69 | 563.28   | 278.18 | 53.39 | -6.10 | 0.380 |
| 132.00 | -5.46  | -7.02  | 0.00 | -96.47  | 0.00 | 96.47  | 764.96   | 382.48 | 555.06   | 274.13 | 54.67 | -6.16 | 0.359 |
| 133.00 | -5.40  | -6.96  | 0.00 | -89.45  | 0.00 | 89.45  | 760.49   | 380.24 | 546.88   | 270.08 | 55.97 | -6.23 | 0.339 |
| 134.00 | -5.33  | -6.90  | 0.00 | -82.49  | 0.00 | 82.49  | 755.98   | 377.99 | 538.72   | 266.05 | 57.27 | -6.29 | 0.317 |
| 135.00 | -5.26  | -6.83  | 0.00 | -75.59  | 0.00 | 75.59  | 751.42   | 375.71 | 530.59   | 262.04 | 58.59 | -6.34 | 0.296 |
| 136.00 | -5.20  | -6.77  | 0.00 | -68.76  | 0.00 | 68.76  | 746.83   | 373.41 | 522.49   | 258.04 | 59.93 | -6.39 | 0.274 |
| 137.00 | -5.13  | -6.70  | 0.00 | -62.00  | 0.00 | 62.00  | 742.19   | 371.10 | 514.42   | 254.05 | 61.27 | -6.44 | 0.251 |
| 138.00 | -5.07  | -6.64  | 0.00 | -55.29  | 0.00 | 55.29  | 737.52   | 368.76 | 506.39   | 250.09 | 62.62 | -6.49 | 0.228 |
| 139.00 | -5.01  | -6.57  | 0.00 | -48.66  | 0.00 | 48.66  | 732.80   | 366.40 | 498.39   | 246.13 | 63.98 | -6.53 | 0.205 |
| 140.00 | -2.71  | -3.74  | 0.00 | -42.08  | 0.00 | 42.08  | 728.04   | 364.02 | 490.42   | 242.20 | 65.35 | -6.57 | 0.178 |
| 141.00 | -2.65  | -3.67  | 0.00 | -38.34  | 0.00 | 38.34  | 721.77   | 360.89 | 481.50   | 237.80 | 66.73 | -6.60 | 0.165 |
| 142.00 | -2.60  | -3.61  | 0.00 | -34.67  | 0.00 | 34.67  | 714.82   | 357.41 | 472.22   | 233.21 | 68.11 | -6.63 | 0.152 |
| 143.00 | -2.54  | -3.54  | 0.00 | -31.06  | 0.00 | 31.06  | 707.87   | 353.93 | 463.02   | 228.67 | 69.50 | -6.66 | 0.140 |
| 144.00 | -2.49  | -3.48  | 0.00 | -27.52  | 0.00 | 27.52  | 700.91   | 350.46 | 453.92   | 224.17 | 70.90 | -6.69 | 0.126 |
| 145.00 | -2.44  | -3.42  | 0.00 | -24.04  | 0.00 | 24.04  | 693.96   | 346.98 | 444.90   | 219.72 | 72.30 | -6.71 | 0.113 |
| 146.00 | -2.39  | -3.35  | 0.00 | -20.62  | 0.00 | 20.62  | 687.01   | 343.50 | 435.98   | 215.31 | 73.70 | -6.74 | 0.099 |
| 147.00 | -2.34  | -3.29  | 0.00 | -17.27  | 0.00 | 17.27  | 680.05   | 340.03 | 427.15   | 210.95 | 75.11 | -6.75 | 0.085 |
| 148.00 | -2.28  | -3.23  | 0.00 | -13.98  | 0.00 | 13.98  | 673.10   | 336.55 | 418.40   | 206.63 | 76.53 | -6.77 | 0.071 |
| 149.00 | -2.23  | -3.17  | 0.00 | -10.75  | 0.00 | 10.75  | 666.15   | 333.07 | 409.75   | 202.36 | 77.94 | -6.78 | 0.057 |
| 150.00 | 0.00   | -2.88  | 0.00 | -7.58   | 0.00 | 7.58   | 659.19   | 329.60 | 401.19   | 198.13 | 79.36 | -6.79 | 0.038 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 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)

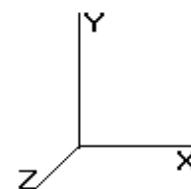
| Seg Top |                 |      |      |        |       |          |       |         |           |       |      |         |          |          |
|---------|-----------------|------|------|--------|-------|----------|-------|---------|-----------|-------|------|---------|----------|----------|
| Elev    | Description     | Kzt  | Kz   | qz     | qzGh  | C        | Cf    | Ice     | Tributary | Ap    | EPAs | Wind    | Dead     | Tot Dead |
| (ft)    |                 |      |      | (psf)  | (psf) | (mph-ft) |       | Thick   | (ft)      | (sf)  | (sf) | Force X | Load Ice | Load     |
|         |                 |      |      |        |       |          |       | (in)    |           |       |      | (lb)    | (lb)     | (lb)     |
| 0.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 369.60   | 1.000 | 0.000   | 0.00      | 0.000 | 0.00 | 0.0     | 0.0      | 0.0      |
| 1.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 365.71   | 1.000 | 0.000   | 1.00      | 4.626 | 4.63 | 125.1   | 0.0      | 391.0    |
| 2.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 361.82   | 1.000 | 0.000   | 1.00      | 4.577 | 4.58 | 123.8   | 0.0      | 386.8    |
| 3.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 357.93   | 1.000 | 0.000   | 1.00      | 4.528 | 4.53 | 122.4   | 0.0      | 382.6    |
| 4.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 354.05   | 1.000 | 0.000   | 1.00      | 4.479 | 4.48 | 121.1   | 0.0      | 378.4    |
| 5.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 350.16   | 1.000 | 0.000   | 1.00      | 4.430 | 4.43 | 119.8   | 0.0      | 374.2    |
| 6.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 346.27   | 1.200 | * 0.000 | 1.00      | 4.381 | 5.26 | 142.2   | 0.0      | 370.0    |
| 7.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 342.38   | 1.200 | * 0.000 | 1.00      | 4.332 | 5.20 | 140.6   | 0.0      | 365.8    |
| 8.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 338.49   | 1.200 | * 0.000 | 1.00      | 4.283 | 5.14 | 139.0   | 0.0      | 361.6    |
| 9.00    |                 | 1.00 | 0.70 | 15.364 | 16.90 | 334.60   | 1.200 | * 0.000 | 1.00      | 4.234 | 5.08 | 137.4   | 0.0      | 357.4    |
| 10.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 330.72   | 1.200 | * 0.000 | 1.00      | 4.185 | 5.02 | 135.8   | 0.0      | 353.3    |
| 11.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 326.83   | 1.200 | * 0.000 | 1.00      | 4.136 | 4.96 | 134.2   | 0.0      | 349.1    |
| 12.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 322.94   | 1.200 | * 0.000 | 1.00      | 4.088 | 4.91 | 132.6   | 0.0      | 344.9    |
| 13.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 319.05   | 1.200 | * 0.000 | 1.00      | 4.039 | 4.85 | 131.0   | 0.0      | 340.7    |
| 14.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 315.16   | 1.200 | * 0.000 | 1.00      | 3.990 | 4.79 | 129.5   | 0.0      | 336.5    |
| 15.00   | Top - Section 1 | 1.00 | 0.70 | 15.364 | 16.90 | 311.28   | 1.200 | * 0.000 | 1.00      | 3.941 | 4.73 | 127.9   | 0.0      | 332.3    |
| 16.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 311.57   | 1.200 | * 0.000 | 1.00      | 3.927 | 4.71 | 127.4   | 0.0      | 303.9    |
| 17.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 310.45   | 1.200 | * 0.000 | 1.00      | 3.913 | 4.70 | 127.0   | 0.0      | 302.8    |
| 18.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 309.34   | 1.200 | * 0.000 | 1.00      | 3.899 | 4.68 | 126.5   | 0.0      | 301.7    |
| 19.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 308.23   | 1.200 | * 0.000 | 1.00      | 3.885 | 4.66 | 126.1   | 0.0      | 300.6    |
| 20.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 307.11   | 1.200 | * 0.000 | 1.00      | 3.871 | 4.65 | 125.6   | 0.0      | 299.5    |
| 21.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 306.00   | 1.200 | * 0.000 | 1.00      | 3.857 | 4.63 | 125.2   | 0.0      | 298.4    |
| 22.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 304.88   | 1.200 | * 0.000 | 1.00      | 3.843 | 4.61 | 124.7   | 0.0      | 297.3    |
| 23.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 303.77   | 1.200 | * 0.000 | 1.00      | 3.829 | 4.59 | 124.2   | 0.0      | 296.2    |
| 24.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 302.65   | 1.200 | * 0.000 | 1.00      | 3.815 | 4.58 | 123.8   | 0.0      | 295.1    |
| 25.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 301.54   | 1.200 | * 0.000 | 1.00      | 3.801 | 4.56 | 123.3   | 0.0      | 294.0    |
| 26.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 300.43   | 1.200 | * 0.000 | 1.00      | 3.787 | 4.54 | 122.9   | 0.0      | 292.9    |
| 27.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 299.31   | 1.200 | * 0.000 | 1.00      | 3.773 | 4.53 | 122.4   | 0.0      | 291.8    |
| 28.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 298.20   | 1.200 | * 0.000 | 1.00      | 3.759 | 4.51 | 122.0   | 0.0      | 290.7    |
| 29.00   |                 | 1.00 | 0.70 | 15.364 | 16.90 | 297.08   | 1.200 | * 0.000 | 1.00      | 3.745 | 4.49 | 121.5   | 0.0      | 289.6    |
| 30.00   |                 | 1.00 | 0.70 | 15.377 | 16.91 | 296.09   | 1.200 | * 0.000 | 1.00      | 3.731 | 4.48 | 121.2   | 0.0      | 288.5    |
| 31.00   |                 | 1.00 | 0.70 | 15.522 | 17.07 | 296.36   | 1.200 | * 0.000 | 1.00      | 3.717 | 4.46 | 121.8   | 0.0      | 287.4    |
| 32.00   |                 | 1.00 | 0.71 | 15.663 | 17.23 | 296.59   | 1.200 | * 0.000 | 1.00      | 3.703 | 4.44 | 122.5   | 0.0      | 286.3    |
| 33.00   |                 | 1.00 | 0.72 | 15.802 | 17.38 | 296.76   | 1.200 | * 0.000 | 1.00      | 3.689 | 4.43 | 123.1   | 0.0      | 285.2    |
| 34.00   |                 | 1.00 | 0.72 | 15.937 | 17.53 | 296.90   | 1.200 | * 0.000 | 1.00      | 3.675 | 4.41 | 123.7   | 0.0      | 284.1    |
| 35.00   |                 | 1.00 | 0.73 | 16.070 | 17.67 | 296.99   | 1.200 | * 0.000 | 1.00      | 3.661 | 4.39 | 124.2   | 0.0      | 283.0    |
| 36.00   |                 | 1.00 | 0.73 | 16.199 | 17.81 | 297.04   | 1.200 | * 0.000 | 1.00      | 3.647 | 4.38 | 124.8   | 0.0      | 281.9    |
| 37.00   |                 | 1.00 | 0.74 | 16.327 | 17.95 | 297.06   | 1.200 | * 0.000 | 1.00      | 3.633 | 4.36 | 125.3   | 0.0      | 280.8    |
| 38.00   |                 | 1.00 | 0.75 | 16.452 | 18.09 | 297.04   | 1.200 | * 0.000 | 1.00      | 3.619 | 4.34 | 125.7   | 0.0      | 279.7    |
| 39.00   |                 | 1.00 | 0.75 | 16.574 | 18.23 | 296.99   | 1.200 | * 0.000 | 1.00      | 3.605 | 4.33 | 126.2   | 0.0      | 278.6    |
| 40.00   |                 | 1.00 | 0.76 | 16.694 | 18.36 | 296.90   | 1.200 | * 0.000 | 1.00      | 3.591 | 4.31 | 126.6   | 0.0      | 277.5    |
| 41.00   |                 | 1.00 | 0.76 | 16.813 | 18.49 | 296.78   | 1.200 | * 0.000 | 1.00      | 3.577 | 4.29 | 127.0   | 0.0      | 276.4    |
| 42.00   |                 | 1.00 | 0.77 | 16.929 | 18.62 | 296.64   | 1.200 | * 0.000 | 1.00      | 3.563 | 4.28 | 127.4   | 0.0      | 275.3    |
| 43.00   |                 | 1.00 | 0.77 | 17.043 | 18.74 | 296.46   | 1.200 | * 0.000 | 1.00      | 3.548 | 4.26 | 127.7   | 0.0      | 274.2    |
| 44.00   |                 | 1.00 | 0.78 | 17.155 | 18.87 | 296.26   | 1.200 | * 0.000 | 1.00      | 3.534 | 4.24 | 128.1   | 0.0      | 273.1    |
| 45.00   |                 | 1.00 | 0.78 | 17.266 | 18.99 | 296.03   | 1.200 | * 0.000 | 1.00      | 3.520 | 4.22 | 128.4   | 0.0      | 272.0    |
| 46.00   |                 | 1.00 | 0.79 | 17.375 | 19.11 | 295.78   | 1.200 | * 0.000 | 1.00      | 3.506 | 4.21 | 128.7   | 0.0      | 270.9    |
| 47.00   |                 | 1.00 | 0.79 | 17.482 | 19.23 | 295.50   | 1.200 | * 0.000 | 1.00      | 3.492 | 4.19 | 128.9   | 0.0      | 269.8    |
| 48.00   |                 | 1.00 | 0.80 | 17.587 | 19.34 | 295.20   | 1.200 | * 0.000 | 1.00      | 3.478 | 4.17 | 129.2   | 0.0      | 268.7    |
| 49.00   |                 | 1.00 | 0.80 | 17.691 | 19.46 | 294.87   | 1.200 | * 0.000 | 1.00      | 3.464 | 4.16 | 129.4   | 0.0      | 267.6    |
| 50.00   |                 | 1.00 | 0.81 | 17.793 | 19.57 | 294.53   | 1.200 | * 0.000 | 1.00      | 3.450 | 4.14 | 129.7   | 0.0      | 266.5    |



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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6/6/2014 2:40:44 PM

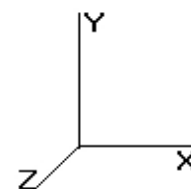
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| Load Case: 0.9D + 1.6W      |                 |      |      | 95.00 mph with No Ice (Reduced DL) |       |        |       |   |       |                               |       | 29 Iterations |       |     |       |
|-----------------------------|-----------------|------|------|------------------------------------|-------|--------|-------|---|-------|-------------------------------|-------|---------------|-------|-----|-------|
| Gust Response Factor : 1.10 |                 |      |      |                                    |       |        |       |   |       | Wind Importance Factor : 1.00 |       |               |       |     |       |
| Dead Load Factor : 0.90     |                 |      |      |                                    |       |        |       |   |       |                               |       |               |       |     |       |
| Wind Load Factor : 1.60     |                 |      |      |                                    |       |        |       |   |       |                               |       |               |       |     |       |
| 51.00                       | Top - Section 2 | 1.00 | 0.81 | 17.894                             | 19.68 | 294.16 | 1.200 | * | 0.000 | 1.00                          | 3.436 | 4.12          | 129.9 | 0.0 | 265.4 |
| 52.00                       |                 | 1.00 | 0.82 | 17.994                             | 19.79 | 293.77 | 1.200 | * | 0.000 | 1.00                          | 3.422 | 4.11          | 130.1 | 0.0 | 264.3 |
| 53.00                       |                 | 1.00 | 0.82 | 18.092                             | 19.90 | 293.36 | 1.200 | * | 0.000 | 1.00                          | 3.408 | 4.09          | 130.2 | 0.0 | 263.2 |
| 54.00                       |                 | 1.00 | 0.82 | 18.189                             | 20.00 | 292.93 | 1.200 | * | 0.000 | 1.00                          | 3.394 | 4.07          | 130.4 | 0.0 | 262.1 |
| 55.00                       |                 | 1.00 | 0.83 | 18.285                             | 20.11 | 292.49 | 1.200 | * | 0.000 | 1.00                          | 3.380 | 4.06          | 130.5 | 0.0 | 261.0 |
| 56.00                       |                 | 1.00 | 0.83 | 18.379                             | 20.21 | 294.26 | 1.200 | * | 0.000 | 1.00                          | 3.392 | 4.07          | 131.7 | 0.0 | 238.5 |
| 57.00                       |                 | 1.00 | 0.84 | 18.472                             | 20.31 | 293.78 | 1.200 | * | 0.000 | 1.00                          | 3.378 | 4.05          | 131.8 | 0.0 | 237.5 |
| 58.00                       |                 | 1.00 | 0.84 | 18.564                             | 20.42 | 293.28 | 1.200 | * | 0.000 | 1.00                          | 3.364 | 4.04          | 131.9 | 0.0 | 236.5 |
| 59.00                       |                 | 1.00 | 0.85 | 18.655                             | 20.52 | 292.76 | 1.200 | * | 0.000 | 1.00                          | 3.350 | 4.02          | 132.0 | 0.0 | 235.5 |
| 60.00                       |                 | 1.00 | 0.85 | 18.745                             | 20.61 | 292.23 | 1.200 | * | 0.000 | 1.00                          | 3.336 | 4.00          | 132.1 | 0.0 | 234.4 |
| 61.00                       | Top - Section 3 | 1.00 | 0.85 | 18.834                             | 20.71 | 291.68 | 1.200 | * | 0.000 | 1.00                          | 3.322 | 3.99          | 132.1 | 0.0 | 233.4 |
| 62.00                       |                 | 1.00 | 0.86 | 18.921                             | 20.81 | 291.12 | 1.200 | * | 0.000 | 1.00                          | 3.308 | 3.97          | 132.2 | 0.0 | 232.4 |
| 63.00                       |                 | 1.00 | 0.86 | 19.008                             | 20.90 | 290.54 | 1.200 | * | 0.000 | 1.00                          | 3.293 | 3.95          | 132.2 | 0.0 | 231.4 |
| 64.00                       |                 | 1.00 | 0.87 | 19.094                             | 21.00 | 289.94 | 1.200 | * | 0.000 | 1.00                          | 3.279 | 3.94          | 132.2 | 0.0 | 230.4 |
| 65.00                       |                 | 1.00 | 0.87 | 19.179                             | 21.09 | 289.33 | 1.200 | * | 0.000 | 1.00                          | 3.265 | 3.92          | 132.3 | 0.0 | 229.4 |
| 66.00                       |                 | 1.00 | 0.87 | 19.262                             | 21.18 | 288.71 | 1.200 | * | 0.000 | 1.00                          | 3.251 | 3.90          | 132.3 | 0.0 | 228.4 |
| 67.00                       |                 | 1.00 | 0.88 | 19.345                             | 21.28 | 288.08 | 1.200 | * | 0.000 | 1.00                          | 3.237 | 3.88          | 132.3 | 0.0 | 227.4 |
| 68.00                       |                 | 1.00 | 0.88 | 19.427                             | 21.37 | 287.43 | 1.200 | * | 0.000 | 1.00                          | 3.223 | 3.87          | 132.2 | 0.0 | 226.4 |
| 69.00                       |                 | 1.00 | 0.88 | 19.509                             | 21.45 | 286.77 | 1.200 | * | 0.000 | 1.00                          | 3.209 | 3.85          | 132.2 | 0.0 | 225.4 |
| 70.00                       |                 | 1.00 | 0.89 | 19.589                             | 21.54 | 286.09 | 1.200 | * | 0.000 | 1.00                          | 3.195 | 3.83          | 132.2 | 0.0 | 224.4 |
| 71.00                       | Top - Section 4 | 1.00 | 0.89 | 19.669                             | 21.63 | 285.40 | 1.200 | * | 0.000 | 1.00                          | 3.181 | 3.82          | 132.1 | 0.0 | 223.4 |
| 72.00                       |                 | 1.00 | 0.90 | 19.747                             | 21.72 | 284.70 | 1.200 | * | 0.000 | 1.00                          | 3.167 | 3.80          | 132.1 | 0.0 | 222.4 |
| 73.00                       |                 | 1.00 | 0.90 | 19.825                             | 21.80 | 283.99 | 1.200 | * | 0.000 | 1.00                          | 3.153 | 3.78          | 132.0 | 0.0 | 221.4 |
| 74.00                       |                 | 1.00 | 0.90 | 19.902                             | 21.89 | 283.27 | 1.200 | * | 0.000 | 1.00                          | 3.138 | 3.77          | 131.9 | 0.0 | 220.4 |
| 75.00                       |                 | 1.00 | 0.91 | 19.979                             | 21.97 | 282.54 | 1.200 | * | 0.000 | 1.00                          | 3.124 | 3.75          | 131.8 | 0.0 | 219.3 |
| 76.00                       |                 | 1.00 | 0.91 | 20.055                             | 22.06 | 281.79 | 1.200 | * | 0.000 | 1.00                          | 3.110 | 3.73          | 131.7 | 0.0 | 175.3 |
| 77.00                       |                 | 1.00 | 0.91 | 20.130                             | 22.14 | 281.04 | 1.200 | * | 0.000 | 1.00                          | 3.096 | 3.72          | 131.6 | 0.0 | 174.5 |
| 78.00                       |                 | 1.00 | 0.92 | 20.204                             | 22.22 | 280.27 | 1.200 | * | 0.000 | 1.00                          | 3.082 | 3.70          | 131.5 | 0.0 | 173.7 |
| 79.00                       |                 | 1.00 | 0.92 | 20.278                             | 22.30 | 279.50 | 1.200 | * | 0.000 | 1.00                          | 3.068 | 3.68          | 131.4 | 0.0 | 172.9 |
| 80.00                       |                 | 1.00 | 0.92 | 20.351                             | 22.38 | 278.71 | 1.200 | * | 0.000 | 1.00                          | 3.054 | 3.66          | 131.3 | 0.0 | 172.1 |
| 81.00                       | Reinf Bottom    | 1.00 | 0.93 | 20.423                             | 22.46 | 277.91 | 1.200 | * | 0.000 | 1.00                          | 3.040 | 3.65          | 131.1 | 0.0 | 171.3 |
| 82.00                       |                 | 1.00 | 0.93 | 20.495                             | 22.54 | 277.11 | 1.200 | * | 0.000 | 1.00                          | 3.026 | 3.63          | 131.0 | 0.0 | 170.5 |
| 83.00                       |                 | 1.00 | 0.93 | 20.566                             | 22.62 | 276.29 | 1.200 | * | 0.000 | 1.00                          | 3.012 | 3.61          | 130.8 | 0.0 | 169.7 |
| 84.00                       |                 | 1.00 | 0.94 | 20.636                             | 22.70 | 275.47 | 1.200 | * | 0.000 | 1.00                          | 2.998 | 3.60          | 130.6 | 0.0 | 168.8 |
| 84.67                       |                 | 1.00 | 0.94 | 20.683                             | 22.75 | 274.91 | 1.200 | * | 0.000 | 0.67                          | 2.000 | 2.40          | 87.4  | 0.0 | 112.7 |
| 85.00                       |                 | 1.00 | 0.94 | 20.706                             | 22.77 | 274.63 | 1.200 | * | 0.000 | 0.33                          | 0.983 | 1.18          | 43.0  | 0.0 | 71.9  |
| 86.00                       |                 | 1.00 | 0.94 | 20.776                             | 22.85 | 199.91 | 1.000 | * | 0.000 | 1.00                          | 2.170 | 2.17          | 79.3  | 0.0 | 111.5 |
| 87.00                       |                 | 1.00 | 0.95 | 20.844                             | 22.92 | 198.97 | 1.000 | * | 0.000 | 1.00                          | 2.156 | 2.16          | 79.1  | 0.0 | 111.1 |
| 88.00                       |                 | 1.00 | 0.95 | 20.913                             | 23.00 | 198.02 | 1.000 | * | 0.000 | 1.00                          | 2.142 | 2.14          | 78.9  | 0.0 | 110.7 |
| 89.00                       |                 | 1.00 | 0.95 | 20.980                             | 23.07 | 197.06 | 1.000 | * | 0.000 | 1.00                          | 2.129 | 2.13          | 78.6  | 0.0 | 110.3 |
| 90.00                       | Reinf. Top      | 1.00 | 0.95 | 21.047                             | 23.15 | 196.10 | 1.000 | * | 0.000 | 1.00                          | 2.115 | 2.11          | 78.3  | 0.0 | 109.9 |
| 91.00                       |                 | 1.00 | 0.96 | 21.114                             | 23.22 | 195.13 | 1.000 | * | 0.000 | 1.00                          | 2.101 | 2.10          | 78.1  | 0.0 | 109.5 |
| 92.00                       |                 | 1.00 | 0.96 | 21.180                             | 23.29 | 194.15 | 1.000 | * | 0.000 | 1.00                          | 2.087 | 2.09          | 77.8  | 0.0 | 109.1 |
| 93.00                       |                 | 1.00 | 0.96 | 21.245                             | 23.37 | 193.17 | 1.200 | * | 0.000 | 1.00                          | 2.074 | 2.49          | 93.0  | 0.0 | 108.7 |
| 94.00                       |                 | 1.00 | 0.97 | 21.310                             | 23.44 | 192.18 | 1.200 | * | 0.000 | 1.00                          | 2.060 | 2.47          | 92.7  | 0.0 | 108.3 |
| 95.00                       |                 | 1.00 | 0.97 | 21.375                             | 23.51 | 191.18 | 1.200 | * | 0.000 | 1.00                          | 2.046 | 2.46          | 92.4  | 0.0 | 108.0 |
| 95.44                       |                 | 1.00 | 0.97 | 21.403                             | 23.54 | 190.74 | 1.200 | * | 0.000 | 0.44                          | 0.896 | 1.08          | 40.5  | 0.0 | 47.4  |
| 96.00                       |                 | 1.00 | 0.97 | 21.439                             | 23.58 | 190.18 | 1.200 | * | 0.000 | 0.56                          | 1.136 | 1.36          | 51.5  | 0.0 | 32.1  |
| 97.00                       |                 | 1.00 | 0.98 | 21.503                             | 23.65 | 189.17 | 1.200 | * | 0.000 | 1.00                          | 2.019 | 2.42          | 91.7  | 0.0 | 57.1  |
| 98.00                       |                 | 1.00 | 0.98 | 21.566                             | 23.72 | 188.15 | 1.200 | * | 0.000 | 1.00                          | 2.005 | 2.41          | 91.3  | 0.0 | 56.7  |
| 99.00                       |                 | 1.00 | 0.98 | 21.628                             | 23.79 | 187.13 | 1.200 | * | 0.000 | 1.00                          | 1.991 | 2.39          | 91.0  | 0.0 | 56.3  |
| 100.0                       |                 | 1.00 | 0.98 | 21.690                             | 23.86 | 186.10 | 1.200 | * | 0.000 | 1.00                          | 1.978 | 2.37          | 90.6  | 0.0 | 55.9  |
| 101.0                       |                 | 1.00 | 0.99 | 21.752                             | 23.92 | 185.07 | 1.000 |   | 0.000 | 1.00                          | 1.964 | 1.96          | 75.2  | 0.0 | 55.5  |
| 102.0                       |                 | 1.00 | 0.99 | 21.814                             | 23.99 | 184.03 | 1.000 |   | 0.000 | 1.00                          | 1.950 | 1.95          | 74.9  | 0.0 | 55.1  |
| 103.0                       |                 | 1.00 | 0.99 | 21.874                             | 24.06 | 182.98 | 1.000 |   | 0.000 | 1.00                          | 1.936 | 1.94          | 74.5  | 0.0 | 54.7  |
| 104.0                       |                 | 1.00 | 0.99 | 21.935                             | 24.12 | 181.93 | 1.000 |   | 0.000 | 1.00                          | 1.923 | 1.92          | 74.2  | 0.0 | 54.3  |
| 105.0                       |                 | 1.00 | 1.00 | 21.995                             | 24.19 | 180.87 | 1.000 |   | 0.000 | 1.00                          | 1.909 | 1.91          | 73.9  | 0.0 | 53.9  |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

|       |                 |      |      |        |       |        |       |       |      |       |      |      |     |      |
|-------|-----------------|------|------|--------|-------|--------|-------|-------|------|-------|------|------|-----|------|
| 106.0 |                 | 1.00 | 1.00 | 22.055 | 24.26 | 179.81 | 1.000 | 0.000 | 1.00 | 1.895 | 1.90 | 73.6 | 0.0 | 53.5 |
| 107.0 |                 | 1.00 | 1.00 | 22.114 | 24.32 | 178.74 | 1.000 | 0.000 | 1.00 | 1.881 | 1.88 | 73.2 | 0.0 | 53.1 |
| 108.0 |                 | 1.00 | 1.01 | 22.173 | 24.39 | 177.67 | 1.000 | 0.000 | 1.00 | 1.868 | 1.87 | 72.9 | 0.0 | 52.8 |
| 109.0 |                 | 1.00 | 1.01 | 22.231 | 24.45 | 176.59 | 1.000 | 0.000 | 1.00 | 1.854 | 1.85 | 72.5 | 0.0 | 52.4 |
| 110.0 | Top - Section 5 | 1.00 | 1.01 | 22.289 | 24.51 | 175.50 | 1.000 | 0.000 | 1.00 | 1.840 | 1.84 | 72.2 | 0.0 | 52.0 |
| 111.0 |                 | 1.00 | 1.01 | 22.347 | 24.58 | 174.44 | 1.000 | 0.000 | 1.00 | 1.827 | 1.83 | 71.8 | 0.0 | 38.8 |
| 112.0 |                 | 1.00 | 1.02 | 22.404 | 24.64 | 173.37 | 1.000 | 0.000 | 1.00 | 1.813 | 1.81 | 71.5 | 0.0 | 38.5 |
| 113.0 |                 | 1.00 | 1.02 | 22.461 | 24.70 | 172.29 | 1.000 | 0.000 | 1.00 | 1.800 | 1.80 | 71.1 | 0.0 | 38.2 |
| 114.0 |                 | 1.00 | 1.02 | 22.518 | 24.77 | 171.21 | 1.000 | 0.000 | 1.00 | 1.786 | 1.79 | 70.8 | 0.0 | 37.9 |
| 115.0 |                 | 1.00 | 1.02 | 22.574 | 24.83 | 170.13 | 1.000 | 0.000 | 1.00 | 1.773 | 1.77 | 70.4 | 0.0 | 37.6 |
| 116.0 |                 | 1.00 | 1.03 | 22.630 | 24.89 | 169.04 | 1.000 | 0.000 | 1.00 | 1.759 | 1.76 | 70.1 | 0.0 | 37.4 |
| 117.0 |                 | 1.00 | 1.03 | 22.686 | 24.95 | 167.94 | 1.000 | 0.000 | 1.00 | 1.746 | 1.75 | 69.7 | 0.0 | 37.1 |
| 118.0 |                 | 1.00 | 1.03 | 22.741 | 25.01 | 166.85 | 1.000 | 0.000 | 1.00 | 1.732 | 1.73 | 69.3 | 0.0 | 36.8 |
| 119.0 |                 | 1.00 | 1.03 | 22.796 | 25.07 | 165.74 | 1.000 | 0.000 | 1.00 | 1.719 | 1.72 | 69.0 | 0.0 | 36.5 |
| 120.0 |                 | 1.00 | 1.04 | 22.850 | 25.13 | 164.63 | 1.000 | 0.000 | 1.00 | 1.705 | 1.71 | 68.6 | 0.0 | 36.2 |
| 121.0 |                 | 1.00 | 1.04 | 22.905 | 25.19 | 163.52 | 1.000 | 0.000 | 1.00 | 1.692 | 1.69 | 68.2 | 0.0 | 35.9 |
| 122.0 |                 | 1.00 | 1.04 | 22.959 | 25.25 | 162.40 | 1.000 | 0.000 | 1.00 | 1.678 | 1.68 | 67.8 | 0.0 | 35.6 |
| 123.0 |                 | 1.00 | 1.04 | 23.012 | 25.31 | 161.28 | 1.000 | 0.000 | 1.00 | 1.665 | 1.66 | 67.4 | 0.0 | 35.3 |
| 124.0 |                 | 1.00 | 1.05 | 23.065 | 25.37 | 160.16 | 1.000 | 0.000 | 1.00 | 1.651 | 1.65 | 67.0 | 0.0 | 35.0 |
| 125.0 |                 | 1.00 | 1.05 | 23.118 | 25.43 | 159.02 | 1.000 | 0.000 | 1.00 | 1.638 | 1.64 | 66.6 | 0.0 | 34.8 |
| 126.0 |                 | 1.00 | 1.05 | 23.171 | 25.48 | 157.89 | 1.000 | 0.000 | 1.00 | 1.624 | 1.62 | 66.2 | 0.0 | 34.5 |
| 127.0 |                 | 1.00 | 1.05 | 23.223 | 25.54 | 156.75 | 1.000 | 0.000 | 1.00 | 1.611 | 1.61 | 65.8 | 0.0 | 34.2 |
| 128.0 |                 | 1.00 | 1.06 | 23.276 | 25.60 | 155.61 | 1.000 | 0.000 | 1.00 | 1.597 | 1.60 | 65.4 | 0.0 | 33.9 |
| 129.0 |                 | 1.00 | 1.06 | 23.327 | 25.66 | 154.46 | 1.000 | 0.000 | 1.00 | 1.584 | 1.58 | 65.0 | 0.0 | 33.6 |
| 130.0 | Appertunance(s) | 1.00 | 1.06 | 23.379 | 25.71 | 153.31 | 1.000 | 0.000 | 1.00 | 1.570 | 1.57 | 64.6 | 0.0 | 33.3 |
| 131.0 |                 | 1.00 | 1.06 | 23.430 | 25.77 | 152.15 | 1.000 | 0.000 | 1.00 | 1.557 | 1.56 | 64.2 | 0.0 | 33.0 |
| 132.0 |                 | 1.00 | 1.07 | 23.481 | 25.82 | 151.00 | 1.000 | 0.000 | 1.00 | 1.543 | 1.54 | 63.8 | 0.0 | 32.7 |
| 133.0 |                 | 1.00 | 1.07 | 23.532 | 25.88 | 149.83 | 1.000 | 0.000 | 1.00 | 1.530 | 1.53 | 63.4 | 0.0 | 32.4 |
| 134.0 |                 | 1.00 | 1.07 | 23.582 | 25.94 | 148.67 | 1.000 | 0.000 | 1.00 | 1.517 | 1.52 | 62.9 | 0.0 | 32.2 |
| 135.0 |                 | 1.00 | 1.07 | 23.632 | 25.99 | 147.49 | 1.000 | 0.000 | 1.00 | 1.503 | 1.50 | 62.5 | 0.0 | 31.9 |
| 136.0 |                 | 1.00 | 1.07 | 23.682 | 26.05 | 146.32 | 1.000 | 0.000 | 1.00 | 1.490 | 1.49 | 62.1 | 0.0 | 31.6 |
| 137.0 |                 | 1.00 | 1.08 | 23.732 | 26.10 | 145.14 | 1.000 | 0.000 | 1.00 | 1.476 | 1.48 | 61.7 | 0.0 | 31.3 |
| 138.0 |                 | 1.00 | 1.08 | 23.781 | 26.15 | 143.96 | 1.000 | 0.000 | 1.00 | 1.463 | 1.46 | 61.2 | 0.0 | 31.0 |
| 139.0 |                 | 1.00 | 1.08 | 23.830 | 26.21 | 142.77 | 1.000 | 0.000 | 1.00 | 1.449 | 1.45 | 60.8 | 0.0 | 30.7 |
| 140.0 | Appertunance(s) | 1.00 | 1.08 | 23.879 | 26.26 | 141.58 | 1.000 | 0.000 | 1.00 | 1.436 | 1.44 | 60.3 | 0.0 | 30.4 |
| 141.0 |                 | 1.00 | 1.09 | 23.928 | 26.32 | 140.39 | 1.000 | 0.000 | 1.00 | 1.422 | 1.42 | 59.9 | 0.0 | 30.1 |
| 142.0 |                 | 1.00 | 1.09 | 23.976 | 26.37 | 139.19 | 1.000 | 0.000 | 1.00 | 1.409 | 1.41 | 59.4 | 0.0 | 29.8 |
| 143.0 |                 | 1.00 | 1.09 | 24.024 | 26.42 | 137.99 | 1.000 | 0.000 | 1.00 | 1.395 | 1.40 | 59.0 | 0.0 | 29.6 |
| 144.0 |                 | 1.00 | 1.09 | 24.072 | 26.47 | 136.79 | 1.000 | 0.000 | 1.00 | 1.382 | 1.38 | 58.5 | 0.0 | 29.3 |
| 145.0 |                 | 1.00 | 1.09 | 24.120 | 26.53 | 135.58 | 1.000 | 0.000 | 1.00 | 1.368 | 1.37 | 58.1 | 0.0 | 29.0 |
| 146.0 |                 | 1.00 | 1.10 | 24.167 | 26.58 | 134.37 | 1.000 | 0.000 | 1.00 | 1.355 | 1.35 | 57.6 | 0.0 | 28.7 |
| 147.0 |                 | 1.00 | 1.10 | 24.214 | 26.63 | 133.16 | 1.000 | 0.000 | 1.00 | 1.341 | 1.34 | 57.2 | 0.0 | 28.4 |
| 148.0 |                 | 1.00 | 1.10 | 24.261 | 26.68 | 131.94 | 1.000 | 0.000 | 1.00 | 1.328 | 1.33 | 56.7 | 0.0 | 28.1 |
| 149.0 |                 | 1.00 | 1.10 | 24.308 | 26.73 | 130.72 | 1.000 | 0.000 | 1.00 | 1.314 | 1.31 | 56.2 | 0.0 | 27.8 |
| 150.0 | Appertunance(s) | 1.00 | 1.11 | 24.355 | 26.79 | 129.50 | 1.000 | 0.000 | 1.00 | 1.301 | 1.30 | 55.8 | 0.0 | 27.5 |

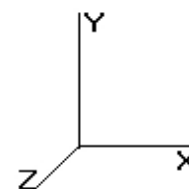
\* = Cf Adjusted By Linear Load Ra Effect

Totals: 150.00 15,548.3 0.0 26,300.8

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

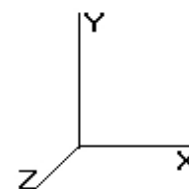
### Discrete Appurtenance Segment Forces (Factored)

| Elev<br>(ft) | Description          | Qty | qz<br>(psf) | qzGh<br>(psf) | Orientation<br>Factor | Ka   | Total<br>EPAa<br>(sf) | Horiz<br>Ecc<br>(ft) | Vert<br>Ecc<br>(ft) | Wind<br>FX<br>(lb) | Mom<br>Y<br>(lb-ft) | Mom<br>Z<br>(lb-ft) | Dead<br>Load<br>(lb) |
|--------------|----------------------|-----|-------------|---------------|-----------------------|------|-----------------------|----------------------|---------------------|--------------------|---------------------|---------------------|----------------------|
| 75.00        | PCTEL GPS-TMG-HR-    | 1   | 19.979      | 21.977        | 1.00                  | 1.00 | 0.09                  | 0.000                | 0.000               | 3.16               | 0.00                | 0.00                | 0.54                 |
| 110.0        | 48" x 12" Panels     | 9   | 22.289      | 24.518        | 0.67                  | 0.80 | 24.46                 | 0.000                | 0.000               | 959.45             | 0.00                | 0.00                | 243.00               |
| 110.0        | 72" x 12" Panels     | 3   | 22.289      | 24.518        | 0.67                  | 0.80 | 13.07                 | 0.000                | 0.000               | 512.84             | 0.00                | 0.00                | 121.50               |
| 110.0        | Round T-Arms         | 3   | 22.289      | 24.518        | 0.67                  | 0.75 | 14.62                 | 0.000                | 0.000               | 573.63             | 0.00                | 0.00                | 675.00               |
| 130.0        | Antel BXA-70063/6CF  | 3   | 23.481      | 25.829        | 0.77                  | 0.80 | 14.01                 | 0.000                | 2.000               | 578.90             | 0.00                | 1,157.80            | 40.23                |
| 130.0        | Antel LPA-80080/6CF  | 4   | 23.481      | 25.829        | 0.75                  | 0.80 | 20.71                 | 0.000                | 2.000               | 855.96             | 0.00                | 1,711.92            | 75.60                |
| 130.0        | Antel BXA-171085-8BF | 2   | 23.481      | 25.829        | 0.87                  | 0.80 | 4.09                  | 0.000                | 2.000               | 169.13             | 0.00                | 338.26              | 18.90                |
| 130.0        | Antel BXA-171063-8BF | 1   | 23.481      | 25.829        | 0.87                  | 0.80 | 2.05                  | 0.000                | 2.000               | 84.56              | 0.00                | 169.13              | 9.45                 |
| 130.0        | Round Low Profile PI | 1   | 23.379      | 25.717        | 1.00                  | 1.00 | 21.70                 | 0.000                | 0.000               | 892.88             | 0.00                | 0.00                | 1,350.00             |
| 130.0        | RFS FD9R6004/2C-3L   | 6   | 23.481      | 25.829        | 0.50                  | 0.80 | 0.89                  | 0.000                | 2.000               | 36.70              | 0.00                | 73.40               | 14.04                |
| 130.0        | Antel LPA-80063/6CF  | 2   | 23.481      | 25.829        | 0.95                  | 0.80 | 14.58                 | 0.000                | 2.000               | 602.41             | 0.00                | 1,204.82            | 48.60                |
| 140.0        | Round Low Profile PI | 1   | 23.879      | 26.267        | 1.00                  | 1.00 | 18.00                 | 0.000                | 0.000               | 756.49             | 0.00                | 0.00                | 1,080.00             |
| 140.0        | Alcatel-Lucent 800 M | 3   | 23.879      | 26.267        | 0.67                  | 0.80 | 3.31                  | 0.000                | 0.000               | 139.22             | 0.00                | 0.00                | 172.80               |
| 140.0        | RFS APXVSP18-C-      | 3   | 23.879      | 26.267        | 0.83                  | 0.80 | 15.98                 | 0.000                | 0.000               | 671.42             | 0.00                | 0.00                | 153.90               |
| 140.0        | Alcatel-Lucent 1900  | 3   | 23.879      | 26.267        | 0.67                  | 0.80 | 3.73                  | 0.000                | 0.000               | 156.79             | 0.00                | 0.00                | 162.00               |
| 140.0        | Alcatel-Lucent TD-RR | 3   | 23.879      | 26.267        | 0.67                  | 0.80 | 6.51                  | 0.000                | 0.000               | 273.70             | 0.00                | 0.00                | 189.00               |
| 140.0        | RFS APXV9TM14-ALU-   | 3   | 23.879      | 26.267        | 0.78                  | 0.80 | 11.87                 | 0.000                | 0.000               | 498.80             | 0.00                | 0.00                | 148.77               |
| 150.0        | Powerwave 7770.00A   | 6   | 24.538      | 26.992        | 0.76                  | 0.80 | 20.28                 | 0.000                | 4.000               | 875.97             | 0.00                | 3,503.88            | 145.80               |
| 150.0        | Andrew ABT-DMDM-     | 6   | 24.538      | 26.992        | 0.50                  | 0.80 | 0.12                  | 0.000                | 4.000               | 5.18               | 0.00                | 20.73               | 5.94                 |
| 150.0        | Round Low Profile PI | 1   | 24.355      | 26.790        | 1.00                  | 1.00 | 21.70                 | 0.000                | 0.000               | 930.15             | 0.00                | 0.00                | 1,350.00             |
| 150.0        | KMW AM-X-CD-16-65-   | 3   | 24.538      | 26.992        | 0.79                  | 0.80 | 15.21                 | 0.000                | 4.000               | 656.71             | 0.00                | 2,626.83            | 130.95               |
| 150.0        | Ericsson RRUS 11 (Ba | 6   | 24.538      | 26.992        | 0.67                  | 0.80 | 8.27                  | 0.000                | 4.000               | 356.95             | 0.00                | 1,427.80            | 270.00               |
|              |                      |     |             |               |                       |      |                       |                      |                     | 10,591.02          |                     |                     | 6,406.02             |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

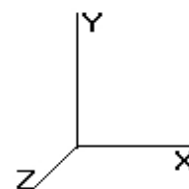
Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

## Linear Appurtenance Segment Forces (Factored)

| Seg Top<br>Elev<br>(ft) | Description     | Exposed<br>To Wind | Length<br>(ft) | Ca    | Exposed<br>Width<br>(in) | Area<br>(sqft) | CaAa<br>(sqft) | qz<br>(psf) | Ra    | Cf<br>Adjust<br>Factor | FX<br>(lb) | Dead<br>Load<br>(lb) |
|-------------------------|-----------------|--------------------|----------------|-------|--------------------------|----------------|----------------|-------------|-------|------------------------|------------|----------------------|
| 6.00                    | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.244 | 0.000                  | 17.36      | 0.00                 |
| 7.00                    | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.247 | 0.000                  | 17.36      | 0.00                 |
| 8.00                    | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.250 | 0.000                  | 17.36      | 0.00                 |
| 9.00                    | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.253 | 0.000                  | 17.36      | 0.00                 |
| 10.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.256 | 0.000                  | 17.36      | 0.00                 |
| 11.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.259 | 0.000                  | 17.36      | 0.00                 |
| 12.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.262 | 0.000                  | 17.36      | 0.00                 |
| 13.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.265 | 0.000                  | 17.36      | 0.00                 |
| 14.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.268 | 0.000                  | 17.36      | 0.00                 |
| 15.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.272 | 0.000                  | 17.36      | 0.00                 |
| 16.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.272 | 0.000                  | 17.36      | 0.00                 |
| 17.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.273 | 0.000                  | 17.36      | 0.00                 |
| 18.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.274 | 0.000                  | 17.36      | 0.00                 |
| 19.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.275 | 0.000                  | 17.36      | 0.00                 |
| 20.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.276 | 0.000                  | 17.36      | 0.00                 |
| 21.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.277 | 0.000                  | 17.36      | 0.00                 |
| 22.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.278 | 0.000                  | 17.36      | 0.00                 |
| 23.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.279 | 0.000                  | 17.36      | 0.00                 |
| 24.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.280 | 0.000                  | 17.36      | 0.00                 |
| 25.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.282 | 0.000                  | 17.36      | 0.00                 |
| 26.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.283 | 0.000                  | 17.36      | 0.00                 |
| 27.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.284 | 0.000                  | 17.36      | 0.00                 |
| 28.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.285 | 0.000                  | 17.36      | 0.00                 |
| 29.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.364      | 0.286 | 0.000                  | 17.36      | 0.00                 |
| 30.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.377      | 0.287 | 0.000                  | 17.37      | 0.00                 |
| 31.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.522      | 0.288 | 0.000                  | 17.54      | 0.00                 |
| 32.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.663      | 0.289 | 0.000                  | 17.70      | 0.00                 |
| 33.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.802      | 0.290 | 0.000                  | 17.85      | 0.00                 |
| 34.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 15.937      | 0.291 | 0.000                  | 18.01      | 0.00                 |
| 35.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.070      | 0.292 | 0.000                  | 18.16      | 0.00                 |
| 36.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.199      | 0.293 | 0.000                  | 18.30      | 0.00                 |
| 37.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.327      | 0.295 | 0.000                  | 18.45      | 0.00                 |
| 38.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.452      | 0.296 | 0.000                  | 18.59      | 0.00                 |
| 39.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.574      | 0.297 | 0.000                  | 18.73      | 0.00                 |
| 40.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.694      | 0.298 | 0.000                  | 18.86      | 0.00                 |
| 41.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.813      | 0.299 | 0.000                  | 19.00      | 0.00                 |
| 42.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 16.929      | 0.300 | 0.000                  | 19.13      | 0.00                 |
| 43.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.043      | 0.302 | 0.000                  | 19.26      | 0.00                 |
| 44.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.155      | 0.303 | 0.000                  | 19.38      | 0.00                 |
| 45.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.266      | 0.304 | 0.000                  | 19.51      | 0.00                 |
| 46.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.375      | 0.305 | 0.000                  | 19.63      | 0.00                 |
| 47.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.482      | 0.306 | 0.000                  | 19.75      | 0.00                 |
| 48.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.587      | 0.308 | 0.000                  | 19.87      | 0.00                 |
| 49.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.691      | 0.309 | 0.000                  | 19.99      | 0.00                 |
| 50.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.793      | 0.310 | 0.000                  | 20.11      | 0.00                 |
| 51.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.894      | 0.311 | 0.000                  | 20.22      | 0.00                 |
| 52.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 17.994      | 0.313 | 0.000                  | 20.33      | 0.00                 |
| 53.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 18.092      | 0.314 | 0.000                  | 20.44      | 0.00                 |
| 54.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 18.189      | 0.315 | 0.000                  | 20.55      | 0.00                 |
| 55.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 18.285      | 0.317 | 0.000                  | 20.66      | 0.00                 |
| 56.00                   | (2) Seam Flange | Yes                | 1.00           | 0.600 | 12.84                    | 1.07           | 0.64           | 18.379      | 0.315 | 0.000                  | 20.77      | 0.00                 |



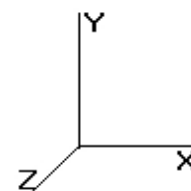
**Totals: 2,010.89 946.88**



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

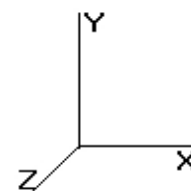
### Applied Segment Forces Summary

| Seg<br>Elev<br>(ft) | Lateral<br>FX (-)<br>(lb) | Axial<br>FY (-)<br>(lb) | Torsion<br>MY<br>(lb-ft) | Moment<br>MZ<br>(lb-ft) |
|---------------------|---------------------------|-------------------------|--------------------------|-------------------------|
| 0.00                | 0.00                      | 0.00                    | 0.00                     | 0.00                    |
| 1.00                | 125.08                    | 391.00                  | 0.00                     | 0.00                    |
| 2.00                | 123.76                    | 386.80                  | 0.00                     | 0.00                    |
| 3.00                | 122.44                    | 382.61                  | 0.00                     | 0.00                    |
| 4.00                | 121.11                    | 378.41                  | 0.00                     | 0.00                    |
| 5.00                | 119.79                    | 374.22                  | 0.00                     | 0.00                    |
| 6.00                | 159.52                    | 406.22                  | 0.00                     | 0.00                    |
| 7.00                | 157.93                    | 402.03                  | 0.00                     | 0.00                    |
| 8.00                | 156.35                    | 397.84                  | 0.00                     | 0.00                    |
| 9.00                | 154.76                    | 393.64                  | 0.00                     | 0.00                    |
| 10.00               | 153.17                    | 389.45                  | 0.00                     | 0.00                    |
| 11.00               | 151.58                    | 385.25                  | 0.00                     | 0.00                    |
| 12.00               | 150.00                    | 381.06                  | 0.00                     | 0.00                    |
| 13.00               | 148.41                    | 376.87                  | 0.00                     | 0.00                    |
| 14.00               | 146.82                    | 372.67                  | 0.00                     | 0.00                    |
| 15.00               | 145.24                    | 368.48                  | 0.00                     | 0.00                    |
| 16.00               | 144.79                    | 340.13                  | 0.00                     | 0.00                    |
| 17.00               | 144.33                    | 339.03                  | 0.00                     | 0.00                    |
| 18.00               | 143.88                    | 337.93                  | 0.00                     | 0.00                    |
| 19.00               | 143.42                    | 336.83                  | 0.00                     | 0.00                    |
| 20.00               | 142.97                    | 335.73                  | 0.00                     | 0.00                    |
| 21.00               | 142.51                    | 334.62                  | 0.00                     | 0.00                    |
| 22.00               | 142.06                    | 333.52                  | 0.00                     | 0.00                    |
| 23.00               | 141.60                    | 332.42                  | 0.00                     | 0.00                    |
| 24.00               | 141.15                    | 331.32                  | 0.00                     | 0.00                    |
| 25.00               | 140.69                    | 330.22                  | 0.00                     | 0.00                    |
| 26.00               | 140.24                    | 329.11                  | 0.00                     | 0.00                    |
| 27.00               | 139.78                    | 328.01                  | 0.00                     | 0.00                    |
| 28.00               | 139.33                    | 326.91                  | 0.00                     | 0.00                    |
| 29.00               | 138.87                    | 325.81                  | 0.00                     | 0.00                    |
| 30.00               | 138.54                    | 324.71                  | 0.00                     | 0.00                    |
| 31.00               | 139.38                    | 323.61                  | 0.00                     | 0.00                    |
| 32.00               | 140.19                    | 322.50                  | 0.00                     | 0.00                    |
| 33.00               | 140.96                    | 321.40                  | 0.00                     | 0.00                    |
| 34.00               | 141.69                    | 320.30                  | 0.00                     | 0.00                    |
| 35.00               | 142.40                    | 319.20                  | 0.00                     | 0.00                    |
| 36.00               | 143.07                    | 318.10                  | 0.00                     | 0.00                    |
| 37.00               | 143.71                    | 317.00                  | 0.00                     | 0.00                    |
| 38.00               | 144.32                    | 315.89                  | 0.00                     | 0.00                    |
| 39.00               | 144.90                    | 314.79                  | 0.00                     | 0.00                    |
| 40.00               | 145.46                    | 313.69                  | 0.00                     | 0.00                    |
| 41.00               | 145.99                    | 312.59                  | 0.00                     | 0.00                    |
| 42.00               | 146.50                    | 311.49                  | 0.00                     | 0.00                    |
| 43.00               | 146.98                    | 310.39                  | 0.00                     | 0.00                    |
| 44.00               | 147.45                    | 309.28                  | 0.00                     | 0.00                    |
| 45.00               | 147.88                    | 308.18                  | 0.00                     | 0.00                    |
| 46.00               | 148.30                    | 307.08                  | 0.00                     | 0.00                    |
| 47.00               | 148.70                    | 305.98                  | 0.00                     | 0.00                    |
| 48.00               | 149.07                    | 304.88                  | 0.00                     | 0.00                    |
| 49.00               | 149.43                    | 303.78                  | 0.00                     | 0.00                    |

Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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Page: 25

**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

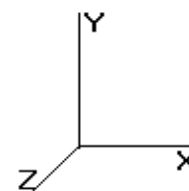
Wind Load Factor : 1.60

|       |        |        |      |      |
|-------|--------|--------|------|------|
| 50.00 | 149.77 | 302.67 | 0.00 | 0.00 |
| 51.00 | 150.09 | 301.57 | 0.00 | 0.00 |
| 52.00 | 150.39 | 300.47 | 0.00 | 0.00 |
| 53.00 | 150.68 | 299.37 | 0.00 | 0.00 |
| 54.00 | 150.94 | 298.27 | 0.00 | 0.00 |
| 55.00 | 151.20 | 297.17 | 0.00 | 0.00 |
| 56.00 | 152.44 | 274.67 | 0.00 | 0.00 |
| 57.00 | 152.66 | 273.66 | 0.00 | 0.00 |
| 58.00 | 152.87 | 272.66 | 0.00 | 0.00 |
| 59.00 | 153.06 | 271.65 | 0.00 | 0.00 |
| 60.00 | 153.24 | 270.64 | 0.00 | 0.00 |
| 61.00 | 153.40 | 269.64 | 0.00 | 0.00 |
| 62.00 | 153.56 | 268.63 | 0.00 | 0.00 |
| 63.00 | 153.69 | 267.62 | 0.00 | 0.00 |
| 64.00 | 153.82 | 266.62 | 0.00 | 0.00 |
| 65.00 | 153.93 | 265.61 | 0.00 | 0.00 |
| 66.00 | 154.03 | 264.60 | 0.00 | 0.00 |
| 67.00 | 154.12 | 263.60 | 0.00 | 0.00 |
| 68.00 | 154.19 | 262.59 | 0.00 | 0.00 |
| 69.00 | 154.26 | 261.58 | 0.00 | 0.00 |
| 70.00 | 154.31 | 260.58 | 0.00 | 0.00 |
| 71.00 | 154.35 | 259.57 | 0.00 | 0.00 |
| 72.00 | 154.38 | 258.56 | 0.00 | 0.00 |
| 73.00 | 154.40 | 257.56 | 0.00 | 0.00 |
| 74.00 | 154.41 | 256.55 | 0.00 | 0.00 |
| 75.00 | 157.57 | 256.08 | 0.00 | 0.00 |
| 76.00 | 154.40 | 211.35 | 0.00 | 0.00 |
| 77.00 | 154.38 | 210.54 | 0.00 | 0.00 |
| 78.00 | 154.34 | 209.74 | 0.00 | 0.00 |
| 79.00 | 154.30 | 208.93 | 0.00 | 0.00 |
| 80.00 | 184.10 | 253.22 | 0.00 | 0.00 |
| 81.00 | 184.15 | 252.41 | 0.00 | 0.00 |
| 82.00 | 184.18 | 251.61 | 0.00 | 0.00 |
| 83.00 | 184.21 | 250.80 | 0.00 | 0.00 |
| 84.00 | 184.23 | 250.00 | 0.00 | 0.00 |
| 84.67 | 123.37 | 167.05 | 0.00 | 0.00 |
| 85.00 | 60.73  | 98.68  | 0.00 | 0.00 |
| 86.00 | 79.34  | 192.64 | 0.00 | 0.00 |
| 87.00 | 79.10  | 192.24 | 0.00 | 0.00 |
| 88.00 | 78.85  | 191.85 | 0.00 | 0.00 |
| 89.00 | 78.60  | 191.46 | 0.00 | 0.00 |
| 90.00 | 78.34  | 191.07 | 0.00 | 0.00 |
| 91.00 | 78.08  | 190.67 | 0.00 | 0.00 |
| 92.00 | 77.81  | 190.28 | 0.00 | 0.00 |
| 93.00 | 124.21 | 189.89 | 0.00 | 0.00 |
| 94.00 | 123.97 | 189.50 | 0.00 | 0.00 |
| 95.00 | 123.72 | 189.10 | 0.00 | 0.00 |
| 95.44 | 54.31  | 83.08  | 0.00 | 0.00 |
| 96.00 | 69.07  | 77.57  | 0.00 | 0.00 |
| 97.00 | 123.21 | 138.22 | 0.00 | 0.00 |
| 98.00 | 122.95 | 137.83 | 0.00 | 0.00 |
| 99.00 | 122.68 | 137.43 | 0.00 | 0.00 |
| 100.0 | 122.40 | 137.04 | 0.00 | 0.00 |
| 101.0 | 75.18  | 91.56  | 0.00 | 0.00 |
| 102.0 | 74.87  | 91.17  | 0.00 | 0.00 |
| 103.0 | 74.55  | 90.77  | 0.00 | 0.00 |
| 104.0 | 74.22  | 90.38  | 0.00 | 0.00 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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Page: 26

**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

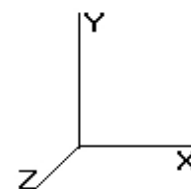
Wind Load Factor : 1.60

|         |           |           |      |           |
|---------|-----------|-----------|------|-----------|
| 105.0   | 73.89     | 89.99     | 0.00 | 0.00      |
| 106.0   | 73.56     | 89.60     | 0.00 | 0.00      |
| 107.0   | 73.22     | 89.20     | 0.00 | 0.00      |
| 108.0   | 72.88     | 88.81     | 0.00 | 0.00      |
| 109.0   | 72.54     | 88.42     | 0.00 | 0.00      |
| 110.0   | 2,118.12  | 1,127.53  | 0.00 | 0.00      |
| 111.0   | 71.84     | 66.00     | 0.00 | 0.00      |
| 112.0   | 71.49     | 65.72     | 0.00 | 0.00      |
| 113.0   | 71.14     | 65.43     | 0.00 | 0.00      |
| 114.0   | 70.79     | 65.14     | 0.00 | 0.00      |
| 115.0   | 70.43     | 64.85     | 0.00 | 0.00      |
| 116.0   | 70.07     | 64.56     | 0.00 | 0.00      |
| 117.0   | 69.70     | 64.27     | 0.00 | 0.00      |
| 118.0   | 69.33     | 63.98     | 0.00 | 0.00      |
| 119.0   | 68.96     | 63.69     | 0.00 | 0.00      |
| 120.0   | 68.58     | 63.40     | 0.00 | 0.00      |
| 121.0   | 68.20     | 63.12     | 0.00 | 0.00      |
| 122.0   | 67.81     | 62.83     | 0.00 | 0.00      |
| 123.0   | 67.43     | 62.54     | 0.00 | 0.00      |
| 124.0   | 67.04     | 62.25     | 0.00 | 0.00      |
| 125.0   | 66.64     | 61.96     | 0.00 | 0.00      |
| 126.0   | 66.24     | 61.67     | 0.00 | 0.00      |
| 127.0   | 65.84     | 61.38     | 0.00 | 0.00      |
| 128.0   | 65.44     | 61.09     | 0.00 | 0.00      |
| 129.0   | 65.03     | 60.80     | 0.00 | 0.00      |
| 130.0   | 3,285.17  | 1,617.34  | 0.00 | 4,655.33  |
| 131.0   | 64.20     | 51.37     | 0.00 | 0.00      |
| 132.0   | 63.79     | 51.08     | 0.00 | 0.00      |
| 133.0   | 63.37     | 50.79     | 0.00 | 0.00      |
| 134.0   | 62.94     | 50.50     | 0.00 | 0.00      |
| 135.0   | 62.52     | 50.22     | 0.00 | 0.00      |
| 136.0   | 62.09     | 49.93     | 0.00 | 0.00      |
| 137.0   | 61.65     | 49.64     | 0.00 | 0.00      |
| 138.0   | 61.22     | 49.35     | 0.00 | 0.00      |
| 139.0   | 60.78     | 49.06     | 0.00 | 0.00      |
| 140.0   | 2,556.76  | 1,955.24  | 0.00 | 0.00      |
| 141.0   | 59.89     | 44.88     | 0.00 | 0.00      |
| 142.0   | 59.44     | 44.59     | 0.00 | 0.00      |
| 143.0   | 58.99     | 44.30     | 0.00 | 0.00      |
| 144.0   | 58.54     | 44.02     | 0.00 | 0.00      |
| 145.0   | 58.08     | 43.73     | 0.00 | 0.00      |
| 146.0   | 57.62     | 43.44     | 0.00 | 0.00      |
| 147.0   | 57.16     | 43.15     | 0.00 | 0.00      |
| 148.0   | 56.70     | 42.86     | 0.00 | 0.00      |
| 149.0   | 56.23     | 42.57     | 0.00 | 0.00      |
| 150.0   | 2,880.72  | 1,944.97  | 0.00 | 7,579.24  |
| Totals: | 28,150.18 | 38,324.57 | 0.00 | 12,234.57 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

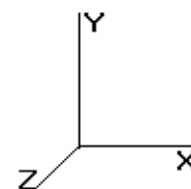
## Calculated Forces

| Seg<br>Elev<br>(ft) | Pu<br>FY (-)<br>(kips) | Vu<br>FX (-)<br>(kips) | Tu<br>MY<br>(ft-kips) | Mu<br>MZ<br>(ft-kips) | Mu<br>MX<br>(ft-kips) | Resultant<br>Moment<br>(ft-kips) | phi<br>Pn<br>(kips) | phi<br>Vn<br>(kips) | phi<br>Tn<br>(ft-kips) | phi<br>Mn<br>(ft-kips) | Total<br>Deflect<br>(in) | Rotation<br>(deg) | Ratio |
|---------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|---------------------|---------------------|------------------------|------------------------|--------------------------|-------------------|-------|
| 0.00                | -38.32                 | -28.15                 | 0.00                  | -2,604.61             | 0.00                  | 2,604.61                         | 5,589.22            | 2,794.61            | 12,188.1               | 6,019.28               | 0.00                     | 0.00              | 0.440 |
| 1.00                | -37.92                 | -28.04                 | 0.00                  | -2,576.46             | 0.00                  | 2,576.46                         | 5,529.59            | 2,764.80            | 11,927.7               | 5,890.65               | 0.00                     | -0.02             | 0.444 |
| 2.00                | -37.53                 | -27.93                 | 0.00                  | -2,548.42             | 0.00                  | 2,548.42                         | 5,469.96            | 2,734.98            | 11,670.0               | 5,763.42               | 0.01                     | -0.03             | 0.449 |
| 3.00                | -37.14                 | -27.81                 | 0.00                  | -2,520.50             | 0.00                  | 2,520.50                         | 5,410.34            | 2,705.17            | 11,415.2               | 5,637.57               | 0.02                     | -0.05             | 0.454 |
| 4.00                | -36.75                 | -27.70                 | 0.00                  | -2,492.68             | 0.00                  | 2,492.68                         | 5,350.71            | 2,675.36            | 11,163.2               | 5,513.11               | 0.03                     | -0.07             | 0.459 |
| 5.00                | -36.37                 | -27.59                 | 0.00                  | -2,464.98             | 0.00                  | 2,464.98                         | 5,291.09            | 2,645.54            | 10,914.0               | 5,390.04               | 0.04                     | -0.08             | 0.464 |
| 6.00                | -35.95                 | -27.45                 | 0.00                  | -2,437.39             | 0.00                  | 2,437.39                         | 5,231.46            | 2,615.73            | 10,667.6               | 5,268.37               | 0.06                     | -0.10             | 0.470 |
| 7.00                | -35.54                 | -27.30                 | 0.00                  | -2,409.94             | 0.00                  | 2,409.94                         | 5,171.84            | 2,585.92            | 10,424.1               | 5,148.08               | 0.09                     | -0.12             | 0.475 |
| 8.00                | -35.14                 | -27.15                 | 0.00                  | -2,382.65             | 0.00                  | 2,382.65                         | 5,112.21            | 2,556.11            | 10,183.3               | 5,029.18               | 0.11                     | -0.14             | 0.481 |
| 9.00                | -34.73                 | -27.01                 | 0.00                  | -2,355.49             | 0.00                  | 2,355.49                         | 5,052.58            | 2,526.29            | 9,945.41               | 4,911.66               | 0.14                     | -0.16             | 0.487 |
| 10.00               | -34.33                 | -26.87                 | 0.00                  | -2,328.49             | 0.00                  | 2,328.49                         | 4,992.96            | 2,496.48            | 9,710.28               | 4,795.54               | 0.18                     | -0.18             | 0.493 |
| 11.00               | -33.94                 | -26.72                 | 0.00                  | -2,301.62             | 0.00                  | 2,301.62                         | 4,933.33            | 2,466.67            | 9,477.97               | 4,680.81               | 0.22                     | -0.20             | 0.499 |
| 12.00               | -33.55                 | -26.59                 | 0.00                  | -2,274.90             | 0.00                  | 2,274.90                         | 4,873.71            | 2,436.85            | 9,248.46               | 4,567.47               | 0.26                     | -0.22             | 0.505 |
| 13.00               | -33.16                 | -26.45                 | 0.00                  | -2,248.31             | 0.00                  | 2,248.31                         | 4,814.08            | 2,407.04            | 9,021.78               | 4,455.52               | 0.31                     | -0.24             | 0.512 |
| 14.00               | -32.78                 | -26.31                 | 0.00                  | -2,221.86             | 0.00                  | 2,221.86                         | 4,754.46            | 2,377.23            | 8,797.90               | 4,344.95               | 0.36                     | -0.26             | 0.518 |
| 15.00               | -32.40                 | -26.18                 | 0.00                  | -2,195.55             | 0.00                  | 2,195.55                         | 4,694.83            | 2,347.42            | 8,576.84               | 4,235.78               | 0.42                     | -0.28             | 0.525 |
| 15.00               | -32.40                 | -26.18                 | 0.00                  | -2,195.55             | 0.00                  | 2,195.55                         | 4,521.17            | 2,260.59            | 8,321.30               | 4,109.58               | 0.42                     | -0.28             | 0.542 |
| 16.00               | -32.05                 | -26.04                 | 0.00                  | -2,169.38             | 0.00                  | 2,169.38                         | 4,504.82            | 2,252.41            | 8,260.75               | 4,079.67               | 0.48                     | -0.30             | 0.539 |
| 17.00               | -31.70                 | -25.91                 | 0.00                  | -2,143.33             | 0.00                  | 2,143.33                         | 4,488.46            | 2,244.23            | 8,200.41               | 4,049.87               | 0.55                     | -0.33             | 0.536 |
| 18.00               | -31.36                 | -25.78                 | 0.00                  | -2,117.42             | 0.00                  | 2,117.42                         | 4,472.10            | 2,236.05            | 8,140.29               | 4,020.18               | 0.62                     | -0.35             | 0.534 |
| 19.00               | -31.01                 | -25.65                 | 0.00                  | -2,091.64             | 0.00                  | 2,091.64                         | 4,455.74            | 2,227.87            | 8,080.40               | 3,990.60               | 0.69                     | -0.38             | 0.531 |
| 20.00               | -30.66                 | -25.51                 | 0.00                  | -2,066.00             | 0.00                  | 2,066.00                         | 4,439.38            | 2,219.69            | 8,020.72               | 3,961.13               | 0.78                     | -0.40             | 0.529 |
| 21.00               | -30.32                 | -25.38                 | 0.00                  | -2,040.48             | 0.00                  | 2,040.48                         | 4,423.02            | 2,211.51            | 7,961.27               | 3,931.77               | 0.86                     | -0.42             | 0.526 |
| 22.00               | -29.98                 | -25.25                 | 0.00                  | -2,015.10             | 0.00                  | 2,015.10                         | 4,406.67            | 2,203.33            | 7,902.04               | 3,902.52               | 0.95                     | -0.45             | 0.523 |
| 23.00               | -29.64                 | -25.12                 | 0.00                  | -1,989.85             | 0.00                  | 1,989.85                         | 4,390.31            | 2,195.15            | 7,843.03               | 3,873.38               | 1.05                     | -0.47             | 0.521 |
| 24.00               | -29.30                 | -24.99                 | 0.00                  | -1,964.74             | 0.00                  | 1,964.74                         | 4,373.95            | 2,186.97            | 7,784.24               | 3,844.34               | 1.15                     | -0.50             | 0.518 |
| 25.00               | -28.96                 | -24.85                 | 0.00                  | -1,939.75             | 0.00                  | 1,939.75                         | 4,357.59            | 2,178.80            | 7,725.67               | 3,815.42               | 1.26                     | -0.52             | 0.515 |
| 26.00               | -28.62                 | -24.72                 | 0.00                  | -1,914.90             | 0.00                  | 1,914.90                         | 4,341.23            | 2,170.62            | 7,667.32               | 3,786.60               | 1.37                     | -0.54             | 0.512 |
| 27.00               | -28.28                 | -24.59                 | 0.00                  | -1,890.17             | 0.00                  | 1,890.17                         | 4,324.87            | 2,162.44            | 7,609.20               | 3,757.90               | 1.49                     | -0.57             | 0.510 |
| 28.00               | -27.95                 | -24.46                 | 0.00                  | -1,865.58             | 0.00                  | 1,865.58                         | 4,308.52            | 2,154.26            | 7,551.29               | 3,729.30               | 1.61                     | -0.59             | 0.507 |
| 29.00               | -27.61                 | -24.33                 | 0.00                  | -1,841.12             | 0.00                  | 1,841.12                         | 4,292.16            | 2,146.08            | 7,493.61               | 3,700.81               | 1.74                     | -0.62             | 0.504 |
| 30.00               | -27.28                 | -24.20                 | 0.00                  | -1,816.79             | 0.00                  | 1,816.79                         | 4,275.80            | 2,137.90            | 7,436.15               | 3,672.43               | 1.87                     | -0.64             | 0.501 |
| 31.00               | -26.95                 | -24.07                 | 0.00                  | -1,792.59             | 0.00                  | 1,792.59                         | 4,259.44            | 2,129.72            | 7,378.91               | 3,644.16               | 2.01                     | -0.66             | 0.498 |
| 32.00               | -26.61                 | -23.93                 | 0.00                  | -1,768.52             | 0.00                  | 1,768.52                         | 4,243.08            | 2,121.54            | 7,321.89               | 3,616.00               | 2.15                     | -0.69             | 0.495 |
| 33.00               | -26.29                 | -23.80                 | 0.00                  | -1,744.59             | 0.00                  | 1,744.59                         | 4,226.72            | 2,113.36            | 7,265.09               | 3,587.95               | 2.29                     | -0.71             | 0.493 |
| 34.00               | -25.96                 | -23.67                 | 0.00                  | -1,720.79             | 0.00                  | 1,720.79                         | 4,210.37            | 2,105.18            | 7,208.51               | 3,560.01               | 2.45                     | -0.73             | 0.490 |
| 35.00               | -25.63                 | -23.53                 | 0.00                  | -1,697.12             | 0.00                  | 1,697.12                         | 4,194.01            | 2,097.00            | 7,152.15               | 3,532.18               | 2.60                     | -0.76             | 0.487 |
| 36.00               | -25.30                 | -23.39                 | 0.00                  | -1,673.60             | 0.00                  | 1,673.60                         | 4,177.65            | 2,088.82            | 7,096.02               | 3,504.46               | 2.76                     | -0.78             | 0.484 |
| 37.00               | -24.98                 | -23.25                 | 0.00                  | -1,650.20             | 0.00                  | 1,650.20                         | 4,161.29            | 2,080.65            | 7,040.10               | 3,476.84               | 2.93                     | -0.80             | 0.481 |
| 38.00               | -24.66                 | -23.12                 | 0.00                  | -1,626.95             | 0.00                  | 1,626.95                         | 4,144.93            | 2,072.47            | 6,984.41               | 3,449.34               | 3.10                     | -0.83             | 0.478 |
| 39.00               | -24.34                 | -22.98                 | 0.00                  | -1,603.83             | 0.00                  | 1,603.83                         | 4,128.57            | 2,064.29            | 6,928.94               | 3,421.94               | 3.28                     | -0.85             | 0.475 |
| 40.00               | -24.01                 | -22.84                 | 0.00                  | -1,580.86             | 0.00                  | 1,580.86                         | 4,112.22            | 2,056.11            | 6,873.69               | 3,394.66               | 3.46                     | -0.87             | 0.472 |
| 41.00               | -23.69                 | -22.69                 | 0.00                  | -1,558.02             | 0.00                  | 1,558.02                         | 4,095.86            | 2,047.93            | 6,818.66               | 3,367.48               | 3.64                     | -0.90             | 0.469 |
| 42.00               | -23.38                 | -22.55                 | 0.00                  | -1,535.33             | 0.00                  | 1,535.33                         | 4,079.50            | 2,039.75            | 6,763.85               | 3,340.41               | 3.83                     | -0.92             | 0.465 |
| 43.00               | -23.06                 | -22.41                 | 0.00                  | -1,512.78             | 0.00                  | 1,512.78                         | 4,063.14            | 2,031.57            | 6,709.27               | 3,313.46               | 4.03                     | -0.94             | 0.462 |
| 44.00               | -22.74                 | -22.27                 | 0.00                  | -1,490.37             | 0.00                  | 1,490.37                         | 4,046.78            | 2,023.39            | 6,654.90               | 3,286.61               | 4.23                     | -0.97             | 0.459 |
| 45.00               | -22.43                 | -22.12                 | 0.00                  | -1,468.10             | 0.00                  | 1,468.10                         | 4,030.42            | 2,015.21            | 6,600.76               | 3,259.87               | 4.44                     | -0.99             | 0.456 |
| 46.00               | -22.12                 | -21.98                 | 0.00                  | -1,445.98             | 0.00                  | 1,445.98                         | 4,014.07            | 2,007.03            | 6,546.84               | 3,233.24               | 4.65                     | -1.01             | 0.453 |
| 47.00               | -21.80                 | -21.83                 | 0.00                  | -1,424.00             | 0.00                  | 1,424.00                         | 3,997.71            | 1,998.85            | 6,493.13               | 3,206.71               | 4.86                     | -1.04             | 0.450 |
| 48.00               | -21.49                 | -21.69                 | 0.00                  | -1,402.17             | 0.00                  | 1,402.17                         | 3,981.35            | 1,990.67            | 6,439.65               | 3,180.30               | 5.08                     | -1.06             | 0.446 |
| 49.00               | -21.18                 | -21.54                 | 0.00                  | -1,380.49             | 0.00                  | 1,380.49                         | 3,964.99            | 1,982.50            | 6,386.39               | 3,154.00               | 5.30                     | -1.08             | 0.443 |

Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

Dead Load Factor : 0.90

Wind Load Factor : 1.60

Wind Importance Factor : 1.00

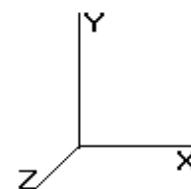
|        |        |        |      |           |      |          |          |          |          |          |       |       |       |
|--------|--------|--------|------|-----------|------|----------|----------|----------|----------|----------|-------|-------|-------|
| 50.00  | -20.88 | -21.39 | 0.00 | -1,358.95 | 0.00 | 1,358.95 | 3,948.63 | 1,974.32 | 6,333.36 | 3,127.81 | 5.53  | -1.10 | 0.440 |
| 51.00  | -20.57 | -21.24 | 0.00 | -1,337.56 | 0.00 | 1,337.56 | 3,932.27 | 1,966.14 | 6,280.54 | 3,101.72 | 5.77  | -1.13 | 0.437 |
| 52.00  | -20.26 | -21.10 | 0.00 | -1,316.31 | 0.00 | 1,316.31 | 3,915.92 | 1,957.96 | 6,227.94 | 3,075.75 | 6.01  | -1.15 | 0.433 |
| 53.00  | -19.96 | -20.95 | 0.00 | -1,295.22 | 0.00 | 1,295.22 | 3,899.56 | 1,949.78 | 6,175.57 | 3,049.88 | 6.25  | -1.17 | 0.430 |
| 54.00  | -19.66 | -20.80 | 0.00 | -1,274.27 | 0.00 | 1,274.27 | 3,883.20 | 1,941.60 | 6,123.42 | 3,024.13 | 6.50  | -1.19 | 0.427 |
| 55.00  | -19.35 | -20.65 | 0.00 | -1,253.48 | 0.00 | 1,253.48 | 3,866.84 | 1,933.42 | 6,071.48 | 2,998.48 | 6.75  | -1.22 | 0.423 |
| 55.00  | -19.35 | -20.65 | 0.00 | -1,253.48 | 0.00 | 1,253.48 | 3,220.97 | 1,610.49 | 5,114.03 | 2,525.63 | 6.75  | -1.22 | 0.502 |
| 56.00  | -19.07 | -20.50 | 0.00 | -1,232.83 | 0.00 | 1,232.83 | 3,207.40 | 1,603.70 | 5,070.70 | 2,504.23 | 7.01  | -1.24 | 0.498 |
| 57.00  | -18.80 | -20.35 | 0.00 | -1,212.33 | 0.00 | 1,212.33 | 3,193.84 | 1,596.92 | 5,027.55 | 2,482.92 | 7.27  | -1.26 | 0.494 |
| 58.00  | -18.52 | -20.19 | 0.00 | -1,191.99 | 0.00 | 1,191.99 | 3,180.27 | 1,590.13 | 4,984.58 | 2,461.70 | 7.53  | -1.28 | 0.490 |
| 59.00  | -18.24 | -20.04 | 0.00 | -1,171.79 | 0.00 | 1,171.79 | 3,166.70 | 1,583.35 | 4,941.80 | 2,440.57 | 7.81  | -1.31 | 0.486 |
| 60.00  | -17.97 | -19.89 | 0.00 | -1,151.75 | 0.00 | 1,151.75 | 3,153.13 | 1,576.57 | 4,899.21 | 2,419.54 | 8.08  | -1.33 | 0.482 |
| 61.00  | -17.69 | -19.74 | 0.00 | -1,131.86 | 0.00 | 1,131.86 | 3,139.57 | 1,569.78 | 4,856.80 | 2,398.59 | 8.36  | -1.35 | 0.478 |
| 62.00  | -17.42 | -19.58 | 0.00 | -1,112.12 | 0.00 | 1,112.12 | 3,126.00 | 1,563.00 | 4,814.57 | 2,377.74 | 8.65  | -1.38 | 0.473 |
| 63.00  | -17.15 | -19.43 | 0.00 | -1,092.54 | 0.00 | 1,092.54 | 3,112.43 | 1,556.21 | 4,772.53 | 2,356.97 | 8.94  | -1.40 | 0.469 |
| 64.00  | -16.88 | -19.28 | 0.00 | -1,073.11 | 0.00 | 1,073.11 | 3,098.86 | 1,549.43 | 4,730.67 | 2,336.30 | 9.24  | -1.42 | 0.465 |
| 65.00  | -16.61 | -19.12 | 0.00 | -1,053.83 | 0.00 | 1,053.83 | 3,085.29 | 1,542.65 | 4,689.00 | 2,315.72 | 9.54  | -1.45 | 0.461 |
| 66.00  | -16.34 | -18.97 | 0.00 | -1,034.71 | 0.00 | 1,034.71 | 3,071.73 | 1,535.86 | 4,647.51 | 2,295.23 | 9.84  | -1.47 | 0.456 |
| 67.00  | -16.07 | -18.81 | 0.00 | -1,015.74 | 0.00 | 1,015.74 | 3,058.16 | 1,529.08 | 4,606.20 | 2,274.83 | 10.15 | -1.49 | 0.452 |
| 68.00  | -15.81 | -18.66 | 0.00 | -996.92   | 0.00 | 996.92   | 3,044.59 | 1,522.30 | 4,565.08 | 2,254.52 | 10.47 | -1.51 | 0.448 |
| 69.00  | -15.54 | -18.50 | 0.00 | -978.26   | 0.00 | 978.26   | 3,031.02 | 1,515.51 | 4,524.15 | 2,234.31 | 10.79 | -1.54 | 0.443 |
| 70.00  | -15.28 | -18.35 | 0.00 | -959.76   | 0.00 | 959.76   | 3,017.46 | 1,508.73 | 4,483.40 | 2,214.18 | 11.11 | -1.56 | 0.439 |
| 71.00  | -15.02 | -18.19 | 0.00 | -941.41   | 0.00 | 941.41   | 3,003.89 | 1,501.94 | 4,442.83 | 2,194.15 | 11.44 | -1.58 | 0.434 |
| 72.00  | -14.76 | -18.04 | 0.00 | -923.22   | 0.00 | 923.22   | 2,990.32 | 1,495.16 | 4,402.45 | 2,174.20 | 11.77 | -1.60 | 0.430 |
| 73.00  | -14.50 | -17.88 | 0.00 | -905.18   | 0.00 | 905.18   | 2,976.75 | 1,488.38 | 4,362.25 | 2,154.35 | 12.11 | -1.62 | 0.425 |
| 74.00  | -14.24 | -17.73 | 0.00 | -887.30   | 0.00 | 887.30   | 2,963.19 | 1,481.59 | 4,322.24 | 2,134.59 | 12.45 | -1.64 | 0.421 |
| 75.00  | -13.98 | -17.57 | 0.00 | -869.57   | 0.00 | 869.57   | 2,949.62 | 1,474.81 | 4,282.41 | 2,114.92 | 12.80 | -1.67 | 0.416 |
| 75.00  | -13.98 | -17.57 | 0.00 | -869.57   | 0.00 | 869.57   | 2,628.21 | 1,314.11 | 3,842.67 | 1,897.75 | 12.80 | -1.67 | 0.464 |
| 76.00  | -13.77 | -17.41 | 0.00 | -852.01   | 0.00 | 852.01   | 2,616.17 | 1,308.08 | 3,807.28 | 1,880.27 | 13.15 | -1.69 | 0.459 |
| 77.00  | -13.55 | -17.26 | 0.00 | -834.59   | 0.00 | 834.59   | 2,604.12 | 1,302.06 | 3,772.05 | 1,862.87 | 13.51 | -1.71 | 0.453 |
| 78.00  | -13.34 | -17.10 | 0.00 | -817.34   | 0.00 | 817.34   | 2,592.07 | 1,296.04 | 3,736.99 | 1,845.56 | 13.87 | -1.74 | 0.448 |
| 79.00  | -13.13 | -16.95 | 0.00 | -800.24   | 0.00 | 800.24   | 2,580.03 | 1,290.01 | 3,702.09 | 1,828.32 | 14.24 | -1.76 | 0.443 |
| 80.00  | -12.87 | -16.76 | 0.00 | -783.29   | 0.00 | 783.29   | 2,567.98 | 1,283.99 | 3,667.36 | 1,811.17 | 14.61 | -1.79 | 0.438 |
| 81.00  | -12.62 | -16.57 | 0.00 | -766.53   | 0.00 | 766.53   | 2,555.93 | 1,277.97 | 3,632.78 | 1,794.10 | 14.99 | -1.82 | 0.432 |
| 82.00  | -12.37 | -16.39 | 0.00 | -749.95   | 0.00 | 749.95   | 2,543.88 | 1,271.94 | 3,598.38 | 1,777.10 | 15.37 | -1.84 | 0.427 |
| 83.00  | -12.12 | -16.20 | 0.00 | -733.56   | 0.00 | 733.56   | 2,531.84 | 1,265.92 | 3,564.13 | 1,760.19 | 15.76 | -1.87 | 0.422 |
| 84.00  | -11.87 | -16.01 | 0.00 | -717.36   | 0.00 | 717.36   | 2,519.79 | 1,259.89 | 3,530.05 | 1,743.36 | 16.15 | -1.89 | 0.416 |
| 84.67  | -11.70 | -15.89 | 0.00 | -706.63   | 0.00 | 706.63   | 2,511.72 | 1,255.86 | 3,507.31 | 1,732.13 | 16.42 | -1.91 | 0.413 |
| 85.00  | -11.60 | -15.83 | 0.00 | -701.39   | 0.00 | 701.39   | 2,507.74 | 1,253.87 | 3,496.14 | 1,726.61 | 16.55 | -1.92 | 0.260 |
| 85.00  | -11.60 | -15.83 | 0.00 | -701.39   | 0.00 | 701.39   | 1,414.25 | 707.13   | 1,455.35 | 718.74   | 16.55 | -1.92 | 0.252 |
| 86.00  | -11.40 | -15.75 | 0.00 | -685.57   | 0.00 | 685.57   | 1,408.59 | 704.29   | 1,440.18 | 711.25   | 16.95 | -1.93 | 0.327 |
| 87.00  | -11.20 | -15.67 | 0.00 | -669.82   | 0.00 | 669.82   | 1,402.88 | 701.44   | 1,425.06 | 703.78   | 17.36 | -1.97 | 0.321 |
| 88.00  | -11.00 | -15.59 | 0.00 | -654.15   | 0.00 | 654.15   | 1,397.13 | 698.56   | 1,409.96 | 696.33   | 17.78 | -2.01 | 0.314 |
| 89.00  | -10.80 | -15.51 | 0.00 | -638.56   | 0.00 | 638.56   | 1,391.33 | 695.67   | 1,394.89 | 688.89   | 18.21 | -2.05 | 0.308 |
| 90.00  | -10.60 | -15.43 | 0.00 | -623.05   | 0.00 | 623.05   | 1,385.49 | 692.75   | 1,379.86 | 681.46   | 18.64 | -2.09 | 0.301 |
| 91.00  | -10.41 | -15.36 | 0.00 | -607.62   | 0.00 | 607.62   | 1,379.61 | 689.81   | 1,364.87 | 674.06   | 19.08 | -2.13 | 0.294 |
| 92.00  | -10.21 | -15.28 | 0.00 | -592.26   | 0.00 | 592.26   | 1,373.69 | 686.84   | 1,349.91 | 666.67   | 19.53 | -2.17 | 0.288 |
| 93.00  | -10.01 | -15.15 | 0.00 | -576.98   | 0.00 | 576.98   | 1,367.72 | 683.86   | 1,334.99 | 659.30   | 19.99 | -2.21 | 0.281 |
| 94.00  | -9.82  | -15.03 | 0.00 | -561.83   | 0.00 | 561.83   | 1,361.71 | 680.85   | 1,320.10 | 651.95   | 20.46 | -2.25 | 0.275 |
| 95.00  | -9.63  | -14.90 | 0.00 | -546.80   | 0.00 | 546.80   | 1,355.66 | 677.83   | 1,305.26 | 644.62   | 20.93 | -2.28 | 0.268 |
| 95.44  | -9.54  | -14.85 | 0.00 | -540.24   | 0.00 | 540.24   | 1,352.98 | 676.49   | 1,298.74 | 641.40   | 21.15 | -2.30 | 0.265 |
| 95.44  | -9.54  | -14.85 | 0.00 | -540.24   | 0.00 | 540.24   | 1,352.98 | 676.49   | 1,298.74 | 641.40   | 21.15 | -2.30 | 0.850 |
| 96.00  | -9.45  | -14.79 | 0.00 | -531.93   | 0.00 | 531.93   | 1,349.56 | 674.78   | 1,290.45 | 637.30   | 21.42 | -2.32 | 0.842 |
| 97.00  | -9.29  | -14.68 | 0.00 | -517.14   | 0.00 | 517.14   | 1,343.42 | 671.71   | 1,275.68 | 630.01   | 21.92 | -2.43 | 0.828 |
| 98.00  | -9.13  | -14.57 | 0.00 | -502.47   | 0.00 | 502.47   | 1,337.24 | 668.62   | 1,260.95 | 622.74   | 22.44 | -2.55 | 0.814 |
| 99.00  | -8.97  | -14.46 | 0.00 | -487.90   | 0.00 | 487.90   | 1,331.01 | 665.51   | 1,246.27 | 615.49   | 22.98 | -2.66 | 0.800 |
| 100.00 | -8.81  | -14.34 | 0.00 | -473.44   | 0.00 | 473.44   | 1,324.75 | 662.37   | 1,231.63 | 608.25   | 23.55 | -2.78 | 0.785 |



Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

29 Iterations

Gust Response Factor : 1.10

Dead Load Factor : 0.90

Wind Load Factor : 1.60

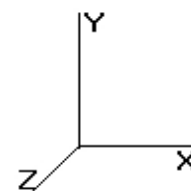
Wind Importance Factor : 1.00

|        |       |        |      |         |      |        |          |        |          |        |       |       |       |
|--------|-------|--------|------|---------|------|--------|----------|--------|----------|--------|-------|-------|-------|
| 101.00 | -8.69 | -14.28 | 0.00 | -459.10 | 0.00 | 459.10 | 1,318.44 | 659.22 | 1,217.03 | 601.04 | 24.15 | -2.89 | 0.771 |
| 102.00 | -8.58 | -14.22 | 0.00 | -444.82 | 0.00 | 444.82 | 1,312.08 | 656.04 | 1,202.47 | 593.86 | 24.76 | -3.00 | 0.756 |
| 103.00 | -8.46 | -14.16 | 0.00 | -430.60 | 0.00 | 430.60 | 1,305.69 | 652.84 | 1,187.96 | 586.69 | 25.40 | -3.11 | 0.741 |
| 104.00 | -8.35 | -14.09 | 0.00 | -416.45 | 0.00 | 416.45 | 1,299.25 | 649.62 | 1,173.50 | 579.55 | 26.07 | -3.22 | 0.725 |
| 105.00 | -8.24 | -14.03 | 0.00 | -402.36 | 0.00 | 402.36 | 1,293.29 | 646.65 | 1,159.56 | 572.66 | 26.75 | -3.32 | 0.709 |
| 106.00 | -8.13 | -13.96 | 0.00 | -388.33 | 0.00 | 388.33 | 1,283.85 | 641.92 | 1,142.58 | 564.28 | 27.46 | -3.43 | 0.695 |
| 107.00 | -8.02 | -13.90 | 0.00 | -374.36 | 0.00 | 374.36 | 1,274.40 | 637.20 | 1,125.74 | 555.96 | 28.19 | -3.53 | 0.680 |
| 108.00 | -7.91 | -13.84 | 0.00 | -360.46 | 0.00 | 360.46 | 1,264.95 | 632.48 | 1,109.01 | 547.70 | 28.94 | -3.64 | 0.665 |
| 109.00 | -7.80 | -13.77 | 0.00 | -346.63 | 0.00 | 346.63 | 1,255.51 | 627.75 | 1,092.42 | 539.50 | 29.71 | -3.74 | 0.649 |
| 110.00 | -6.80 | -11.60 | 0.00 | -332.86 | 0.00 | 332.86 | 1,246.06 | 623.03 | 1,075.94 | 531.37 | 30.51 | -3.84 | 0.632 |
| 110.00 | -6.80 | -11.60 | 0.00 | -332.86 | 0.00 | 332.86 | 852.83   | 426.42 | 740.79   | 365.85 | 30.51 | -3.84 | 0.919 |
| 111.00 | -6.71 | -11.53 | 0.00 | -321.26 | 0.00 | 321.26 | 849.27   | 424.64 | 732.18   | 361.60 | 31.32 | -3.93 | 0.897 |
| 112.00 | -6.63 | -11.47 | 0.00 | -309.73 | 0.00 | 309.73 | 845.67   | 422.84 | 723.58   | 357.35 | 32.16 | -4.06 | 0.875 |
| 113.00 | -6.54 | -11.41 | 0.00 | -298.26 | 0.00 | 298.26 | 842.03   | 421.01 | 714.99   | 353.11 | 33.02 | -4.19 | 0.853 |
| 114.00 | -6.46 | -11.35 | 0.00 | -286.85 | 0.00 | 286.85 | 838.34   | 419.17 | 706.41   | 348.87 | 33.91 | -4.31 | 0.831 |
| 115.00 | -6.38 | -11.29 | 0.00 | -275.50 | 0.00 | 275.50 | 834.62   | 417.31 | 697.84   | 344.64 | 34.83 | -4.43 | 0.808 |
| 116.00 | -6.29 | -11.23 | 0.00 | -264.21 | 0.00 | 264.21 | 830.85   | 415.43 | 689.29   | 340.42 | 35.77 | -4.55 | 0.784 |
| 117.00 | -6.21 | -11.16 | 0.00 | -252.99 | 0.00 | 252.99 | 827.04   | 413.52 | 680.76   | 336.20 | 36.73 | -4.67 | 0.761 |
| 118.00 | -6.13 | -11.10 | 0.00 | -241.83 | 0.00 | 241.83 | 823.19   | 411.60 | 672.24   | 331.99 | 37.72 | -4.78 | 0.737 |
| 119.00 | -6.05 | -11.04 | 0.00 | -230.72 | 0.00 | 230.72 | 819.30   | 409.65 | 663.73   | 327.79 | 38.74 | -4.90 | 0.712 |
| 120.00 | -5.98 | -10.98 | 0.00 | -219.69 | 0.00 | 219.69 | 815.37   | 407.68 | 655.25   | 323.60 | 39.77 | -5.01 | 0.687 |
| 121.00 | -5.90 | -10.91 | 0.00 | -208.71 | 0.00 | 208.71 | 811.40   | 405.70 | 646.78   | 319.42 | 40.83 | -5.11 | 0.661 |
| 122.00 | -5.82 | -10.85 | 0.00 | -197.80 | 0.00 | 197.80 | 807.38   | 403.69 | 638.33   | 315.25 | 41.91 | -5.22 | 0.635 |
| 123.00 | -5.75 | -10.79 | 0.00 | -186.95 | 0.00 | 186.95 | 803.32   | 401.66 | 629.90   | 311.09 | 43.02 | -5.32 | 0.609 |
| 124.00 | -5.67 | -10.72 | 0.00 | -176.16 | 0.00 | 176.16 | 799.23   | 399.61 | 621.49   | 306.93 | 44.14 | -5.41 | 0.582 |
| 125.00 | -5.60 | -10.66 | 0.00 | -165.43 | 0.00 | 165.43 | 795.09   | 397.54 | 613.11   | 302.79 | 45.28 | -5.51 | 0.554 |
| 126.00 | -5.53 | -10.60 | 0.00 | -154.77 | 0.00 | 154.77 | 790.91   | 395.45 | 604.74   | 298.66 | 46.45 | -5.60 | 0.526 |
| 127.00 | -5.46 | -10.53 | 0.00 | -144.18 | 0.00 | 144.18 | 786.69   | 393.34 | 596.40   | 294.54 | 47.63 | -5.68 | 0.497 |
| 128.00 | -5.39 | -10.47 | 0.00 | -133.64 | 0.00 | 133.64 | 782.42   | 391.21 | 588.08   | 290.43 | 48.82 | -5.77 | 0.468 |
| 129.00 | -5.32 | -10.41 | 0.00 | -123.17 | 0.00 | 123.17 | 778.12   | 389.06 | 579.79   | 286.34 | 50.04 | -5.84 | 0.438 |
| 130.00 | -4.04 | -6.98  | 0.00 | -108.11 | 0.00 | 108.11 | 773.77   | 386.89 | 571.52   | 282.25 | 51.27 | -5.92 | 0.389 |
| 131.00 | -3.99 | -6.91  | 0.00 | -101.13 | 0.00 | 101.13 | 769.39   | 384.69 | 563.28   | 278.18 | 52.51 | -5.99 | 0.369 |
| 132.00 | -3.94 | -6.85  | 0.00 | -94.22  | 0.00 | 94.22  | 764.96   | 382.48 | 555.06   | 274.13 | 53.77 | -6.05 | 0.349 |
| 133.00 | -3.89 | -6.79  | 0.00 | -87.37  | 0.00 | 87.37  | 760.49   | 380.24 | 546.88   | 270.08 | 55.04 | -6.11 | 0.329 |
| 134.00 | -3.84 | -6.72  | 0.00 | -80.58  | 0.00 | 80.58  | 755.98   | 377.99 | 538.72   | 266.05 | 56.33 | -6.17 | 0.308 |
| 135.00 | -3.79 | -6.66  | 0.00 | -73.86  | 0.00 | 73.86  | 751.42   | 375.71 | 530.59   | 262.04 | 57.62 | -6.22 | 0.287 |
| 136.00 | -3.74 | -6.59  | 0.00 | -67.20  | 0.00 | 67.20  | 746.83   | 373.41 | 522.49   | 258.04 | 58.93 | -6.28 | 0.266 |
| 137.00 | -3.69 | -6.53  | 0.00 | -60.61  | 0.00 | 60.61  | 742.19   | 371.10 | 514.42   | 254.05 | 60.25 | -6.32 | 0.244 |
| 138.00 | -3.65 | -6.47  | 0.00 | -54.08  | 0.00 | 54.08  | 737.52   | 368.76 | 506.39   | 250.09 | 61.57 | -6.37 | 0.221 |
| 139.00 | -3.60 | -6.40  | 0.00 | -47.61  | 0.00 | 47.61  | 732.80   | 366.40 | 498.39   | 246.13 | 62.91 | -6.41 | 0.199 |
| 140.00 | -1.94 | -3.64  | 0.00 | -41.21  | 0.00 | 41.21  | 728.04   | 364.02 | 490.42   | 242.20 | 64.25 | -6.44 | 0.173 |
| 141.00 | -1.90 | -3.58  | 0.00 | -37.57  | 0.00 | 37.57  | 721.77   | 360.89 | 481.50   | 237.80 | 65.60 | -6.48 | 0.161 |
| 142.00 | -1.86 | -3.52  | 0.00 | -33.99  | 0.00 | 33.99  | 714.82   | 357.41 | 472.22   | 233.21 | 66.96 | -6.51 | 0.148 |
| 143.00 | -1.82 | -3.46  | 0.00 | -30.47  | 0.00 | 30.47  | 707.87   | 353.93 | 463.02   | 228.67 | 68.33 | -6.54 | 0.136 |
| 144.00 | -1.78 | -3.39  | 0.00 | -27.01  | 0.00 | 27.01  | 700.91   | 350.46 | 453.92   | 224.17 | 69.69 | -6.56 | 0.123 |
| 145.00 | -1.75 | -3.33  | 0.00 | -23.62  | 0.00 | 23.62  | 693.96   | 346.98 | 444.90   | 219.72 | 71.07 | -6.59 | 0.110 |
| 146.00 | -1.71 | -3.27  | 0.00 | -20.29  | 0.00 | 20.29  | 687.01   | 343.50 | 435.98   | 215.31 | 72.45 | -6.61 | 0.097 |
| 147.00 | -1.67 | -3.21  | 0.00 | -17.02  | 0.00 | 17.02  | 680.05   | 340.03 | 427.15   | 210.95 | 73.83 | -6.63 | 0.083 |
| 148.00 | -1.63 | -3.15  | 0.00 | -13.81  | 0.00 | 13.81  | 673.10   | 336.55 | 418.40   | 206.63 | 75.22 | -6.64 | 0.069 |
| 149.00 | -1.60 | -3.09  | 0.00 | -10.67  | 0.00 | 10.67  | 666.15   | 333.07 | 409.75   | 202.36 | 76.61 | -6.66 | 0.055 |
| 150.00 | 0.00  | -2.88  | 0.00 | -7.58   | 0.00 | 7.58   | 659.19   | 329.60 | 401.19   | 198.13 | 78.00 | -6.67 | 0.038 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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|                                        |                                   |                               |
|----------------------------------------|-----------------------------------|-------------------------------|
| <b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice | 28 Iterations                 |
| Gust Response Factor : 1.10            | Ice Dead Load Factor : 1.00       | Wind Importance Factor : 1.00 |
| Dead Load Factor : 1.20                |                                   | Ice Importance Factor : 1.00  |
| Wind Load Factor : 1.00                |                                   |                               |

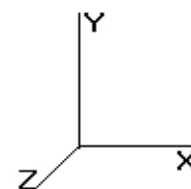
## Shaft Segment Forces (Factored)

| Seg Top Elev (ft) | Description     | Kzt  | Kz   | qz (psf) | qzGh (psf) | C (mph-ft) | Cf    | Ice Thick (in) | Tributary (ft) | Ap (sf) | EPAs (sf) | Wind Force X (lb) | Dead Load Ice (lb) | Tot Dead Load (lb) |
|-------------------|-----------------|------|------|----------|------------|------------|-------|----------------|----------------|---------|-----------|-------------------|--------------------|--------------------|
| 0.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 0.000          | 0.00           | 0.000   | 0.00      | 0.0               | 0.0                | 0.0                |
| 1.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.410          | 1.00           | 4.861   | 5.83      | 17.5              | 100.0              | 621.3              |
| 2.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.511          | 1.00           | 4.829   | 5.79      | 17.4              | 106.2              | 622.0              |
| 3.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.574          | 1.00           | 4.790   | 5.75      | 17.2              | 109.6              | 619.7              |
| 4.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.620          | 1.00           | 4.749   | 5.70      | 17.1              | 111.7              | 616.2              |
| 5.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.656          | 1.00           | 4.706   | 5.65      | 16.9              | 113.1              | 612.0              |
| 6.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.687          | 1.00           | 4.662   | 5.59      | 16.8              | 114.0              | 607.3              |
| 7.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.713          | 1.00           | 4.618   | 5.54      | 16.6              | 114.5              | 602.3              |
| 8.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.736          | 1.00           | 4.573   | 5.49      | 16.4              | 114.9              | 597.0              |
| 9.00              |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.756          | 1.00           | 4.527   | 5.43      | 16.3              | 115.0              | 591.6              |
| 10.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.775          | 1.00           | 4.481   | 5.38      | 16.1              | 114.9              | 585.9              |
| 11.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.792          | 1.00           | 4.435   | 5.32      | 15.9              | 114.7              | 580.2              |
| 12.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.808          | 1.00           | 4.389   | 5.27      | 15.8              | 114.5              | 574.3              |
| 13.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.822          | 1.00           | 4.342   | 5.21      | 15.6              | 114.1              | 568.3              |
| 14.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.836          | 1.00           | 4.296   | 5.15      | 15.4              | 113.6              | 562.2              |
| 15.00             | Top - Section 1 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.848          | 1.00           | 4.249   | 5.10      | 15.3              | 113.1              | 556.1              |
| 16.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.860          | 1.00           | 4.237   | 5.08      | 15.2              | 113.9              | 519.2              |
| 17.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.872          | 1.00           | 4.225   | 5.07      | 15.2              | 114.2              | 518.0              |
| 18.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.882          | 1.00           | 4.213   | 5.06      | 15.1              | 114.5              | 516.8              |
| 19.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.893          | 1.00           | 4.200   | 5.04      | 15.1              | 114.8              | 515.6              |
| 20.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.902          | 1.00           | 4.188   | 5.03      | 15.1              | 115.0              | 514.4              |
| 21.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.912          | 1.00           | 4.176   | 5.01      | 15.0              | 115.2              | 513.1              |
| 22.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.921          | 1.00           | 4.163   | 5.00      | 15.0              | 115.3              | 511.8              |
| 23.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.929          | 1.00           | 4.150   | 4.98      | 14.9              | 115.4              | 510.4              |
| 24.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.937          | 1.00           | 4.138   | 4.97      | 14.9              | 115.6              | 509.0              |
| 25.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.945          | 1.00           | 4.125   | 4.95      | 14.8              | 115.6              | 507.7              |
| 26.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.953          | 1.00           | 4.112   | 4.93      | 14.8              | 115.7              | 506.3              |
| 27.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.960          | 1.00           | 4.100   | 4.92      | 14.7              | 115.7              | 504.8              |
| 28.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.967          | 1.00           | 4.087   | 4.90      | 14.7              | 115.8              | 503.4              |
| 29.00             |                 | 1.00 | 0.70 | 2.724    | 2.996      | 0.000      | 1.200 | 1.974          | 1.00           | 4.074   | 4.89      | 14.6              | 115.8              | 501.9              |
| 30.00             |                 | 1.00 | 0.70 | 2.726    | 2.999      | 0.000      | 1.200 | 1.981          | 1.00           | 4.061   | 4.87      | 14.6              | 115.8              | 500.4              |
| 31.00             |                 | 1.00 | 0.70 | 2.752    | 3.027      | 0.000      | 1.200 | 1.988          | 1.00           | 4.048   | 4.86      | 14.7              | 115.7              | 499.0              |
| 32.00             |                 | 1.00 | 0.71 | 2.777    | 3.055      | 0.000      | 1.200 | 1.994          | 1.00           | 4.035   | 4.84      | 14.8              | 115.7              | 497.5              |
| 33.00             |                 | 1.00 | 0.72 | 2.801    | 3.082      | 0.000      | 1.200 | 2.000          | 1.00           | 4.022   | 4.83      | 14.9              | 115.7              | 495.9              |
| 34.00             |                 | 1.00 | 0.72 | 2.825    | 3.108      | 0.000      | 1.200 | 2.006          | 1.00           | 4.009   | 4.81      | 15.0              | 115.6              | 494.4              |
| 35.00             |                 | 1.00 | 0.73 | 2.849    | 3.134      | 0.000      | 1.200 | 2.012          | 1.00           | 3.996   | 4.80      | 15.0              | 115.5              | 492.9              |
| 36.00             |                 | 1.00 | 0.73 | 2.872    | 3.159      | 0.000      | 1.200 | 2.017          | 1.00           | 3.983   | 4.78      | 15.1              | 115.4              | 491.3              |
| 37.00             |                 | 1.00 | 0.74 | 2.894    | 3.184      | 0.000      | 1.200 | 2.023          | 1.00           | 3.970   | 4.76      | 15.2              | 115.3              | 489.7              |
| 38.00             |                 | 1.00 | 0.75 | 2.917    | 3.208      | 0.000      | 1.200 | 2.028          | 1.00           | 3.957   | 4.75      | 15.2              | 115.2              | 488.2              |
| 39.00             |                 | 1.00 | 0.75 | 2.938    | 3.232      | 0.000      | 1.200 | 2.034          | 1.00           | 3.944   | 4.73      | 15.3              | 115.1              | 486.6              |
| 40.00             |                 | 1.00 | 0.76 | 2.960    | 3.256      | 0.000      | 1.200 | 2.039          | 1.00           | 3.930   | 4.72      | 15.4              | 115.0              | 485.0              |
| 41.00             |                 | 1.00 | 0.76 | 2.981    | 3.279      | 0.000      | 1.200 | 2.044          | 1.00           | 3.917   | 4.70      | 15.4              | 114.9              | 483.4              |
| 42.00             |                 | 1.00 | 0.77 | 3.001    | 3.301      | 0.000      | 1.200 | 2.049          | 1.00           | 3.904   | 4.68      | 15.5              | 114.7              | 481.8              |
| 43.00             |                 | 1.00 | 0.77 | 3.021    | 3.324      | 0.000      | 1.200 | 2.054          | 1.00           | 3.891   | 4.67      | 15.5              | 114.6              | 480.2              |
| 44.00             |                 | 1.00 | 0.78 | 3.041    | 3.346      | 0.000      | 1.200 | 2.058          | 1.00           | 3.878   | 4.65      | 15.6              | 114.4              | 478.5              |
| 45.00             |                 | 1.00 | 0.78 | 3.061    | 3.367      | 0.000      | 1.200 | 2.063          | 1.00           | 3.864   | 4.64      | 15.6              | 114.2              | 476.9              |
| 46.00             |                 | 1.00 | 0.79 | 3.080    | 3.388      | 0.000      | 1.200 | 2.068          | 1.00           | 3.851   | 4.62      | 15.7              | 114.1              | 475.3              |
| 47.00             |                 | 1.00 | 0.79 | 3.099    | 3.409      | 0.000      | 1.200 | 2.072          | 1.00           | 3.838   | 4.61      | 15.7              | 113.9              | 473.6              |
| 48.00             |                 | 1.00 | 0.80 | 3.118    | 3.430      | 0.000      | 1.200 | 2.076          | 1.00           | 3.824   | 4.59      | 15.7              | 113.7              | 472.0              |
| 49.00             |                 | 1.00 | 0.80 | 3.136    | 3.450      | 0.000      | 1.200 | 2.081          | 1.00           | 3.811   | 4.57      | 15.8              | 113.5              | 470.3              |
| 50.00             |                 | 1.00 | 0.81 | 3.155    | 3.470      | 0.000      | 1.200 | 2.085          | 1.00           | 3.798   | 4.56      | 15.8              | 113.3              | 468.6              |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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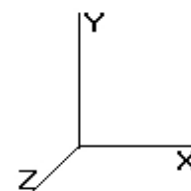
|                                        |                                   |                               |
|----------------------------------------|-----------------------------------|-------------------------------|
| <b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice | 28 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 |                 | 1.00 | 0.81 | 3.172 | 3.490 | 0.000 | 1.200 | * | 2.089 | 1.00 | 3.785 | 4.54 | 15.8 | 113.1 | 467.0 |
| 52.00 |                 | 1.00 | 0.82 | 3.190 | 3.509 | 0.000 | 1.200 | * | 2.093 | 1.00 | 3.771 | 4.53 | 15.9 | 112.9 | 465.3 |
| 53.00 |                 | 1.00 | 0.82 | 3.207 | 3.528 | 0.000 | 1.200 | * | 2.097 | 1.00 | 3.758 | 4.51 | 15.9 | 112.7 | 463.6 |
| 54.00 |                 | 1.00 | 0.82 | 3.225 | 3.547 | 0.000 | 1.200 | * | 2.101 | 1.00 | 3.744 | 4.49 | 15.9 | 112.5 | 461.9 |
| 55.00 | Top - Section 2 | 1.00 | 0.83 | 3.242 | 3.566 | 0.000 | 1.200 | * | 2.105 | 1.00 | 3.731 | 4.48 | 16.0 | 112.2 | 460.2 |
| 56.00 |                 | 1.00 | 0.83 | 3.258 | 3.584 | 0.000 | 1.200 | * | 2.109 | 1.00 | 3.744 | 4.49 | 16.1 | 112.8 | 430.8 |
| 57.00 |                 | 1.00 | 0.84 | 3.275 | 3.602 | 0.000 | 1.200 | * | 2.112 | 1.00 | 3.730 | 4.48 | 16.1 | 112.6 | 429.2 |
| 58.00 |                 | 1.00 | 0.84 | 3.291 | 3.620 | 0.000 | 1.200 | * | 2.116 | 1.00 | 3.717 | 4.46 | 16.1 | 112.3 | 427.6 |
| 59.00 |                 | 1.00 | 0.85 | 3.307 | 3.638 | 0.000 | 1.200 | * | 2.120 | 1.00 | 3.703 | 4.44 | 16.2 | 112.1 | 426.0 |
| 60.00 |                 | 1.00 | 0.85 | 3.323 | 3.656 | 0.000 | 1.200 | * | 2.123 | 1.00 | 3.690 | 4.43 | 16.2 | 111.8 | 424.4 |
| 61.00 |                 | 1.00 | 0.85 | 3.339 | 3.673 | 0.000 | 1.200 | * | 2.127 | 1.00 | 3.676 | 4.41 | 16.2 | 111.6 | 422.8 |
| 62.00 |                 | 1.00 | 0.86 | 3.354 | 3.690 | 0.000 | 1.200 | * | 2.130 | 1.00 | 3.663 | 4.40 | 16.2 | 111.3 | 421.2 |
| 63.00 |                 | 1.00 | 0.86 | 3.370 | 3.707 | 0.000 | 1.200 | * | 2.134 | 1.00 | 3.649 | 4.38 | 16.2 | 111.1 | 419.6 |
| 64.00 |                 | 1.00 | 0.87 | 3.385 | 3.724 | 0.000 | 1.200 | * | 2.137 | 1.00 | 3.636 | 4.36 | 16.2 | 110.8 | 418.0 |
| 65.00 |                 | 1.00 | 0.87 | 3.400 | 3.740 | 0.000 | 1.200 | * | 2.140 | 1.00 | 3.622 | 4.35 | 16.3 | 110.5 | 416.4 |
| 66.00 |                 | 1.00 | 0.87 | 3.415 | 3.756 | 0.000 | 1.200 | * | 2.144 | 1.00 | 3.608 | 4.33 | 16.3 | 110.2 | 414.8 |
| 67.00 |                 | 1.00 | 0.88 | 3.430 | 3.773 | 0.000 | 1.200 | * | 2.147 | 1.00 | 3.595 | 4.31 | 16.3 | 110.0 | 413.2 |
| 68.00 |                 | 1.00 | 0.88 | 3.444 | 3.789 | 0.000 | 1.200 | * | 2.150 | 1.00 | 3.581 | 4.30 | 16.3 | 109.7 | 411.5 |
| 69.00 |                 | 1.00 | 0.88 | 3.459 | 3.804 | 0.000 | 1.200 | * | 2.153 | 1.00 | 3.568 | 4.28 | 16.3 | 109.4 | 409.9 |
| 70.00 |                 | 1.00 | 0.89 | 3.473 | 3.820 | 0.000 | 1.200 | * | 2.156 | 1.00 | 3.554 | 4.27 | 16.3 | 109.1 | 408.3 |
| 71.00 |                 | 1.00 | 0.89 | 3.487 | 3.836 | 0.000 | 1.200 | * | 2.159 | 1.00 | 3.541 | 4.25 | 16.3 | 108.8 | 406.6 |
| 72.00 |                 | 1.00 | 0.90 | 3.501 | 3.851 | 0.000 | 1.200 | * | 2.162 | 1.00 | 3.527 | 4.23 | 16.3 | 108.5 | 405.0 |
| 73.00 |                 | 1.00 | 0.90 | 3.515 | 3.866 | 0.000 | 1.200 | * | 2.165 | 1.00 | 3.513 | 4.22 | 16.3 | 108.2 | 403.4 |
| 74.00 |                 | 1.00 | 0.90 | 3.528 | 3.881 | 0.000 | 1.200 | * | 2.168 | 1.00 | 3.500 | 4.20 | 16.3 | 107.9 | 401.7 |
| 75.00 | Top - Section 3 | 1.00 | 0.91 | 3.542 | 3.896 | 0.000 | 1.200 | * | 2.171 | 1.00 | 3.486 | 4.18 | 16.3 | 107.6 | 400.1 |
| 76.00 |                 | 1.00 | 0.91 | 3.555 | 3.911 | 0.000 | 1.200 | * | 2.174 | 1.00 | 3.473 | 4.17 | 16.3 | 107.3 | 341.0 |
| 77.00 |                 | 1.00 | 0.91 | 3.569 | 3.926 | 0.000 | 1.200 | * | 2.177 | 1.00 | 3.459 | 4.15 | 16.3 | 107.0 | 339.6 |
| 78.00 |                 | 1.00 | 0.92 | 3.582 | 3.940 | 0.000 | 1.200 | * | 2.180 | 1.00 | 3.445 | 4.13 | 16.3 | 106.7 | 338.2 |
| 79.00 |                 | 1.00 | 0.92 | 3.595 | 3.954 | 0.000 | 1.200 | * | 2.182 | 1.00 | 3.432 | 4.12 | 16.3 | 106.3 | 336.8 |
| 80.00 |                 | 1.00 | 0.92 | 3.608 | 3.969 | 0.000 | 1.200 | * | 2.185 | 1.00 | 3.418 | 4.10 | 16.3 | 106.0 | 335.4 |
| 81.00 |                 | 1.00 | 0.93 | 3.621 | 3.983 | 0.000 | 1.200 | * | 2.188 | 1.00 | 3.404 | 4.09 | 16.3 | 105.7 | 334.1 |
| 82.00 |                 | 1.00 | 0.93 | 3.633 | 3.997 | 0.000 | 1.200 | * | 2.191 | 1.00 | 3.391 | 4.07 | 16.3 | 105.4 | 332.7 |
| 83.00 |                 | 1.00 | 0.93 | 3.646 | 4.011 | 0.000 | 1.200 | * | 2.193 | 1.00 | 3.377 | 4.05 | 16.3 | 105.0 | 331.2 |
| 84.00 |                 | 1.00 | 0.94 | 3.659 | 4.024 | 0.000 | 1.200 | * | 2.196 | 1.00 | 3.363 | 4.04 | 16.2 | 104.7 | 329.8 |
| 84.67 | Reinf Bottom    | 1.00 | 0.94 | 3.667 | 4.034 | 0.000 | 1.200 | * | 2.198 | 0.67 | 2.246 | 2.70 | 10.9 | 70.0  | 220.2 |
| 85.00 | Top - Section 4 | 1.00 | 0.94 | 3.671 | 4.038 | 0.000 | 1.200 | * | 2.198 | 0.33 | 1.104 | 1.32 | 5.3  | 34.4  | 124.8 |
| 86.00 |                 | 1.00 | 0.94 | 3.683 | 4.052 | 0.000 | 1.200 | * | 2.201 | 1.00 | 2.537 | 3.04 | 12.3 | 77.6  | 209.6 |
| 87.00 |                 | 1.00 | 0.95 | 3.695 | 4.065 | 0.000 | 1.200 | * | 2.204 | 1.00 | 2.523 | 3.03 | 12.3 | 77.2  | 208.7 |
| 88.00 |                 | 1.00 | 0.95 | 3.707 | 4.078 | 0.000 | 1.200 | * | 2.206 | 1.00 | 2.510 | 3.01 | 12.3 | 76.9  | 207.8 |
| 89.00 |                 | 1.00 | 0.95 | 3.719 | 4.091 | 0.000 | 1.200 | * | 2.209 | 1.00 | 2.497 | 3.00 | 12.3 | 76.5  | 206.9 |
| 90.00 |                 | 1.00 | 0.95 | 3.731 | 4.105 | 0.000 | 1.200 | * | 2.211 | 1.00 | 2.483 | 2.98 | 12.2 | 76.2  | 206.0 |
| 91.00 |                 | 1.00 | 0.96 | 3.743 | 4.117 | 0.000 | 1.200 | * | 2.214 | 1.00 | 2.470 | 2.96 | 12.2 | 75.8  | 205.1 |
| 92.00 |                 | 1.00 | 0.96 | 3.755 | 4.130 | 0.000 | 1.200 | * | 2.216 | 1.00 | 2.457 | 2.95 | 12.2 | 75.4  | 204.2 |
| 93.00 |                 | 1.00 | 0.96 | 3.766 | 4.143 | 0.000 | 1.200 | * | 2.218 | 1.00 | 2.443 | 2.93 | 12.1 | 75.1  | 203.3 |
| 94.00 |                 | 1.00 | 0.97 | 3.778 | 4.156 | 0.000 | 1.200 | * | 2.221 | 1.00 | 2.430 | 2.92 | 12.1 | 74.7  | 202.4 |
| 95.00 |                 | 1.00 | 0.97 | 3.789 | 4.168 | 0.000 | 1.200 | * | 2.223 | 1.00 | 2.417 | 2.90 | 12.1 | 74.3  | 201.6 |
| 95.44 | Reinf. Top      | 1.00 | 0.97 | 3.794 | 4.174 | 0.000 | 1.200 | * | 2.224 | 0.44 | 1.059 | 1.27 | 5.3  | 32.6  | 88.4  |
| 96.00 |                 | 1.00 | 0.97 | 3.801 | 4.181 | 0.000 | 1.200 | * | 2.225 | 0.56 | 1.344 | 1.61 | 6.7  | 41.4  | 84.2  |
| 97.00 |                 | 1.00 | 0.98 | 3.812 | 4.193 | 0.000 | 1.200 | * | 2.228 | 1.00 | 2.390 | 2.87 | 12.0 | 73.6  | 149.7 |
| 98.00 |                 | 1.00 | 0.98 | 3.823 | 4.206 | 0.000 | 1.200 | * | 2.230 | 1.00 | 2.377 | 2.85 | 12.0 | 73.2  | 148.8 |
| 99.00 |                 | 1.00 | 0.98 | 3.834 | 4.218 | 0.000 | 1.200 | * | 2.232 | 1.00 | 2.363 | 2.84 | 12.0 | 72.8  | 147.8 |
| 100.0 |                 | 1.00 | 0.98 | 3.845 | 4.230 | 0.000 | 1.200 | * | 2.234 | 1.00 | 2.350 | 2.82 | 11.9 | 72.4  | 146.9 |
| 101.0 |                 | 1.00 | 0.99 | 3.856 | 4.242 | 0.000 | 1.200 | * | 2.237 | 1.00 | 2.337 | 2.80 | 11.9 | 72.0  | 146.0 |
| 102.0 |                 | 1.00 | 0.99 | 3.867 | 4.254 | 0.000 | 1.200 | * | 2.239 | 1.00 | 2.323 | 2.79 | 11.9 | 71.7  | 145.1 |
| 103.0 |                 | 1.00 | 0.99 | 3.878 | 4.266 | 0.000 | 1.200 | * | 2.241 | 1.00 | 2.310 | 2.77 | 11.8 | 71.3  | 144.2 |
| 104.0 |                 | 1.00 | 0.99 | 3.889 | 4.278 | 0.000 | 1.200 | * | 2.243 | 1.00 | 2.296 | 2.76 | 11.8 | 70.9  | 143.3 |
| 105.0 |                 | 1.00 | 1.00 | 3.899 | 4.289 | 0.000 | 1.200 | * | 2.245 | 1.00 | 2.283 | 2.74 | 11.8 | 70.5  | 142.4 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.0Di + 1.0Wi      40.00 mph with 1.00 in Radial Ice      28 Iterations

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

|       |                 |      |      |       |       |       |       |       |      |       |      |      |      |       |
|-------|-----------------|------|------|-------|-------|-------|-------|-------|------|-------|------|------|------|-------|
| 106.0 |                 | 1.00 | 1.00 | 3.910 | 4.301 | 0.000 | 1.200 | 2.248 | 1.00 | 2.270 | 2.72 | 11.7 | 70.1 | 141.5 |
| 107.0 |                 | 1.00 | 1.00 | 3.920 | 4.313 | 0.000 | 1.200 | 2.250 | 1.00 | 2.256 | 2.71 | 11.7 | 69.7 | 140.6 |
| 108.0 |                 | 1.00 | 1.01 | 3.931 | 4.324 | 0.000 | 1.200 | 2.252 | 1.00 | 2.243 | 2.69 | 11.6 | 69.3 | 139.6 |
| 109.0 |                 | 1.00 | 1.01 | 3.941 | 4.335 | 0.000 | 1.200 | 2.254 | 1.00 | 2.230 | 2.68 | 11.6 | 68.9 | 138.7 |
| 110.0 | Top - Section 5 | 1.00 | 1.01 | 3.952 | 4.347 | 0.000 | 1.200 | 2.256 | 1.00 | 2.216 | 2.66 | 11.6 | 68.5 | 137.8 |
| 111.0 |                 | 1.00 | 1.01 | 3.962 | 4.358 | 0.000 | 1.200 | 2.258 | 1.00 | 2.203 | 2.64 | 11.5 | 68.1 | 119.9 |
| 112.0 |                 | 1.00 | 1.02 | 3.972 | 4.369 | 0.000 | 1.200 | 2.260 | 1.00 | 2.190 | 2.63 | 11.5 | 67.7 | 119.1 |
| 113.0 |                 | 1.00 | 1.02 | 3.982 | 4.380 | 0.000 | 1.200 | 2.262 | 1.00 | 2.177 | 2.61 | 11.4 | 67.3 | 118.3 |
| 114.0 |                 | 1.00 | 1.02 | 3.992 | 4.391 | 0.000 | 1.200 | 2.264 | 1.00 | 2.163 | 2.60 | 11.4 | 67.0 | 117.5 |
| 115.0 |                 | 1.00 | 1.02 | 4.002 | 4.402 | 0.000 | 1.200 | 2.266 | 1.00 | 2.150 | 2.58 | 11.4 | 66.6 | 116.7 |
| 116.0 |                 | 1.00 | 1.03 | 4.012 | 4.413 | 0.000 | 1.200 | 2.268 | 1.00 | 2.137 | 2.56 | 11.3 | 66.2 | 116.0 |
| 117.0 |                 | 1.00 | 1.03 | 4.022 | 4.424 | 0.000 | 1.200 | 2.270 | 1.00 | 2.124 | 2.55 | 11.3 | 65.8 | 115.2 |
| 118.0 |                 | 1.00 | 1.03 | 4.032 | 4.435 | 0.000 | 1.200 | 2.272 | 1.00 | 2.111 | 2.53 | 11.2 | 65.4 | 114.4 |
| 119.0 |                 | 1.00 | 1.03 | 4.041 | 4.445 | 0.000 | 1.200 | 2.274 | 1.00 | 2.098 | 2.52 | 11.2 | 65.0 | 113.6 |
| 120.0 |                 | 1.00 | 1.04 | 4.051 | 4.456 | 0.000 | 1.200 | 2.276 | 1.00 | 2.085 | 2.50 | 11.1 | 64.6 | 112.8 |
| 121.0 |                 | 1.00 | 1.04 | 4.061 | 4.467 | 0.000 | 1.200 | 2.277 | 1.00 | 2.071 | 2.49 | 11.1 | 64.2 | 112.0 |
| 122.0 |                 | 1.00 | 1.04 | 4.070 | 4.477 | 0.000 | 1.200 | 2.279 | 1.00 | 2.058 | 2.47 | 11.1 | 63.8 | 111.3 |
| 123.0 |                 | 1.00 | 1.04 | 4.080 | 4.488 | 0.000 | 1.200 | 2.281 | 1.00 | 2.045 | 2.45 | 11.0 | 63.4 | 110.5 |
| 124.0 |                 | 1.00 | 1.05 | 4.089 | 4.498 | 0.000 | 1.200 | 2.283 | 1.00 | 2.032 | 2.44 | 11.0 | 62.9 | 109.7 |
| 125.0 |                 | 1.00 | 1.05 | 4.099 | 4.508 | 0.000 | 1.200 | 2.285 | 1.00 | 2.019 | 2.42 | 10.9 | 62.5 | 108.9 |
| 126.0 |                 | 1.00 | 1.05 | 4.108 | 4.519 | 0.000 | 1.200 | 2.287 | 1.00 | 2.005 | 2.41 | 10.9 | 62.1 | 108.1 |
| 127.0 |                 | 1.00 | 1.05 | 4.117 | 4.529 | 0.000 | 1.200 | 2.289 | 1.00 | 1.992 | 2.39 | 10.8 | 61.7 | 107.3 |
| 128.0 |                 | 1.00 | 1.06 | 4.126 | 4.539 | 0.000 | 1.200 | 2.290 | 1.00 | 1.979 | 2.37 | 10.8 | 61.3 | 106.5 |
| 129.0 |                 | 1.00 | 1.06 | 4.136 | 4.549 | 0.000 | 1.200 | 2.292 | 1.00 | 1.966 | 2.36 | 10.7 | 60.9 | 105.7 |
| 130.0 | Appertunance(s) | 1.00 | 1.06 | 4.145 | 4.559 | 0.000 | 1.200 | 2.294 | 1.00 | 1.953 | 2.34 | 10.7 | 60.5 | 104.9 |
| 131.0 |                 | 1.00 | 1.06 | 4.154 | 4.569 | 0.000 | 1.200 | 2.296 | 1.00 | 1.940 | 2.33 | 10.6 | 60.1 | 104.1 |
| 132.0 |                 | 1.00 | 1.07 | 4.163 | 4.579 | 0.000 | 1.200 | 2.297 | 1.00 | 1.926 | 2.31 | 10.6 | 59.7 | 103.3 |
| 133.0 |                 | 1.00 | 1.07 | 4.172 | 4.589 | 0.000 | 1.200 | 2.299 | 1.00 | 1.913 | 2.30 | 10.5 | 59.2 | 102.5 |
| 134.0 |                 | 1.00 | 1.07 | 4.181 | 4.599 | 0.000 | 1.200 | 2.301 | 1.00 | 1.900 | 2.28 | 10.5 | 58.8 | 101.7 |
| 135.0 |                 | 1.00 | 1.07 | 4.190 | 4.609 | 0.000 | 1.200 | 2.303 | 1.00 | 1.887 | 2.26 | 10.4 | 58.4 | 100.9 |
| 136.0 |                 | 1.00 | 1.07 | 4.199 | 4.618 | 0.000 | 1.200 | 2.304 | 1.00 | 1.874 | 2.25 | 10.4 | 58.0 | 100.1 |
| 137.0 |                 | 1.00 | 1.08 | 4.207 | 4.628 | 0.000 | 1.200 | 2.306 | 1.00 | 1.860 | 2.23 | 10.3 | 57.6 | 99.3  |
| 138.0 |                 | 1.00 | 1.08 | 4.216 | 4.638 | 0.000 | 1.200 | 2.308 | 1.00 | 1.847 | 2.22 | 10.3 | 57.2 | 98.5  |
| 139.0 |                 | 1.00 | 1.08 | 4.225 | 4.647 | 0.000 | 1.200 | 2.309 | 1.00 | 1.834 | 2.20 | 10.2 | 56.7 | 97.7  |
| 140.0 | Appertunance(s) | 1.00 | 1.08 | 4.233 | 4.657 | 0.000 | 1.200 | 2.311 | 1.00 | 1.821 | 2.18 | 10.2 | 56.3 | 96.9  |
| 141.0 |                 | 1.00 | 1.09 | 4.242 | 4.666 | 0.000 | 1.200 | 2.313 | 1.00 | 1.808 | 2.17 | 10.1 | 55.9 | 96.1  |
| 142.0 |                 | 1.00 | 1.09 | 4.251 | 4.676 | 0.000 | 1.200 | 2.314 | 1.00 | 1.794 | 2.15 | 10.1 | 55.5 | 95.3  |
| 143.0 |                 | 1.00 | 1.09 | 4.259 | 4.685 | 0.000 | 1.200 | 2.316 | 1.00 | 1.781 | 2.14 | 10.0 | 55.0 | 94.4  |
| 144.0 |                 | 1.00 | 1.09 | 4.268 | 4.694 | 0.000 | 1.200 | 2.317 | 1.00 | 1.768 | 2.12 | 10.0 | 54.6 | 93.6  |
| 145.0 |                 | 1.00 | 1.09 | 4.276 | 4.704 | 0.000 | 1.200 | 2.319 | 1.00 | 1.755 | 2.11 | 9.9  | 54.2 | 92.8  |
| 146.0 |                 | 1.00 | 1.10 | 4.284 | 4.713 | 0.000 | 1.200 | 2.321 | 1.00 | 1.742 | 2.09 | 9.8  | 53.8 | 92.0  |
| 147.0 |                 | 1.00 | 1.10 | 4.293 | 4.722 | 0.000 | 1.200 | 2.322 | 1.00 | 1.728 | 2.07 | 9.8  | 53.3 | 91.2  |
| 148.0 |                 | 1.00 | 1.10 | 4.301 | 4.731 | 0.000 | 1.200 | 2.324 | 1.00 | 1.715 | 2.06 | 9.7  | 52.9 | 90.4  |
| 149.0 |                 | 1.00 | 1.10 | 4.309 | 4.740 | 0.000 | 1.200 | 2.325 | 1.00 | 1.702 | 2.04 | 9.7  | 52.5 | 89.6  |
| 150.0 | Appertunance(s) | 1.00 | 1.11 | 4.318 | 4.749 | 0.000 | 1.200 | 2.327 | 1.00 | 1.689 | 2.03 | 9.6  | 52.0 | 88.7  |

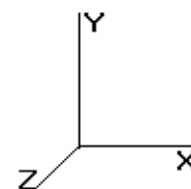
\* = Cf Adjusted By Linear Load Ra Effect

Totals:      150.00      2,068.5      13,773.1      48,661.1

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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|                                        |                                   |                               |
|----------------------------------------|-----------------------------------|-------------------------------|
| <b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice | 28 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)

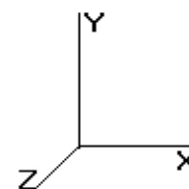
| Elev<br>(ft) | Description          | Qty | qz<br>(psf) | qzGh<br>(psf) | Orientation<br>Factor | Ka   | Total<br>EPAA<br>(sf) | Horiz<br>Ecc<br>(ft) | Vert<br>Ecc<br>(ft) | Wind<br>FX<br>(lb) | Mom<br>Y<br>(lb-ft) | Mom<br>Z<br>(lb-ft) | Dead<br>Load<br>(lb) |
|--------------|----------------------|-----|-------------|---------------|-----------------------|------|-----------------------|----------------------|---------------------|--------------------|---------------------|---------------------|----------------------|
| 75.00        | PCTEL GPS-TMG-HR-    | 1   | 3.542       | 3.896         | 1.00                  | 1.00 | 0.17                  | 0.000                | 0.000               | 0.66               | 0.00                | 0.00                | -17.64               |
| 110.0        | 48" x 12" Panels     | 9   | 3.952       | 4.347         | 0.67                  | 0.80 | 30.71                 | 0.000                | 0.000               | 133.49             | 0.00                | 0.00                | 1,974.36             |
| 110.0        | 72" x 12" Panels     | 3   | 3.952       | 4.347         | 0.67                  | 0.80 | 15.83                 | 0.000                | 0.000               | 68.79              | 0.00                | 0.00                | 949.11               |
| 110.0        | Round T-Arms         | 3   | 3.952       | 4.347         | 0.67                  | 0.75 | 30.72                 | 0.000                | 0.000               | 133.53             | 0.00                | 0.00                | 1,520.12             |
| 130.0        | Antel BXA-70063/6CF  | 3   | 4.163       | 4.579         | 0.77                  | 0.80 | 17.15                 | 0.000                | 2.000               | 78.52              | 0.00                | 157.04              | 780.40               |
| 130.0        | Antel LPA-80080/6CF  | 4   | 4.163       | 4.579         | 0.75                  | 0.80 | 24.94                 | 0.000                | 2.000               | 114.22             | 0.00                | 228.44              | 1,189.72             |
| 130.0        | Antel BXA-171085-8BF | 2   | 4.163       | 4.579         | 0.87                  | 0.80 | 5.72                  | 0.000                | 2.000               | 26.21              | 0.00                | 52.42               | 265.99               |
| 130.0        | Antel BXA-171063-8BF | 1   | 4.163       | 4.579         | 0.87                  | 0.80 | 2.86                  | 0.000                | 2.000               | 13.11              | 0.00                | 26.21               | 132.99               |
| 130.0        | Round Low Profile PI | 1   | 4.145       | 4.559         | 1.00                  | 1.00 | 46.99                 | 0.000                | 0.000               | 214.22             | 0.00                | 0.00                | 2,453.33             |
| 130.0        | RFS FD9R6004/2C-3L   | 6   | 4.163       | 4.579         | 0.50                  | 0.80 | 1.66                  | 0.000                | 2.000               | 7.59               | 0.00                | 15.18               | 144.02               |
| 130.0        | Antel LPA-80063/6CF  | 2   | 4.163       | 4.579         | 0.95                  | 0.80 | 17.35                 | 0.000                | 2.000               | 79.45              | 0.00                | 158.91              | 856.35               |
| 140.0        | Round Low Profile PI | 1   | 4.233       | 4.657         | 1.00                  | 1.00 | 39.13                 | 0.000                | 0.000               | 182.22             | 0.00                | 0.00                | 1,627.73             |
| 140.0        | Alcatel-Lucent 800 M | 3   | 4.233       | 4.657         | 0.67                  | 0.80 | 4.62                  | 0.000                | 0.000               | 21.54              | 0.00                | 0.00                | 617.68               |
| 140.0        | RFS APXVSP18-C-      | 3   | 4.233       | 4.657         | 0.83                  | 0.80 | 19.46                 | 0.000                | 0.000               | 90.64              | 0.00                | 0.00                | 1,048.74             |
| 140.0        | Alcatel-Lucent 1900  | 3   | 4.233       | 4.657         | 0.67                  | 0.80 | 5.20                  | 0.000                | 0.000               | 24.24              | 0.00                | 0.00                | 622.01               |
| 140.0        | Alcatel-Lucent TD-RR | 3   | 4.233       | 4.657         | 0.67                  | 0.80 | 10.14                 | 0.000                | 0.000               | 47.20              | 0.00                | 0.00                | 581.37               |
| 140.0        | RFS APXV9TM14-ALU-   | 3   | 4.233       | 4.657         | 0.78                  | 0.80 | 18.47                 | 0.000                | 0.000               | 86.02              | 0.00                | 0.00                | 404.81               |
| 150.0        | Powerwave 7770.00A   | 6   | 4.350       | 4.785         | 0.76                  | 0.80 | 25.58                 | 0.000                | 4.000               | 122.39             | 0.00                | 489.54              | 1,360.91             |
| 150.0        | Andrew ABT-DMDM-     | 6   | 4.350       | 4.785         | 0.50                  | 0.80 | 0.63                  | 0.000                | 4.000               | 3.02               | 0.00                | 12.08               | 67.20                |
| 150.0        | Round Low Profile PI | 1   | 4.318       | 4.749         | 1.00                  | 1.00 | 47.35                 | 0.000                | 0.000               | 224.89             | 0.00                | 0.00                | 2,465.63             |
| 150.0        | KMW AM-X-CD-16-65-   | 3   | 4.350       | 4.785         | 0.79                  | 0.80 | 18.55                 | 0.000                | 4.000               | 88.77              | 0.00                | 355.09              | 981.40               |
| 150.0        | Ericsson RRUS 11 (Ba | 6   | 4.350       | 4.785         | 0.67                  | 0.80 | 11.14                 | 0.000                | 4.000               | 53.33              | 0.00                | 213.33              | 1,065.09             |
|              |                      |     |             |               |                       |      |                       |                      |                     | 1,814.06           |                     |                     | 21,091.32            |



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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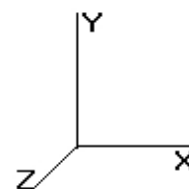
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|                                        |                                   |                               |
|----------------------------------------|-----------------------------------|-------------------------------|
| <b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice | 28 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<br>Elev<br>(ft) | Description     | Exposed<br>To Wind | Length<br>(ft) | Ca    | Exposed<br>Width<br>(in) | Area<br>(sqft) | CaAa<br>(sqft) | qz<br>(psf) | Ra    | Cf<br>Adjust<br>Factor | FX<br>(lb) | Dead<br>Load<br>(lb) |
|-------------------------|-----------------|--------------------|----------------|-------|--------------------------|----------------|----------------|-------------|-------|------------------------|------------|----------------------|
| 6.00                    | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.35           | 1.62           | 2.724       | 0.244 | 0.000                  | 4.86       | 3.48                 |
| 7.00                    | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.36           | 1.63           | 2.724       | 0.247 | 0.000                  | 4.87       | 3.58                 |
| 8.00                    | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.36           | 1.63           | 2.724       | 0.250 | 0.000                  | 4.89       | 3.68                 |
| 9.00                    | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.36           | 1.64           | 2.724       | 0.253 | 0.000                  | 4.90       | 3.77                 |
| 10.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.37           | 1.64           | 2.724       | 0.256 | 0.000                  | 4.91       | 3.85                 |
| 11.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.37           | 1.64           | 2.724       | 0.259 | 0.000                  | 4.92       | 3.92                 |
| 12.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.37           | 1.65           | 2.724       | 0.262 | 0.000                  | 4.93       | 3.99                 |
| 13.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.37           | 1.65           | 2.724       | 0.265 | 0.000                  | 4.94       | 4.06                 |
| 14.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.38           | 1.65           | 2.724       | 0.268 | 0.000                  | 4.95       | 4.12                 |
| 15.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.38           | 1.65           | 2.724       | 0.272 | 0.000                  | 4.95       | 4.17                 |
| 16.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.38           | 1.66           | 2.724       | 0.272 | 0.000                  | 4.96       | 4.23                 |
| 17.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.38           | 1.66           | 2.724       | 0.273 | 0.000                  | 4.97       | 4.28                 |
| 18.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.38           | 1.66           | 2.724       | 0.274 | 0.000                  | 4.98       | 4.33                 |
| 19.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.39           | 1.66           | 2.724       | 0.275 | 0.000                  | 4.98       | 4.38                 |
| 20.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.39           | 1.66           | 2.724       | 0.276 | 0.000                  | 4.99       | 4.42                 |
| 21.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.39           | 1.67           | 2.724       | 0.277 | 0.000                  | 4.99       | 4.46                 |
| 22.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.39           | 1.67           | 2.724       | 0.278 | 0.000                  | 5.00       | 4.51                 |
| 23.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.39           | 1.67           | 2.724       | 0.279 | 0.000                  | 5.00       | 4.55                 |
| 24.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.39           | 1.67           | 2.724       | 0.280 | 0.000                  | 5.01       | 4.59                 |
| 25.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.39           | 1.67           | 2.724       | 0.282 | 0.000                  | 5.01       | 4.62                 |
| 26.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.67           | 2.724       | 0.283 | 0.000                  | 5.02       | 4.66                 |
| 27.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.68           | 2.724       | 0.284 | 0.000                  | 5.02       | 4.69                 |
| 28.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.68           | 2.724       | 0.285 | 0.000                  | 5.03       | 4.73                 |
| 29.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.68           | 2.724       | 0.286 | 0.000                  | 5.03       | 4.76                 |
| 30.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.68           | 2.726       | 0.287 | 0.000                  | 5.04       | 4.79                 |
| 31.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.68           | 2.752       | 0.288 | 0.000                  | 5.09       | 4.83                 |
| 32.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.68           | 2.777       | 0.289 | 0.000                  | 5.14       | 4.86                 |
| 33.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.68           | 2.801       | 0.290 | 0.000                  | 5.19       | 4.89                 |
| 34.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.40           | 1.69           | 2.825       | 0.291 | 0.000                  | 5.24       | 4.92                 |
| 35.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 2.849       | 0.292 | 0.000                  | 5.28       | 4.94                 |
| 36.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 2.872       | 0.293 | 0.000                  | 5.33       | 4.97                 |
| 37.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 2.894       | 0.295 | 0.000                  | 5.38       | 5.00                 |
| 38.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 2.917       | 0.296 | 0.000                  | 5.42       | 5.03                 |
| 39.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 2.938       | 0.297 | 0.000                  | 5.46       | 5.05                 |
| 40.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 2.960       | 0.298 | 0.000                  | 5.51       | 5.08                 |
| 41.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 2.981       | 0.299 | 0.000                  | 5.55       | 5.10                 |
| 42.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 3.001       | 0.300 | 0.000                  | 5.59       | 5.13                 |
| 43.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.69           | 3.021       | 0.302 | 0.000                  | 5.63       | 5.15                 |
| 44.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.70           | 3.041       | 0.303 | 0.000                  | 5.67       | 5.18                 |
| 45.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.70           | 3.061       | 0.304 | 0.000                  | 5.71       | 5.20                 |
| 46.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.41           | 1.70           | 3.080       | 0.305 | 0.000                  | 5.75       | 5.22                 |
| 47.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.099       | 0.306 | 0.000                  | 5.79       | 5.25                 |
| 48.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.118       | 0.308 | 0.000                  | 5.83       | 5.27                 |
| 49.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.136       | 0.309 | 0.000                  | 5.87       | 5.29                 |
| 50.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.155       | 0.310 | 0.000                  | 5.90       | 5.31                 |
| 51.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.172       | 0.311 | 0.000                  | 5.94       | 5.33                 |
| 52.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.190       | 0.313 | 0.000                  | 5.97       | 5.35                 |
| 53.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.207       | 0.314 | 0.000                  | 6.01       | 5.37                 |
| 54.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.225       | 0.315 | 0.000                  | 6.04       | 5.39                 |
| 55.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.70           | 3.242       | 0.317 | 0.000                  | 6.08       | 5.41                 |
| 56.00                   | (2) Seam Flange | Yes                | 1.00           | 1.200 | 12.84                    | 1.42           | 1.71           | 3.258       | 0.315 | 0.000                  | 6.11       | 5.43                 |

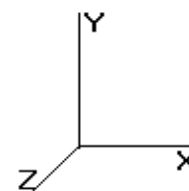


| Load Case: 1.2D + 1.0Di + 1.0Wi |                      |     | 40.00 mph with 1.00 in Radial Ice |       |       |      |      |       |       |       | 28 Iterations                 |       |
|---------------------------------|----------------------|-----|-----------------------------------|-------|-------|------|------|-------|-------|-------|-------------------------------|-------|
| 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         |                      |     |                                   |       |       |      |      |       |       |       |                               |       |
| 57.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.42 | 1.71 | 3.275 | 0.317 | 0.000 | 6.15                          | 5.45  |
| 58.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.42 | 1.71 | 3.291 | 0.318 | 0.000 | 6.18                          | 5.47  |
| 59.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.42 | 1.71 | 3.307 | 0.319 | 0.000 | 6.21                          | 5.49  |
| 60.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.42 | 1.71 | 3.323 | 0.321 | 0.000 | 6.25                          | 5.51  |
| 61.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.42 | 1.71 | 3.339 | 0.322 | 0.000 | 6.28                          | 5.53  |
| 62.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.71 | 3.354 | 0.324 | 0.000 | 6.31                          | 5.54  |
| 63.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.71 | 3.370 | 0.325 | 0.000 | 6.34                          | 5.56  |
| 64.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.71 | 3.385 | 0.326 | 0.000 | 6.37                          | 5.58  |
| 65.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.71 | 3.400 | 0.328 | 0.000 | 6.40                          | 5.60  |
| 66.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.71 | 3.415 | 0.329 | 0.000 | 6.43                          | 5.61  |
| 67.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.71 | 3.430 | 0.331 | 0.000 | 6.46                          | 5.63  |
| 68.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.71 | 3.444 | 0.332 | 0.000 | 6.49                          | 5.65  |
| 69.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.71 | 3.459 | 0.333 | 0.000 | 6.52                          | 5.66  |
| 70.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.473 | 0.335 | 0.000 | 6.55                          | 5.68  |
| 71.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.487 | 0.336 | 0.000 | 6.58                          | 5.70  |
| 72.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.501 | 0.338 | 0.000 | 6.61                          | 5.71  |
| 73.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.515 | 0.339 | 0.000 | 6.64                          | 5.73  |
| 74.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.528 | 0.341 | 0.000 | 6.67                          | 5.74  |
| 75.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.542 | 0.342 | 0.000 | 6.69                          | 5.76  |
| 76.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.555 | 0.344 | 0.000 | 6.72                          | 5.77  |
| 77.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.569 | 0.346 | 0.000 | 6.75                          | 5.79  |
| 78.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.582 | 0.347 | 0.000 | 6.78                          | 5.80  |
| 79.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.595 | 0.349 | 0.000 | 6.80                          | 5.82  |
| 80.00                           | (3) #20 Dywidag Bars | Yes | 1.00                              | 2.000 | 5.00  | 0.78 | 1.56 | 3.608 | 0.487 | 0.000 | 6.20                          | 80.27 |
| 80.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.608 | 0.487 | 0.000 | 6.83                          | 5.83  |
| 81.00                           | (3) #20 Dywidag Bars | Yes | 1.00                              | 2.000 | 5.00  | 0.78 | 1.56 | 3.621 | 0.489 | 0.000 | 6.22                          | 80.30 |
| 81.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.43 | 1.72 | 3.621 | 0.489 | 0.000 | 6.86                          | 5.85  |
| 82.00                           | (3) #20 Dywidag Bars | Yes | 1.00                              | 2.000 | 5.00  | 0.78 | 1.56 | 3.633 | 0.491 | 0.000 | 6.25                          | 80.33 |
| 82.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.44 | 1.72 | 3.633 | 0.491 | 0.000 | 6.88                          | 5.86  |
| 83.00                           | (3) #20 Dywidag Bars | Yes | 1.00                              | 2.000 | 5.00  | 0.78 | 1.56 | 3.646 | 0.494 | 0.000 | 6.27                          | 80.36 |
| 83.00                           | (2) Seam Flange      | Yes | 1.00                              | 1.200 | 12.84 | 1.44 | 1.72 | 3.646 | 0.494 | 0.000 | 6.91                          | 5.88  |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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|                                        |                                   |                               |
|----------------------------------------|-----------------------------------|-------------------------------|
| <b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice | 28 Iterations                 |
| Gust Response Factor : 1.10            | Ice Dead Load Factor : 1.00       | Wind Importance Factor : 1.00 |
| Dead Load Factor : 1.20                |                                   | Ice Importance Factor : 1.00  |
| Wind Load Factor : 1.00                |                                   |                               |

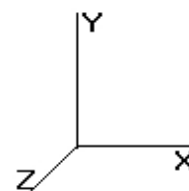
### Applied Segment Forces Summary

| Seg<br>Elev<br>(ft) | Lateral<br>FX (-)<br>(lb) | Axial<br>FY (-)<br>(lb) | Torsion<br>MY<br>(lb-ft) | Moment<br>MZ<br>(lb-ft) |
|---------------------|---------------------------|-------------------------|--------------------------|-------------------------|
| 0.00                | 0.00                      | 0.00                    | 0.00                     | 0.00                    |
| 1.00                | 17.48                     | 621.29                  | 0.00                     | 0.00                    |
| 2.00                | 17.36                     | 621.96                  | 0.00                     | 0.00                    |
| 3.00                | 17.22                     | 619.73                  | 0.00                     | 0.00                    |
| 4.00                | 17.07                     | 616.24                  | 0.00                     | 0.00                    |
| 5.00                | 16.92                     | 612.03                  | 0.00                     | 0.00                    |
| 6.00                | 21.62                     | 659.08                  | 0.00                     | 0.00                    |
| 7.00                | 21.48                     | 654.16                  | 0.00                     | 0.00                    |
| 8.00                | 21.33                     | 648.98                  | 0.00                     | 0.00                    |
| 9.00                | 21.18                     | 643.59                  | 0.00                     | 0.00                    |
| 10.00               | 21.02                     | 638.03                  | 0.00                     | 0.00                    |
| 11.00               | 20.87                     | 632.34                  | 0.00                     | 0.00                    |
| 12.00               | 20.71                     | 626.53                  | 0.00                     | 0.00                    |
| 13.00               | 20.55                     | 620.61                  | 0.00                     | 0.00                    |
| 14.00               | 20.39                     | 614.61                  | 0.00                     | 0.00                    |
| 15.00               | 20.23                     | 608.54                  | 0.00                     | 0.00                    |
| 16.00               | 20.20                     | 571.65                  | 0.00                     | 0.00                    |
| 17.00               | 20.16                     | 570.56                  | 0.00                     | 0.00                    |
| 18.00               | 20.12                     | 569.42                  | 0.00                     | 0.00                    |
| 19.00               | 20.08                     | 568.25                  | 0.00                     | 0.00                    |
| 20.00               | 20.04                     | 567.04                  | 0.00                     | 0.00                    |
| 21.00               | 20.01                     | 565.79                  | 0.00                     | 0.00                    |
| 22.00               | 19.97                     | 564.52                  | 0.00                     | 0.00                    |
| 23.00               | 19.93                     | 563.22                  | 0.00                     | 0.00                    |
| 24.00               | 19.89                     | 561.89                  | 0.00                     | 0.00                    |
| 25.00               | 19.84                     | 560.55                  | 0.00                     | 0.00                    |
| 26.00               | 19.80                     | 559.17                  | 0.00                     | 0.00                    |
| 27.00               | 19.76                     | 557.78                  | 0.00                     | 0.00                    |
| 28.00               | 19.72                     | 556.37                  | 0.00                     | 0.00                    |
| 29.00               | 19.68                     | 554.95                  | 0.00                     | 0.00                    |
| 30.00               | 19.65                     | 553.50                  | 0.00                     | 0.00                    |
| 31.00               | 19.79                     | 552.04                  | 0.00                     | 0.00                    |
| 32.00               | 19.93                     | 550.57                  | 0.00                     | 0.00                    |
| 33.00               | 20.06                     | 549.08                  | 0.00                     | 0.00                    |
| 34.00               | 20.19                     | 547.58                  | 0.00                     | 0.00                    |
| 35.00               | 20.31                     | 546.06                  | 0.00                     | 0.00                    |
| 36.00               | 20.43                     | 544.54                  | 0.00                     | 0.00                    |
| 37.00               | 20.54                     | 543.00                  | 0.00                     | 0.00                    |
| 38.00               | 20.65                     | 541.45                  | 0.00                     | 0.00                    |
| 39.00               | 20.76                     | 539.90                  | 0.00                     | 0.00                    |
| 40.00               | 20.86                     | 538.33                  | 0.00                     | 0.00                    |
| 41.00               | 20.96                     | 536.75                  | 0.00                     | 0.00                    |
| 42.00               | 21.06                     | 535.17                  | 0.00                     | 0.00                    |
| 43.00               | 21.15                     | 533.57                  | 0.00                     | 0.00                    |
| 44.00               | 21.24                     | 531.97                  | 0.00                     | 0.00                    |
| 45.00               | 21.33                     | 530.36                  | 0.00                     | 0.00                    |
| 46.00               | 21.41                     | 528.74                  | 0.00                     | 0.00                    |
| 47.00               | 21.49                     | 527.11                  | 0.00                     | 0.00                    |
| 48.00               | 21.57                     | 525.48                  | 0.00                     | 0.00                    |
| 49.00               | 21.64                     | 523.84                  | 0.00                     | 0.00                    |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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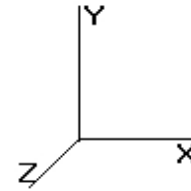
|                                        |                                   |                               |
|----------------------------------------|-----------------------------------|-------------------------------|
| <b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice | 28 Iterations                 |
| Gust Response Factor : 1.10            | Ice Dead Load Factor : 1.00       | Wind Importance Factor : 1.00 |
| Dead Load Factor : 1.20                |                                   | Ice Importance Factor : 1.00  |
| Wind Load Factor : 1.00                |                                   |                               |

|       |       |        |      |      |
|-------|-------|--------|------|------|
| 50.00 | 21.72 | 522.19 | 0.00 | 0.00 |
| 51.00 | 21.79 | 520.54 | 0.00 | 0.00 |
| 52.00 | 21.85 | 518.88 | 0.00 | 0.00 |
| 53.00 | 21.92 | 517.22 | 0.00 | 0.00 |
| 54.00 | 21.98 | 515.55 | 0.00 | 0.00 |
| 55.00 | 22.04 | 513.87 | 0.00 | 0.00 |
| 56.00 | 22.21 | 484.48 | 0.00 | 0.00 |
| 57.00 | 22.27 | 482.92 | 0.00 | 0.00 |
| 58.00 | 22.33 | 481.36 | 0.00 | 0.00 |
| 59.00 | 22.38 | 479.79 | 0.00 | 0.00 |
| 60.00 | 22.43 | 478.21 | 0.00 | 0.00 |
| 61.00 | 22.48 | 476.63 | 0.00 | 0.00 |
| 62.00 | 22.53 | 475.05 | 0.00 | 0.00 |
| 63.00 | 22.57 | 473.46 | 0.00 | 0.00 |
| 64.00 | 22.62 | 471.87 | 0.00 | 0.00 |
| 65.00 | 22.66 | 470.27 | 0.00 | 0.00 |
| 66.00 | 22.70 | 468.67 | 0.00 | 0.00 |
| 67.00 | 22.74 | 467.06 | 0.00 | 0.00 |
| 68.00 | 22.78 | 465.45 | 0.00 | 0.00 |
| 69.00 | 22.81 | 463.84 | 0.00 | 0.00 |
| 70.00 | 22.85 | 462.22 | 0.00 | 0.00 |
| 71.00 | 22.88 | 460.60 | 0.00 | 0.00 |
| 72.00 | 22.91 | 458.98 | 0.00 | 0.00 |
| 73.00 | 22.94 | 457.35 | 0.00 | 0.00 |
| 74.00 | 22.97 | 455.72 | 0.00 | 0.00 |
| 75.00 | 23.65 | 436.45 | 0.00 | 0.00 |
| 76.00 | 23.02 | 394.87 | 0.00 | 0.00 |
| 77.00 | 23.04 | 393.50 | 0.00 | 0.00 |
| 78.00 | 23.07 | 392.12 | 0.00 | 0.00 |
| 79.00 | 23.09 | 390.74 | 0.00 | 0.00 |
| 80.00 | 29.31 | 469.63 | 0.00 | 0.00 |
| 81.00 | 29.35 | 468.28 | 0.00 | 0.00 |
| 82.00 | 29.39 | 466.92 | 0.00 | 0.00 |
| 83.00 | 29.44 | 465.56 | 0.00 | 0.00 |
| 84.00 | 29.48 | 464.20 | 0.00 | 0.00 |
| 84.67 | 19.76 | 310.28 | 0.00 | 0.00 |
| 85.00 | 9.73  | 169.15 | 0.00 | 0.00 |
| 86.00 | 12.33 | 338.08 | 0.00 | 0.00 |
| 87.00 | 12.31 | 337.22 | 0.00 | 0.00 |
| 88.00 | 12.28 | 336.37 | 0.00 | 0.00 |
| 89.00 | 12.26 | 335.51 | 0.00 | 0.00 |
| 90.00 | 12.23 | 334.65 | 0.00 | 0.00 |
| 91.00 | 12.20 | 333.79 | 0.00 | 0.00 |
| 92.00 | 12.18 | 332.93 | 0.00 | 0.00 |
| 93.00 | 18.66 | 332.06 | 0.00 | 0.00 |
| 94.00 | 18.66 | 331.19 | 0.00 | 0.00 |
| 95.00 | 18.65 | 330.32 | 0.00 | 0.00 |
| 95.44 | 8.20  | 145.11 | 0.00 | 0.00 |
| 96.00 | 10.43 | 156.37 | 0.00 | 0.00 |
| 97.00 | 18.63 | 278.48 | 0.00 | 0.00 |
| 98.00 | 18.63 | 277.60 | 0.00 | 0.00 |
| 99.00 | 18.61 | 276.72 | 0.00 | 0.00 |
| 100.0 | 18.60 | 275.84 | 0.00 | 0.00 |
| 101.0 | 11.89 | 194.12 | 0.00 | 0.00 |
| 102.0 | 11.86 | 193.21 | 0.00 | 0.00 |
| 103.0 | 11.82 | 192.30 | 0.00 | 0.00 |
| 104.0 | 11.79 | 191.39 | 0.00 | 0.00 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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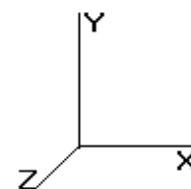
|                                        |                                   |                               |
|----------------------------------------|-----------------------------------|-------------------------------|
| <b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice | 28 Iterations                 |
| Gust Response Factor : 1.10            | Ice Dead Load Factor : 1.00       | Wind Importance Factor : 1.00 |
| Dead Load Factor : 1.20                |                                   | Ice Importance Factor : 1.00  |
| Wind Load Factor : 1.00                |                                   |                               |

|         |          |           |      |          |
|---------|----------|-----------|------|----------|
| 105.0   | 11.75    | 190.47    | 0.00 | 0.00     |
| 106.0   | 11.71    | 189.56    | 0.00 | 0.00     |
| 107.0   | 11.68    | 188.64    | 0.00 | 0.00     |
| 108.0   | 11.64    | 187.73    | 0.00 | 0.00     |
| 109.0   | 11.60    | 186.81    | 0.00 | 0.00     |
| 110.0   | 347.37   | 4,629.48  | 0.00 | 0.00     |
| 111.0   | 11.52    | 156.14    | 0.00 | 0.00     |
| 112.0   | 11.48    | 155.36    | 0.00 | 0.00     |
| 113.0   | 11.44    | 154.58    | 0.00 | 0.00     |
| 114.0   | 11.40    | 153.80    | 0.00 | 0.00     |
| 115.0   | 11.36    | 153.02    | 0.00 | 0.00     |
| 116.0   | 11.32    | 152.24    | 0.00 | 0.00     |
| 117.0   | 11.28    | 151.46    | 0.00 | 0.00     |
| 118.0   | 11.23    | 150.68    | 0.00 | 0.00     |
| 119.0   | 11.19    | 149.89    | 0.00 | 0.00     |
| 120.0   | 11.15    | 149.10    | 0.00 | 0.00     |
| 121.0   | 11.10    | 148.32    | 0.00 | 0.00     |
| 122.0   | 11.06    | 147.53    | 0.00 | 0.00     |
| 123.0   | 11.01    | 146.74    | 0.00 | 0.00     |
| 124.0   | 10.97    | 145.95    | 0.00 | 0.00     |
| 125.0   | 10.92    | 145.15    | 0.00 | 0.00     |
| 126.0   | 10.87    | 144.36    | 0.00 | 0.00     |
| 127.0   | 10.83    | 143.57    | 0.00 | 0.00     |
| 128.0   | 10.78    | 142.77    | 0.00 | 0.00     |
| 129.0   | 10.73    | 141.97    | 0.00 | 0.00     |
| 130.0   | 544.00   | 5,963.98  | 0.00 | 638.20   |
| 131.0   | 10.63    | 128.57    | 0.00 | 0.00     |
| 132.0   | 10.59    | 127.77    | 0.00 | 0.00     |
| 133.0   | 10.54    | 126.97    | 0.00 | 0.00     |
| 134.0   | 10.49    | 126.17    | 0.00 | 0.00     |
| 135.0   | 10.43    | 125.37    | 0.00 | 0.00     |
| 136.0   | 10.38    | 124.56    | 0.00 | 0.00     |
| 137.0   | 10.33    | 123.76    | 0.00 | 0.00     |
| 138.0   | 10.28    | 122.95    | 0.00 | 0.00     |
| 139.0   | 10.23    | 122.14    | 0.00 | 0.00     |
| 140.0   | 462.04   | 5,023.67  | 0.00 | 0.00     |
| 141.0   | 10.12    | 115.73    | 0.00 | 0.00     |
| 142.0   | 10.07    | 114.92    | 0.00 | 0.00     |
| 143.0   | 10.01    | 114.11    | 0.00 | 0.00     |
| 144.0   | 9.96     | 113.30    | 0.00 | 0.00     |
| 145.0   | 9.90     | 112.48    | 0.00 | 0.00     |
| 146.0   | 9.85     | 111.67    | 0.00 | 0.00     |
| 147.0   | 9.79     | 110.85    | 0.00 | 0.00     |
| 148.0   | 9.74     | 110.04    | 0.00 | 0.00     |
| 149.0   | 9.68     | 109.22    | 0.00 | 0.00     |
| 150.0   | 502.03   | 6,048.63  | 0.00 | 1,070.04 |
| Totals: | 4,434.07 | 78,077.26 | 0.00 | 1,708.24 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
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|                                        |                                   |                               |
|----------------------------------------|-----------------------------------|-------------------------------|
| <b>Load Case:</b> 1.2D + 1.0Di + 1.0Wi | 40.00 mph with 1.00 in Radial Ice | 28 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

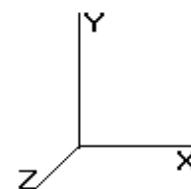
| Seg<br>Elev<br>(ft) | Pu<br>FY (-)<br>(kips) | Vu<br>FX (-)<br>(kips) | Tu<br>MY<br>(ft-kips) | Mu<br>MZ<br>(ft-kips) | Mu<br>MX<br>(ft-kips) | Resultant<br>Moment<br>(ft-kips) | phi<br>Pn<br>(kips) | phi<br>Vn<br>(kips) | phi<br>Tn<br>(ft-kips) | phi<br>Mn<br>(ft-kips) | Total<br>Deflect<br>(in) | Rotation<br>(deg) | Ratio |
|---------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|---------------------|---------------------|------------------------|------------------------|--------------------------|-------------------|-------|
| 0.00                | -78.08                 | -4.43                  | 0.00                  | -446.05               | 0.00                  | 446.05                           | 5,589.22            | 2,794.61            | 12,188.1               | 6,019.28               | 0.00                     | 0.00              | 0.088 |
| 1.00                | -77.46                 | -4.42                  | 0.00                  | -441.61               | 0.00                  | 441.61                           | 5,529.59            | 2,764.80            | 11,927.7               | 5,890.65               | 0.00                     | 0.00              | 0.089 |
| 2.00                | -76.83                 | -4.41                  | 0.00                  | -437.19               | 0.00                  | 437.19                           | 5,469.96            | 2,734.98            | 11,670.0               | 5,763.42               | 0.00                     | -0.01             | 0.090 |
| 3.00                | -76.21                 | -4.39                  | 0.00                  | -432.79               | 0.00                  | 432.79                           | 5,410.34            | 2,705.17            | 11,415.2               | 5,637.57               | 0.00                     | -0.01             | 0.091 |
| 4.00                | -75.60                 | -4.38                  | 0.00                  | -428.39               | 0.00                  | 428.39                           | 5,350.71            | 2,675.36            | 11,163.2               | 5,513.11               | 0.00                     | -0.01             | 0.092 |
| 5.00                | -74.98                 | -4.37                  | 0.00                  | -424.02               | 0.00                  | 424.02                           | 5,291.09            | 2,645.54            | 10,914.0               | 5,390.04               | 0.01                     | -0.01             | 0.093 |
| 6.00                | -74.33                 | -4.35                  | 0.00                  | -419.65               | 0.00                  | 419.65                           | 5,231.46            | 2,615.73            | 10,667.6               | 5,268.37               | 0.01                     | -0.02             | 0.094 |
| 7.00                | -73.67                 | -4.33                  | 0.00                  | -415.30               | 0.00                  | 415.30                           | 5,171.84            | 2,585.92            | 10,424.1               | 5,148.08               | 0.01                     | -0.02             | 0.095 |
| 8.00                | -73.02                 | -4.31                  | 0.00                  | -410.97               | 0.00                  | 410.97                           | 5,112.21            | 2,556.11            | 10,183.3               | 5,029.18               | 0.02                     | -0.02             | 0.096 |
| 9.00                | -72.38                 | -4.30                  | 0.00                  | -406.65               | 0.00                  | 406.65                           | 5,052.58            | 2,526.29            | 9,945.41               | 4,911.66               | 0.02                     | -0.03             | 0.097 |
| 10.00               | -71.74                 | -4.28                  | 0.00                  | -402.36               | 0.00                  | 402.36                           | 4,992.96            | 2,496.48            | 9,710.28               | 4,795.54               | 0.03                     | -0.03             | 0.098 |
| 11.00               | -71.11                 | -4.26                  | 0.00                  | -398.08               | 0.00                  | 398.08                           | 4,933.33            | 2,466.67            | 9,477.97               | 4,680.81               | 0.04                     | -0.03             | 0.099 |
| 12.00               | -70.48                 | -4.25                  | 0.00                  | -393.82               | 0.00                  | 393.82                           | 4,873.71            | 2,436.85            | 9,248.46               | 4,567.47               | 0.05                     | -0.04             | 0.101 |
| 13.00               | -69.86                 | -4.23                  | 0.00                  | -389.57               | 0.00                  | 389.57                           | 4,814.08            | 2,407.04            | 9,021.78               | 4,455.52               | 0.05                     | -0.04             | 0.102 |
| 14.00               | -69.24                 | -4.21                  | 0.00                  | -385.34               | 0.00                  | 385.34                           | 4,754.46            | 2,377.23            | 8,797.90               | 4,344.95               | 0.06                     | -0.04             | 0.103 |
| 15.00               | -68.64                 | -4.20                  | 0.00                  | -381.13               | 0.00                  | 381.13                           | 4,694.83            | 2,347.42            | 8,576.84               | 4,235.78               | 0.07                     | -0.05             | 0.105 |
| 15.00               | -68.64                 | -4.20                  | 0.00                  | -381.13               | 0.00                  | 381.13                           | 4,521.17            | 2,260.59            | 8,321.30               | 4,109.58               | 0.07                     | -0.05             | 0.108 |
| 16.00               | -68.06                 | -4.18                  | 0.00                  | -376.93               | 0.00                  | 376.93                           | 4,504.82            | 2,252.41            | 8,260.75               | 4,079.67               | 0.08                     | -0.05             | 0.108 |
| 17.00               | -67.49                 | -4.17                  | 0.00                  | -372.75               | 0.00                  | 372.75                           | 4,488.46            | 2,244.23            | 8,200.41               | 4,049.87               | 0.09                     | -0.06             | 0.107 |
| 18.00               | -66.92                 | -4.15                  | 0.00                  | -368.58               | 0.00                  | 368.58                           | 4,472.10            | 2,236.05            | 8,140.29               | 4,020.18               | 0.11                     | -0.06             | 0.107 |
| 19.00               | -66.35                 | -4.13                  | 0.00                  | -364.43               | 0.00                  | 364.43                           | 4,455.74            | 2,227.87            | 8,080.40               | 3,990.60               | 0.12                     | -0.07             | 0.106 |
| 20.00               | -65.79                 | -4.12                  | 0.00                  | -360.30               | 0.00                  | 360.30                           | 4,439.38            | 2,219.69            | 8,020.72               | 3,961.13               | 0.13                     | -0.07             | 0.106 |
| 21.00               | -65.22                 | -4.10                  | 0.00                  | -356.18               | 0.00                  | 356.18                           | 4,423.02            | 2,211.51            | 7,961.27               | 3,931.77               | 0.15                     | -0.07             | 0.105 |
| 22.00               | -64.66                 | -4.09                  | 0.00                  | -352.08               | 0.00                  | 352.08                           | 4,406.67            | 2,203.33            | 7,902.04               | 3,902.52               | 0.16                     | -0.08             | 0.105 |
| 23.00               | -64.09                 | -4.07                  | 0.00                  | -347.99               | 0.00                  | 347.99                           | 4,390.31            | 2,195.15            | 7,843.03               | 3,873.38               | 0.18                     | -0.08             | 0.104 |
| 24.00               | -63.53                 | -4.05                  | 0.00                  | -343.92               | 0.00                  | 343.92                           | 4,373.95            | 2,186.97            | 7,784.24               | 3,844.34               | 0.20                     | -0.09             | 0.104 |
| 25.00               | -62.97                 | -4.04                  | 0.00                  | -339.87               | 0.00                  | 339.87                           | 4,357.59            | 2,178.80            | 7,725.67               | 3,815.42               | 0.22                     | -0.09             | 0.104 |
| 26.00               | -62.41                 | -4.02                  | 0.00                  | -335.83               | 0.00                  | 335.83                           | 4,341.23            | 2,170.62            | 7,667.32               | 3,786.60               | 0.24                     | -0.09             | 0.103 |
| 27.00               | -61.85                 | -4.01                  | 0.00                  | -331.81               | 0.00                  | 331.81                           | 4,324.87            | 2,162.44            | 7,609.20               | 3,757.90               | 0.26                     | -0.10             | 0.103 |
| 28.00               | -61.30                 | -3.99                  | 0.00                  | -327.81               | 0.00                  | 327.81                           | 4,308.52            | 2,154.26            | 7,551.29               | 3,729.30               | 0.28                     | -0.10             | 0.102 |
| 29.00               | -60.74                 | -3.97                  | 0.00                  | -323.82               | 0.00                  | 323.82                           | 4,292.16            | 2,146.08            | 7,493.61               | 3,700.81               | 0.30                     | -0.11             | 0.102 |
| 30.00               | -60.19                 | -3.96                  | 0.00                  | -319.84               | 0.00                  | 319.84                           | 4,275.80            | 2,137.90            | 7,436.15               | 3,672.43               | 0.32                     | -0.11             | 0.101 |
| 31.00               | -59.63                 | -3.94                  | 0.00                  | -315.89               | 0.00                  | 315.89                           | 4,259.44            | 2,129.72            | 7,378.91               | 3,644.16               | 0.35                     | -0.12             | 0.101 |
| 32.00               | -59.08                 | -3.92                  | 0.00                  | -311.95               | 0.00                  | 311.95                           | 4,243.08            | 2,121.54            | 7,321.89               | 3,616.00               | 0.37                     | -0.12             | 0.100 |
| 33.00               | -58.53                 | -3.91                  | 0.00                  | -308.02               | 0.00                  | 308.02                           | 4,226.72            | 2,113.36            | 7,265.09               | 3,587.95               | 0.40                     | -0.12             | 0.100 |
| 34.00               | -57.99                 | -3.89                  | 0.00                  | -304.12               | 0.00                  | 304.12                           | 4,210.37            | 2,105.18            | 7,208.51               | 3,560.01               | 0.42                     | -0.13             | 0.099 |
| 35.00               | -57.44                 | -3.87                  | 0.00                  | -300.23               | 0.00                  | 300.23                           | 4,194.01            | 2,097.00            | 7,152.15               | 3,532.18               | 0.45                     | -0.13             | 0.099 |
| 36.00               | -56.90                 | -3.85                  | 0.00                  | -296.36               | 0.00                  | 296.36                           | 4,177.65            | 2,088.82            | 7,096.02               | 3,504.46               | 0.48                     | -0.14             | 0.098 |
| 37.00               | -56.35                 | -3.84                  | 0.00                  | -292.50               | 0.00                  | 292.50                           | 4,161.29            | 2,080.65            | 7,040.10               | 3,476.84               | 0.51                     | -0.14             | 0.098 |
| 38.00               | -55.81                 | -3.82                  | 0.00                  | -288.66               | 0.00                  | 288.66                           | 4,144.93            | 2,072.47            | 6,984.41               | 3,449.34               | 0.54                     | -0.14             | 0.097 |
| 39.00               | -55.27                 | -3.80                  | 0.00                  | -284.85               | 0.00                  | 284.85                           | 4,128.57            | 2,064.29            | 6,928.94               | 3,421.94               | 0.57                     | -0.15             | 0.097 |
| 40.00               | -54.73                 | -3.78                  | 0.00                  | -281.05               | 0.00                  | 281.05                           | 4,112.22            | 2,056.11            | 6,873.69               | 3,394.66               | 0.60                     | -0.15             | 0.096 |
| 41.00               | -54.20                 | -3.76                  | 0.00                  | -277.26               | 0.00                  | 277.26                           | 4,095.86            | 2,047.93            | 6,818.66               | 3,367.48               | 0.63                     | -0.16             | 0.096 |
| 42.00               | -53.66                 | -3.75                  | 0.00                  | -273.50               | 0.00                  | 273.50                           | 4,079.50            | 2,039.75            | 6,763.85               | 3,340.41               | 0.67                     | -0.16             | 0.095 |
| 43.00               | -53.13                 | -3.73                  | 0.00                  | -269.75               | 0.00                  | 269.75                           | 4,063.14            | 2,031.57            | 6,709.27               | 3,313.46               | 0.70                     | -0.17             | 0.094 |
| 44.00               | -52.59                 | -3.71                  | 0.00                  | -266.03               | 0.00                  | 266.03                           | 4,046.78            | 2,023.39            | 6,654.90               | 3,286.61               | 0.74                     | -0.17             | 0.094 |
| 45.00               | -52.06                 | -3.69                  | 0.00                  | -262.32               | 0.00                  | 262.32                           | 4,030.42            | 2,015.21            | 6,600.76               | 3,259.87               | 0.77                     | -0.17             | 0.093 |
| 46.00               | -51.53                 | -3.67                  | 0.00                  | -258.63               | 0.00                  | 258.63                           | 4,014.07            | 2,007.03            | 6,546.84               | 3,233.24               | 0.81                     | -0.18             | 0.093 |
| 47.00               | -51.01                 | -3.65                  | 0.00                  | -254.97               | 0.00                  | 254.97                           | 3,997.71            | 1,998.85            | 6,493.13               | 3,206.71               | 0.85                     | -0.18             | 0.092 |
| 48.00               | -50.48                 | -3.63                  | 0.00                  | -251.32               | 0.00                  | 251.32                           | 3,981.35            | 1,990.67            | 6,439.65               | 3,180.30               | 0.88                     | -0.19             | 0.092 |
| 49.00               | -49.96                 | -3.61                  | 0.00                  | -247.69               | 0.00                  | 247.69                           | 3,964.99            | 1,982.50            | 6,386.39               | 3,154.00               | 0.92                     | -0.19             | 0.091 |



Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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6/6/2014 2:40:45 PM

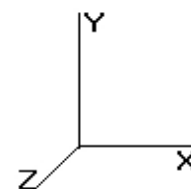
Page: 40

| Load Case: 1.2D + 1.0Di + 1.0Wi |        |       |      |                             |      | 40.00 mph with 1.00 in Radial Ice |          |                               |          |          |      | 28 Iterations |       |  |
|---------------------------------|--------|-------|------|-----------------------------|------|-----------------------------------|----------|-------------------------------|----------|----------|------|---------------|-------|--|
| Gust Response Factor : 1.10     |        |       |      | Ice Dead Load Factor : 1.00 |      |                                   |          | Wind Importance Factor : 1.00 |          |          |      |               |       |  |
| Dead Load Factor : 1.20         |        |       |      |                             |      |                                   |          | Ice Importance Factor : 1.00  |          |          |      |               |       |  |
| Wind Load Factor : 1.00         |        |       |      |                             |      |                                   |          |                               |          |          |      |               |       |  |
| 50.00                           | -49.44 | -3.59 | 0.00 | -244.08                     | 0.00 | 244.08                            | 3,948.63 | 1,974.32                      | 6,333.36 | 3,127.81 | 0.96 | -0.19         | 0.091 |  |
| 51.00                           | -48.91 | -3.57 | 0.00 | -240.49                     | 0.00 | 240.49                            | 3,932.27 | 1,966.14                      | 6,280.54 | 3,101.72 | 1.00 | -0.20         | 0.090 |  |
| 52.00                           | -48.40 | -3.55 | 0.00 | -236.92                     | 0.00 | 236.92                            | 3,915.92 | 1,957.96                      | 6,227.94 | 3,075.75 | 1.05 | -0.20         | 0.089 |  |
| 53.00                           | -47.88 | -3.53 | 0.00 | -233.37                     | 0.00 | 233.37                            | 3,899.56 | 1,949.78                      | 6,175.57 | 3,049.88 | 1.09 | -0.21         | 0.089 |  |
| 54.00                           | -47.36 | -3.51 | 0.00 | -229.84                     | 0.00 | 229.84                            | 3,883.20 | 1,941.60                      | 6,123.42 | 3,024.13 | 1.13 | -0.21         | 0.088 |  |
| 55.00                           | -46.85 | -3.49 | 0.00 | -226.33                     | 0.00 | 226.33                            | 3,866.84 | 1,933.42                      | 6,071.48 | 2,998.48 | 1.18 | -0.21         | 0.088 |  |
| 55.00                           | -46.85 | -3.49 | 0.00 | -226.33                     | 0.00 | 226.33                            | 3,220.97 | 1,610.49                      | 5,114.03 | 2,525.63 | 1.18 | -0.21         | 0.104 |  |
| 56.00                           | -46.36 | -3.47 | 0.00 | -222.85                     | 0.00 | 222.85                            | 3,207.40 | 1,603.70                      | 5,070.70 | 2,504.23 | 1.22 | -0.22         | 0.103 |  |
| 57.00                           | -45.88 | -3.45 | 0.00 | -219.38                     | 0.00 | 219.38                            | 3,193.84 | 1,596.92                      | 5,027.55 | 2,482.92 | 1.27 | -0.22         | 0.103 |  |
| 58.00                           | -45.40 | -3.43 | 0.00 | -215.93                     | 0.00 | 215.93                            | 3,180.27 | 1,590.13                      | 4,984.58 | 2,461.70 | 1.32 | -0.23         | 0.102 |  |
| 59.00                           | -44.92 | -3.40 | 0.00 | -212.51                     | 0.00 | 212.51                            | 3,166.70 | 1,583.35                      | 4,941.80 | 2,440.57 | 1.36 | -0.23         | 0.101 |  |
| 60.00                           | -44.44 | -3.38 | 0.00 | -209.10                     | 0.00 | 209.10                            | 3,153.13 | 1,576.57                      | 4,899.21 | 2,419.54 | 1.41 | -0.23         | 0.101 |  |
| 61.00                           | -43.96 | -3.36 | 0.00 | -205.72                     | 0.00 | 205.72                            | 3,139.57 | 1,569.78                      | 4,856.80 | 2,398.59 | 1.46 | -0.24         | 0.100 |  |
| 62.00                           | -43.49 | -3.34 | 0.00 | -202.36                     | 0.00 | 202.36                            | 3,126.00 | 1,563.00                      | 4,814.57 | 2,377.74 | 1.51 | -0.24         | 0.099 |  |
| 63.00                           | -43.02 | -3.32 | 0.00 | -199.02                     | 0.00 | 199.02                            | 3,112.43 | 1,556.21                      | 4,772.53 | 2,356.97 | 1.56 | -0.25         | 0.098 |  |
| 64.00                           | -42.54 | -3.30 | 0.00 | -195.70                     | 0.00 | 195.70                            | 3,098.86 | 1,549.43                      | 4,730.67 | 2,336.30 | 1.62 | -0.25         | 0.097 |  |
| 65.00                           | -42.07 | -3.28 | 0.00 | -192.40                     | 0.00 | 192.40                            | 3,085.29 | 1,542.65                      | 4,689.00 | 2,315.72 | 1.67 | -0.26         | 0.097 |  |
| 66.00                           | -41.60 | -3.25 | 0.00 | -189.12                     | 0.00 | 189.12                            | 3,071.73 | 1,535.86                      | 4,647.51 | 2,295.23 | 1.72 | -0.26         | 0.096 |  |
| 67.00                           | -41.14 | -3.23 | 0.00 | -185.87                     | 0.00 | 185.87                            | 3,058.16 | 1,529.08                      | 4,606.20 | 2,274.83 | 1.78 | -0.26         | 0.095 |  |
| 68.00                           | -40.67 | -3.21 | 0.00 | -182.64                     | 0.00 | 182.64                            | 3,044.59 | 1,522.30                      | 4,565.08 | 2,254.52 | 1.83 | -0.27         | 0.094 |  |
| 69.00                           | -40.21 | -3.19 | 0.00 | -179.43                     | 0.00 | 179.43                            | 3,031.02 | 1,515.51                      | 4,524.15 | 2,234.31 | 1.89 | -0.27         | 0.094 |  |
| 70.00                           | -39.74 | -3.17 | 0.00 | -176.24                     | 0.00 | 176.24                            | 3,017.46 | 1,508.73                      | 4,483.40 | 2,214.18 | 1.95 | -0.28         | 0.093 |  |
| 71.00                           | -39.28 | -3.14 | 0.00 | -173.07                     | 0.00 | 173.07                            | 3,003.89 | 1,501.94                      | 4,442.83 | 2,194.15 | 2.01 | -0.28         | 0.092 |  |
| 72.00                           | -38.83 | -3.12 | 0.00 | -169.93                     | 0.00 | 169.93                            | 2,990.32 | 1,495.16                      | 4,402.45 | 2,174.20 | 2.06 | -0.28         | 0.091 |  |
| 73.00                           | -38.37 | -3.10 | 0.00 | -166.81                     | 0.00 | 166.81                            | 2,976.75 | 1,488.38                      | 4,362.25 | 2,154.35 | 2.12 | -0.29         | 0.090 |  |
| 74.00                           | -37.91 | -3.08 | 0.00 | -163.71                     | 0.00 | 163.71                            | 2,963.19 | 1,481.59                      | 4,322.24 | 2,134.59 | 2.19 | -0.29         | 0.089 |  |
| 75.00                           | -37.48 | -3.05 | 0.00 | -160.64                     | 0.00 | 160.64                            | 2,949.62 | 1,474.81                      | 4,282.41 | 2,114.92 | 2.25 | -0.30         | 0.089 |  |
| 75.00                           | -37.48 | -3.05 | 0.00 | -160.64                     | 0.00 | 160.64                            | 2,628.21 | 1,314.11                      | 3,842.67 | 1,897.75 | 2.25 | -0.30         | 0.099 |  |
| 76.00                           | -37.08 | -3.03 | 0.00 | -157.58                     | 0.00 | 157.58                            | 2,616.17 | 1,308.08                      | 3,807.28 | 1,880.27 | 2.31 | -0.30         | 0.098 |  |
| 77.00                           | -36.69 | -3.01 | 0.00 | -154.55                     | 0.00 | 154.55                            | 2,604.12 | 1,302.06                      | 3,772.05 | 1,862.87 | 2.37 | -0.30         | 0.097 |  |
| 78.00                           | -36.29 | -2.99 | 0.00 | -151.55                     | 0.00 | 151.55                            | 2,592.07 | 1,296.04                      | 3,736.99 | 1,845.56 | 2.44 | -0.31         | 0.096 |  |
| 79.00                           | -35.90 | -2.96 | 0.00 | -148.56                     | 0.00 | 148.56                            | 2,580.03 | 1,290.01                      | 3,702.09 | 1,828.32 | 2.50 | -0.31         | 0.095 |  |
| 80.00                           | -35.43 | -2.94 | 0.00 | -145.60                     | 0.00 | 145.60                            | 2,567.98 | 1,283.99                      | 3,667.36 | 1,811.17 | 2.57 | -0.32         | 0.094 |  |
| 81.00                           | -34.97 | -2.91 | 0.00 | -142.66                     | 0.00 | 142.66                            | 2,555.93 | 1,277.97                      | 3,632.78 | 1,794.10 | 2.64 | -0.32         | 0.093 |  |
| 82.00                           | -34.50 | -2.88 | 0.00 | -139.76                     | 0.00 | 139.76                            | 2,543.88 | 1,271.94                      | 3,598.38 | 1,777.10 | 2.70 | -0.33         | 0.092 |  |
| 83.00                           | -34.03 | -2.85 | 0.00 | -136.88                     | 0.00 | 136.88                            | 2,531.84 | 1,265.92                      | 3,564.13 | 1,760.19 | 2.77 | -0.33         | 0.091 |  |
| 84.00                           | -33.57 | -2.82 | 0.00 | -134.03                     | 0.00 | 134.03                            | 2,519.79 | 1,259.89                      | 3,530.05 | 1,743.36 | 2.84 | -0.34         | 0.090 |  |
| 84.67                           | -33.26 | -2.80 | 0.00 | -132.14                     | 0.00 | 132.14                            | 2,511.72 | 1,255.86                      | 3,507.31 | 1,732.13 | 2.89 | -0.34         | 0.090 |  |
| 85.00                           | -33.09 | -2.79 | 0.00 | -131.22                     | 0.00 | 131.22                            | 2,507.74 | 1,253.87                      | 3,496.14 | 1,726.61 | 2.92 | -0.34         | 0.058 |  |
| 85.00                           | -33.09 | -2.79 | 0.00 | -131.22                     | 0.00 | 131.22                            | 1,414.25 | 707.13                        | 1,455.35 | 718.74   | 2.92 | -0.34         | 0.060 |  |
| 86.00                           | -32.75 | -2.78 | 0.00 | -128.43                     | 0.00 | 128.43                            | 1,408.59 | 704.29                        | 1,440.18 | 711.25   | 2.99 | -0.35         | 0.074 |  |
| 87.00                           | -32.41 | -2.77 | 0.00 | -125.66                     | 0.00 | 125.66                            | 1,402.88 | 701.44                        | 1,425.06 | 703.78   | 3.06 | -0.35         | 0.072 |  |
| 88.00                           | -32.08 | -2.76 | 0.00 | -122.89                     | 0.00 | 122.89                            | 1,397.13 | 698.56                        | 1,409.96 | 696.33   | 3.14 | -0.36         | 0.071 |  |
| 89.00                           | -31.74 | -2.75 | 0.00 | -120.13                     | 0.00 | 120.13                            | 1,391.33 | 695.67                        | 1,394.89 | 688.89   | 3.21 | -0.37         | 0.070 |  |
| 90.00                           | -31.41 | -2.74 | 0.00 | -117.39                     | 0.00 | 117.39                            | 1,385.49 | 692.75                        | 1,379.86 | 681.46   | 3.29 | -0.38         | 0.069 |  |
| 91.00                           | -31.07 | -2.73 | 0.00 | -114.65                     | 0.00 | 114.65                            | 1,379.61 | 689.81                        | 1,364.87 | 674.06   | 3.37 | -0.38         | 0.067 |  |
| 92.00                           | -30.74 | -2.71 | 0.00 | -111.93                     | 0.00 | 111.93                            | 1,373.69 | 686.84                        | 1,349.91 | 666.67   | 3.45 | -0.39         | 0.066 |  |
| 93.00                           | -30.41 | -2.70 | 0.00 | -109.21                     | 0.00 | 109.21                            | 1,367.72 | 683.86                        | 1,334.99 | 659.30   | 3.53 | -0.40         | 0.065 |  |
| 94.00                           | -30.08 | -2.68 | 0.00 | -106.51                     | 0.00 | 106.51                            | 1,361.71 | 680.85                        | 1,320.10 | 651.95   | 3.62 | -0.40         | 0.064 |  |
| 95.00                           | -29.74 | -2.66 | 0.00 | -103.83                     | 0.00 | 103.83                            | 1,355.66 | 677.83                        | 1,305.26 | 644.62   | 3.70 | -0.41         | 0.062 |  |
| 95.44                           | -29.60 | -2.65 | 0.00 | -102.66                     | 0.00 | 102.66                            | 1,352.98 | 676.49                        | 1,298.74 | 641.40   | 3.74 | -0.41         | 0.062 |  |
| 95.44                           | -29.60 | -2.65 | 0.00 | -102.66                     | 0.00 | 102.66                            | 1,352.98 | 676.49                        | 1,298.74 | 641.40   | 3.74 | -0.41         | 0.182 |  |
| 96.00                           | -29.44 | -2.65 | 0.00 | -101.18                     | 0.00 | 101.18                            | 1,349.56 | 674.78                        | 1,290.45 | 637.30   | 3.79 | -0.42         | 0.181 |  |
| 97.00                           | -29.16 | -2.64 | 0.00 | -98.53                      | 0.00 | 98.53                             | 1,343.42 | 671.71                        | 1,275.68 | 630.01   | 3.88 | -0.44         | 0.178 |  |
| 98.00                           | -28.88 | -2.63 | 0.00 | -95.89                      | 0.00 | 95.89                             | 1,337.24 | 668.62                        | 1,260.95 | 622.74   | 3.97 | -0.46         | 0.176 |  |
| 99.00                           | -28.61 | -2.62 | 0.00 | -93.26                      | 0.00 | 93.26                             | 1,331.01 | 665.51                        | 1,246.27 | 615.49   | 4.07 | -0.48         | 0.173 |  |
| 100.00                          | -28.33 | -2.61 | 0.00 | -90.64                      | 0.00 | 90.64                             | 1,324.75 | 662.37                        | 1,231.63 | 608.25   | 4.18 | -0.51         | 0.170 |  |

Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.0Di + 1.0Wi      40.00 mph with 1.00 in Radial Ice      28 Iterations

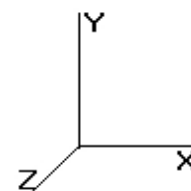
Gust Response Factor : 1.10      Ice Dead Load Factor : 1.00      Wind Importance Factor : 1.00  
Dead Load Factor : 1.20      Ice Importance Factor : 1.00  
Wind Load Factor : 1.00

|        |        |       |      |        |      |       |          |        |          |        |       |       |       |
|--------|--------|-------|------|--------|------|-------|----------|--------|----------|--------|-------|-------|-------|
| 101.00 | -28.14 | -2.61 | 0.00 | -88.03 | 0.00 | 88.03 | 1,318.44 | 659.22 | 1,217.03 | 601.04 | 4.29  | -0.53 | 0.168 |
| 102.00 | -27.94 | -2.60 | 0.00 | -85.42 | 0.00 | 85.42 | 1,312.08 | 656.04 | 1,202.47 | 593.86 | 4.40  | -0.55 | 0.165 |
| 103.00 | -27.75 | -2.60 | 0.00 | -82.82 | 0.00 | 82.82 | 1,305.69 | 652.84 | 1,187.96 | 586.69 | 4.52  | -0.57 | 0.162 |
| 104.00 | -27.56 | -2.60 | 0.00 | -80.22 | 0.00 | 80.22 | 1,299.25 | 649.62 | 1,173.50 | 579.55 | 4.64  | -0.59 | 0.160 |
| 105.00 | -27.37 | -2.59 | 0.00 | -77.62 | 0.00 | 77.62 | 1,293.29 | 646.65 | 1,159.56 | 572.66 | 4.76  | -0.61 | 0.157 |
| 106.00 | -27.17 | -2.59 | 0.00 | -75.03 | 0.00 | 75.03 | 1,283.85 | 641.92 | 1,142.58 | 564.28 | 4.89  | -0.63 | 0.154 |
| 107.00 | -26.99 | -2.58 | 0.00 | -72.44 | 0.00 | 72.44 | 1,274.40 | 637.20 | 1,125.74 | 555.96 | 5.03  | -0.65 | 0.151 |
| 108.00 | -26.80 | -2.58 | 0.00 | -69.86 | 0.00 | 69.86 | 1,264.95 | 632.48 | 1,109.01 | 547.70 | 5.17  | -0.67 | 0.149 |
| 109.00 | -26.61 | -2.57 | 0.00 | -67.28 | 0.00 | 67.28 | 1,255.51 | 627.75 | 1,092.42 | 539.50 | 5.31  | -0.69 | 0.146 |
| 110.00 | -21.98 | -2.18 | 0.00 | -64.70 | 0.00 | 64.70 | 1,246.06 | 623.03 | 1,075.94 | 531.37 | 5.46  | -0.71 | 0.139 |
| 110.00 | -21.98 | -2.18 | 0.00 | -64.70 | 0.00 | 64.70 | 852.83   | 426.42 | 740.79   | 365.85 | 5.46  | -0.71 | 0.203 |
| 111.00 | -21.83 | -2.17 | 0.00 | -62.52 | 0.00 | 62.52 | 849.27   | 424.64 | 732.18   | 361.60 | 5.61  | -0.73 | 0.199 |
| 112.00 | -21.67 | -2.17 | 0.00 | -60.35 | 0.00 | 60.35 | 845.67   | 422.84 | 723.58   | 357.35 | 5.76  | -0.75 | 0.195 |
| 113.00 | -21.52 | -2.16 | 0.00 | -58.18 | 0.00 | 58.18 | 842.03   | 421.01 | 714.99   | 353.11 | 5.92  | -0.78 | 0.190 |
| 114.00 | -21.36 | -2.16 | 0.00 | -56.02 | 0.00 | 56.02 | 838.34   | 419.17 | 706.41   | 348.87 | 6.09  | -0.80 | 0.186 |
| 115.00 | -21.21 | -2.16 | 0.00 | -53.86 | 0.00 | 53.86 | 834.62   | 417.31 | 697.84   | 344.64 | 6.26  | -0.83 | 0.182 |
| 116.00 | -21.05 | -2.15 | 0.00 | -51.70 | 0.00 | 51.70 | 830.85   | 415.43 | 689.29   | 340.42 | 6.44  | -0.85 | 0.177 |
| 117.00 | -20.90 | -2.14 | 0.00 | -49.55 | 0.00 | 49.55 | 827.04   | 413.52 | 680.76   | 336.20 | 6.62  | -0.87 | 0.173 |
| 118.00 | -20.75 | -2.14 | 0.00 | -47.41 | 0.00 | 47.41 | 823.19   | 411.60 | 672.24   | 331.99 | 6.80  | -0.90 | 0.168 |
| 119.00 | -20.60 | -2.13 | 0.00 | -45.27 | 0.00 | 45.27 | 819.30   | 409.65 | 663.73   | 327.79 | 6.99  | -0.92 | 0.163 |
| 120.00 | -20.45 | -2.13 | 0.00 | -43.14 | 0.00 | 43.14 | 815.37   | 407.68 | 655.25   | 323.60 | 7.19  | -0.94 | 0.158 |
| 121.00 | -20.30 | -2.12 | 0.00 | -41.01 | 0.00 | 41.01 | 811.40   | 405.70 | 646.78   | 319.42 | 7.39  | -0.96 | 0.153 |
| 122.00 | -20.15 | -2.12 | 0.00 | -38.89 | 0.00 | 38.89 | 807.38   | 403.69 | 638.33   | 315.25 | 7.59  | -0.98 | 0.148 |
| 123.00 | -20.01 | -2.11 | 0.00 | -36.77 | 0.00 | 36.77 | 803.32   | 401.66 | 629.90   | 311.09 | 7.80  | -1.00 | 0.143 |
| 124.00 | -19.86 | -2.10 | 0.00 | -34.67 | 0.00 | 34.67 | 799.23   | 399.61 | 621.49   | 306.93 | 8.01  | -1.02 | 0.138 |
| 125.00 | -19.71 | -2.09 | 0.00 | -32.57 | 0.00 | 32.57 | 795.09   | 397.54 | 613.11   | 302.79 | 8.22  | -1.04 | 0.132 |
| 126.00 | -19.57 | -2.09 | 0.00 | -30.47 | 0.00 | 30.47 | 790.91   | 395.45 | 604.74   | 298.66 | 8.44  | -1.06 | 0.127 |
| 127.00 | -19.43 | -2.08 | 0.00 | -28.39 | 0.00 | 28.39 | 786.69   | 393.34 | 596.40   | 294.54 | 8.67  | -1.07 | 0.121 |
| 128.00 | -19.28 | -2.07 | 0.00 | -26.31 | 0.00 | 26.31 | 782.42   | 391.21 | 588.08   | 290.43 | 8.89  | -1.09 | 0.115 |
| 129.00 | -19.14 | -2.06 | 0.00 | -24.24 | 0.00 | 24.24 | 778.12   | 389.06 | 579.79   | 286.34 | 9.12  | -1.10 | 0.109 |
| 130.00 | -13.19 | -1.41 | 0.00 | -21.54 | 0.00 | 21.54 | 773.77   | 386.89 | 571.52   | 282.25 | 9.35  | -1.12 | 0.093 |
| 131.00 | -13.06 | -1.40 | 0.00 | -20.13 | 0.00 | 20.13 | 769.39   | 384.69 | 563.28   | 278.18 | 9.59  | -1.13 | 0.089 |
| 132.00 | -12.93 | -1.39 | 0.00 | -18.74 | 0.00 | 18.74 | 764.96   | 382.48 | 555.06   | 274.13 | 9.83  | -1.14 | 0.085 |
| 133.00 | -12.80 | -1.37 | 0.00 | -17.35 | 0.00 | 17.35 | 760.49   | 380.24 | 546.88   | 270.08 | 10.07 | -1.16 | 0.081 |
| 134.00 | -12.68 | -1.36 | 0.00 | -15.98 | 0.00 | 15.98 | 755.98   | 377.99 | 538.72   | 266.05 | 10.31 | -1.17 | 0.077 |
| 135.00 | -12.55 | -1.35 | 0.00 | -14.61 | 0.00 | 14.61 | 751.42   | 375.71 | 530.59   | 262.04 | 10.56 | -1.18 | 0.072 |
| 136.00 | -12.43 | -1.34 | 0.00 | -13.26 | 0.00 | 13.26 | 746.83   | 373.41 | 522.49   | 258.04 | 10.81 | -1.19 | 0.068 |
| 137.00 | -12.30 | -1.33 | 0.00 | -11.92 | 0.00 | 11.92 | 742.19   | 371.10 | 514.42   | 254.05 | 11.06 | -1.20 | 0.063 |
| 138.00 | -12.18 | -1.32 | 0.00 | -10.58 | 0.00 | 10.58 | 737.52   | 368.76 | 506.39   | 250.09 | 11.31 | -1.21 | 0.059 |
| 139.00 | -12.06 | -1.31 | 0.00 | -9.26  | 0.00 | 9.26  | 732.80   | 366.40 | 498.39   | 246.13 | 11.56 | -1.22 | 0.054 |
| 140.00 | -7.05  | -0.74 | 0.00 | -7.95  | 0.00 | 7.95  | 728.04   | 364.02 | 490.42   | 242.20 | 11.82 | -1.22 | 0.043 |
| 141.00 | -6.93  | -0.73 | 0.00 | -7.21  | 0.00 | 7.21  | 721.77   | 360.89 | 481.50   | 237.80 | 12.08 | -1.23 | 0.040 |
| 142.00 | -6.82  | -0.72 | 0.00 | -6.48  | 0.00 | 6.48  | 714.82   | 357.41 | 472.22   | 233.21 | 12.33 | -1.23 | 0.037 |
| 143.00 | -6.70  | -0.71 | 0.00 | -5.76  | 0.00 | 5.76  | 707.87   | 353.93 | 463.02   | 228.67 | 12.59 | -1.24 | 0.035 |
| 144.00 | -6.59  | -0.69 | 0.00 | -5.06  | 0.00 | 5.06  | 700.91   | 350.46 | 453.92   | 224.17 | 12.85 | -1.24 | 0.032 |
| 145.00 | -6.48  | -0.68 | 0.00 | -4.36  | 0.00 | 4.36  | 693.96   | 346.98 | 444.90   | 219.72 | 13.11 | -1.25 | 0.029 |
| 146.00 | -6.37  | -0.67 | 0.00 | -3.68  | 0.00 | 3.68  | 687.01   | 343.50 | 435.98   | 215.31 | 13.38 | -1.25 | 0.026 |
| 147.00 | -6.25  | -0.66 | 0.00 | -3.01  | 0.00 | 3.01  | 680.05   | 340.03 | 427.15   | 210.95 | 13.64 | -1.26 | 0.023 |
| 148.00 | -6.15  | -0.65 | 0.00 | -2.35  | 0.00 | 2.35  | 673.10   | 336.55 | 418.40   | 206.63 | 13.90 | -1.26 | 0.021 |
| 149.00 | -6.04  | -0.64 | 0.00 | -1.71  | 0.00 | 1.71  | 666.15   | 333.07 | 409.75   | 202.36 | 14.17 | -1.26 | 0.017 |
| 150.00 | 0.00   | -0.50 | 0.00 | -1.07  | 0.00 | 1.07  | 659.19   | 329.60 | 401.19   | 198.13 | 14.43 | -1.26 | 0.005 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 1.2D + 1.0E

Dead Load with Seismic

0 Iterations

Gust Response Factor : 1.10

Sds : 0.30

Ss : 0.28

Dead Load Factor : 1.20

Seismic Load Factor : 1.00

Sd1 : 0.14

S1 : 0.09

Wind Load Factor : 0.00

Structure Frequency : 0.4405

SA : 0.06

Seismic Importance Factor : 1.00

## Total Segment Forces (Factored)

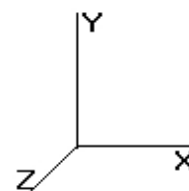
R : 1.50

| Seg Top<br>Elev<br>(ft) | Description     | Wz<br>(lb) | a    | b    | c    | Lateral<br>Fs<br>(lb) |
|-------------------------|-----------------|------------|------|------|------|-----------------------|
| 0.00                    |                 | 0.00       | 0.00 | 0.00 | 0.00 | 0.00                  |
| 1.00                    |                 | 434.44     | 0.00 | 0.01 | 0.00 | 3.09                  |
| 2.00                    |                 | 429.78     | 0.00 | 0.01 | 0.01 | 5.63                  |
| 3.00                    |                 | 425.12     | 0.00 | 0.02 | 0.01 | 7.73                  |
| 4.00                    |                 | 420.46     | 0.00 | 0.03 | 0.01 | 9.47                  |
| 5.00                    |                 | 415.80     | 0.00 | 0.03 | 0.02 | 10.91                 |
| 6.00                    |                 | 411.14     | 0.00 | 0.04 | 0.02 | 12.12                 |
| 7.00                    |                 | 406.48     | 0.00 | 0.04 | 0.02 | 13.12                 |
| 8.00                    |                 | 401.82     | 0.01 | 0.05 | 0.03 | 13.94                 |
| 9.00                    |                 | 397.16     | 0.01 | 0.05 | 0.03 | 14.62                 |
| 10.00                   |                 | 392.50     | 0.01 | 0.05 | 0.03 | 15.17                 |
| 11.00                   |                 | 387.84     | 0.01 | 0.06 | 0.03 | 15.61                 |
| 12.00                   |                 | 383.19     | 0.01 | 0.06 | 0.03 | 15.97                 |
| 13.00                   |                 | 378.53     | 0.01 | 0.06 | 0.03 | 16.24                 |
| 14.00                   |                 | 373.87     | 0.02 | 0.06 | 0.04 | 16.44                 |
| 15.00                   | Top - Section 1 | 369.21     | 0.02 | 0.06 | 0.04 | 16.58                 |
| 16.00                   |                 | 337.71     | 0.02 | 0.06 | 0.04 | 15.45                 |
| 17.00                   |                 | 336.48     | 0.02 | 0.07 | 0.04 | 15.64                 |
| 18.00                   |                 | 335.26     | 0.03 | 0.07 | 0.04 | 15.79                 |
| 19.00                   |                 | 334.04     | 0.03 | 0.07 | 0.04 | 15.93                 |
| 20.00                   |                 | 332.81     | 0.03 | 0.07 | 0.04 | 16.04                 |
| 21.00                   |                 | 331.59     | 0.04 | 0.07 | 0.04 | 16.13                 |
| 22.00                   |                 | 330.36     | 0.04 | 0.07 | 0.04 | 16.21                 |
| 23.00                   |                 | 329.14     | 0.04 | 0.07 | 0.04 | 16.27                 |
| 24.00                   |                 | 327.92     | 0.05 | 0.07 | 0.04 | 16.32                 |
| 25.00                   |                 | 326.69     | 0.05 | 0.07 | 0.04 | 16.37                 |
| 26.00                   |                 | 325.47     | 0.06 | 0.07 | 0.04 | 16.41                 |
| 27.00                   |                 | 324.24     | 0.06 | 0.07 | 0.04 | 16.44                 |
| 28.00                   |                 | 323.02     | 0.07 | 0.07 | 0.04 | 16.47                 |
| 29.00                   |                 | 321.79     | 0.07 | 0.07 | 0.04 | 16.49                 |
| 30.00                   |                 | 320.57     | 0.08 | 0.07 | 0.04 | 16.52                 |
| 31.00                   |                 | 319.35     | 0.08 | 0.07 | 0.04 | 16.54                 |
| 32.00                   |                 | 318.12     | 0.09 | 0.07 | 0.04 | 16.56                 |
| 33.00                   |                 | 316.90     | 0.09 | 0.07 | 0.04 | 16.58                 |
| 34.00                   |                 | 315.67     | 0.10 | 0.07 | 0.04 | 16.60                 |
| 35.00                   |                 | 314.45     | 0.10 | 0.07 | 0.04 | 16.61                 |
| 36.00                   |                 | 313.23     | 0.11 | 0.07 | 0.04 | 16.63                 |
| 37.00                   |                 | 312.00     | 0.11 | 0.07 | 0.04 | 16.64                 |
| 38.00                   |                 | 310.78     | 0.12 | 0.07 | 0.03 | 16.65                 |
| 39.00                   |                 | 309.55     | 0.13 | 0.07 | 0.03 | 16.66                 |
| 40.00                   |                 | 308.33     | 0.13 | 0.07 | 0.03 | 16.66                 |
| 41.00                   |                 | 307.11     | 0.14 | 0.07 | 0.03 | 16.66                 |
| 42.00                   |                 | 305.88     | 0.15 | 0.07 | 0.03 | 16.66                 |
| 43.00                   |                 | 304.66     | 0.16 | 0.07 | 0.03 | 16.65                 |
| 44.00                   |                 | 303.43     | 0.16 | 0.07 | 0.03 | 16.62                 |
| 45.00                   |                 | 302.21     | 0.17 | 0.07 | 0.03 | 16.59                 |
| 46.00                   |                 | 300.98     | 0.18 | 0.07 | 0.03 | 16.55                 |
| 47.00                   |                 | 299.76     | 0.19 | 0.06 | 0.03 | 16.50                 |
| 48.00                   |                 | 298.54     | 0.19 | 0.06 | 0.02 | 16.43                 |
| 49.00                   |                 | 297.31     | 0.20 | 0.06 | 0.02 | 16.35                 |
| 50.00                   |                 | 296.09     | 0.21 | 0.06 | 0.02 | 16.25                 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case: 1.2D + 1.0E**

Dead Load with Seismic

0 Iterations

Gust Response Factor : 1.10

Sds : 0.30

Ss : 0.28

Dead Load Factor : 1.20

Seismic Load Factor : 1.00

Sd1 : 0.14

S1 : 0.09

Wind Load Factor : 0.00

Structure Frequency : 0.4405

SA : 0.06

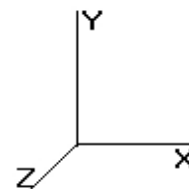
Seismic Importance Factor : 1.00

|       |                 |        |      |       |      |       |
|-------|-----------------|--------|------|-------|------|-------|
| 51.00 |                 | 294.86 | 0.22 | 0.06  | 0.02 | 16.13 |
| 52.00 |                 | 293.64 | 0.23 | 0.06  | 0.02 | 15.99 |
| 53.00 |                 | 292.42 | 0.24 | 0.06  | 0.02 | 15.82 |
| 54.00 |                 | 291.19 | 0.24 | 0.06  | 0.02 | 15.63 |
| 55.00 | Top - Section 2 | 289.97 | 0.25 | 0.05  | 0.02 | 15.41 |
| 56.00 |                 | 264.97 | 0.26 | 0.05  | 0.02 | 13.92 |
| 57.00 |                 | 263.85 | 0.27 | 0.05  | 0.01 | 13.66 |
| 58.00 |                 | 262.74 | 0.28 | 0.05  | 0.01 | 13.38 |
| 59.00 |                 | 261.62 | 0.29 | 0.05  | 0.01 | 13.06 |
| 60.00 |                 | 260.50 | 0.30 | 0.04  | 0.01 | 12.71 |
| 61.00 |                 | 259.38 | 0.31 | 0.04  | 0.01 | 12.32 |
| 62.00 |                 | 258.26 | 0.32 | 0.04  | 0.01 | 11.90 |
| 63.00 |                 | 257.14 | 0.33 | 0.04  | 0.01 | 11.44 |
| 64.00 |                 | 256.03 | 0.34 | 0.03  | 0.01 | 10.94 |
| 65.00 |                 | 254.91 | 0.35 | 0.03  | 0.01 | 10.40 |
| 66.00 |                 | 253.79 | 0.37 | 0.03  | 0.01 | 9.83  |
| 67.00 |                 | 252.67 | 0.38 | 0.03  | 0.01 | 9.21  |
| 68.00 |                 | 251.55 | 0.39 | 0.02  | 0.01 | 8.55  |
| 69.00 |                 | 250.43 | 0.40 | 0.02  | 0.01 | 7.86  |
| 70.00 |                 | 249.31 | 0.41 | 0.01  | 0.01 | 7.13  |
| 71.00 |                 | 248.20 | 0.42 | 0.01  | 0.01 | 6.37  |
| 72.00 |                 | 247.08 | 0.44 | 0.01  | 0.01 | 5.58  |
| 73.00 |                 | 245.96 | 0.45 | 0.00  | 0.01 | 4.75  |
| 74.00 |                 | 244.84 | 0.46 | 0.00  | 0.01 | 3.90  |
| 75.00 | Top - Section 3 | 405.72 | 0.47 | -0.01 | 0.01 | 5.05  |
| 76.00 |                 | 194.77 | 0.49 | -0.01 | 0.01 | 1.72  |
| 77.00 |                 | 193.87 | 0.50 | -0.02 | 0.01 | 1.00  |
| 78.00 |                 | 192.98 | 0.51 | -0.02 | 0.01 | 0.28  |
| 79.00 |                 | 192.08 | 0.52 | -0.03 | 0.01 | -0.45 |
| 80.00 |                 | 191.19 | 0.54 | -0.03 | 0.01 | -1.17 |
| 81.00 |                 | 190.29 | 0.55 | -0.03 | 0.01 | -1.88 |
| 82.00 |                 | 189.40 | 0.56 | -0.04 | 0.01 | -2.58 |
| 83.00 |                 | 188.50 | 0.58 | -0.05 | 0.01 | -3.25 |
| 84.00 |                 | 187.61 | 0.59 | -0.05 | 0.01 | -3.91 |
| 84.67 | Reinf Bottom    | 125.20 | 0.60 | -0.05 | 0.01 | -2.90 |
| 85.00 | Top - Section 4 | 61.52  | 0.61 | -0.06 | 0.02 | -1.49 |
| 86.00 |                 | 68.21  | 0.62 | -0.06 | 0.02 | -1.88 |
| 87.00 |                 | 67.77  | 0.64 | -0.07 | 0.02 | -2.08 |
| 88.00 |                 | 67.34  | 0.65 | -0.07 | 0.02 | -2.27 |
| 89.00 |                 | 66.90  | 0.67 | -0.08 | 0.02 | -2.44 |
| 90.00 |                 | 66.46  | 0.68 | -0.08 | 0.03 | -2.59 |
| 91.00 |                 | 66.03  | 0.70 | -0.09 | 0.03 | -2.73 |
| 92.00 |                 | 65.59  | 0.71 | -0.09 | 0.03 | -2.84 |
| 93.00 |                 | 65.16  | 0.73 | -0.09 | 0.04 | -2.94 |
| 94.00 |                 | 64.72  | 0.74 | -0.10 | 0.04 | -3.02 |
| 95.00 |                 | 64.28  | 0.76 | -0.10 | 0.04 | -3.07 |
| 95.44 | Reinf. Top      | 28.15  | 0.77 | -0.10 | 0.04 | -1.36 |
| 96.00 |                 | 35.70  | 0.77 | -0.11 | 0.05 | -1.74 |
| 97.00 |                 | 63.41  | 0.79 | -0.11 | 0.05 | -3.13 |
| 98.00 |                 | 62.97  | 0.81 | -0.11 | 0.06 | -3.13 |
| 99.00 |                 | 62.54  | 0.82 | -0.12 | 0.06 | -3.11 |
| 100.0 |                 | 62.10  | 0.84 | -0.12 | 0.07 | -3.06 |
| 101.0 |                 | 61.67  | 0.86 | -0.12 | 0.07 | -3.00 |
| 102.0 |                 | 61.23  | 0.87 | -0.12 | 0.08 | -2.93 |
| 103.0 |                 | 60.79  | 0.89 | -0.12 | 0.08 | -2.83 |
| 104.0 |                 | 60.36  | 0.91 | -0.12 | 0.09 | -2.71 |
| 105.0 |                 | 59.92  | 0.93 | -0.12 | 0.10 | -2.58 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case: 1.2D + 1.0E**

Dead Load with Seismic

0 Iterations

Gust Response Factor : 1.10

Sds : 0.30

Ss : 0.28

Dead Load Factor : 1.20

Seismic Load Factor : 1.00

Sd1 : 0.14

S1 : 0.09

Wind Load Factor : 0.00

Structure Frequency : 0.4405

SA : 0.06

Seismic Importance Factor : 1.00

|       |                 |         |      |       |      |        |
|-------|-----------------|---------|------|-------|------|--------|
| 106.0 |                 | 59.49   | 0.94 | -0.12 | 0.11 | -2.43  |
| 107.0 |                 | 59.05   | 0.96 | -0.12 | 0.11 | -2.26  |
| 108.0 |                 | 58.61   | 0.98 | -0.11 | 0.12 | -2.08  |
| 109.0 |                 | 58.18   | 1.00 | -0.11 | 0.13 | -1.88  |
| 110.0 | Top - Section 5 | 1726.34 | 1.02 | -0.11 | 0.14 | -49.69 |
| 111.0 |                 | 43.11   | 1.03 | -0.10 | 0.15 | -1.08  |
| 112.0 |                 | 42.79   | 1.05 | -0.09 | 0.16 | -0.89  |
| 113.0 |                 | 42.47   | 1.07 | -0.08 | 0.17 | -0.70  |
| 114.0 |                 | 42.15   | 1.09 | -0.07 | 0.18 | -0.49  |
| 115.0 |                 | 41.83   | 1.11 | -0.06 | 0.19 | -0.28  |
| 116.0 |                 | 41.51   | 1.13 | -0.05 | 0.21 | -0.05  |
| 117.0 |                 | 41.18   | 1.15 | -0.04 | 0.22 | 0.19   |
| 118.0 |                 | 40.86   | 1.17 | -0.02 | 0.23 | 0.43   |
| 119.0 |                 | 40.54   | 1.19 | 0.00  | 0.25 | 0.68   |
| 120.0 |                 | 40.22   | 1.21 | 0.01  | 0.26 | 0.95   |
| 121.0 |                 | 39.90   | 1.23 | 0.03  | 0.28 | 1.22   |
| 122.0 |                 | 39.58   | 1.25 | 0.06  | 0.29 | 1.49   |
| 123.0 |                 | 39.26   | 1.27 | 0.08  | 0.31 | 1.78   |
| 124.0 |                 | 38.94   | 1.29 | 0.11  | 0.33 | 2.08   |
| 125.0 |                 | 38.62   | 1.31 | 0.14  | 0.35 | 2.38   |
| 126.0 |                 | 38.30   | 1.33 | 0.17  | 0.37 | 2.69   |
| 127.0 |                 | 37.97   | 1.35 | 0.20  | 0.39 | 3.00   |
| 128.0 |                 | 37.65   | 1.38 | 0.24  | 0.41 | 3.32   |
| 129.0 |                 | 37.33   | 1.40 | 0.28  | 0.43 | 3.65   |
| 130.0 | Appertunance(s) | 3543.11 | 1.42 | 0.32  | 0.45 | 381.31 |
| 131.0 |                 | 36.69   | 1.44 | 0.37  | 0.48 | 4.32   |
| 132.0 |                 | 36.37   | 1.46 | 0.42  | 0.50 | 4.67   |
| 133.0 |                 | 36.05   | 1.49 | 0.47  | 0.53 | 5.02   |
| 134.0 |                 | 35.73   | 1.51 | 0.52  | 0.55 | 5.37   |
| 135.0 |                 | 35.41   | 1.53 | 0.58  | 0.58 | 5.73   |
| 136.0 |                 | 35.09   | 1.55 | 0.64  | 0.61 | 6.09   |
| 137.0 |                 | 34.76   | 1.58 | 0.71  | 0.64 | 6.46   |
| 138.0 |                 | 34.44   | 1.60 | 0.78  | 0.67 | 6.83   |
| 139.0 |                 | 34.12   | 1.62 | 0.85  | 0.70 | 7.21   |
| 140.0 | Appertunance(s) | 3347.90 | 1.65 | 0.93  | 0.73 | 751.16 |
| 141.0 |                 | 33.48   | 1.67 | 1.01  | 0.77 | 7.96   |
| 142.0 |                 | 33.16   | 1.69 | 1.10  | 0.81 | 8.35   |
| 143.0 |                 | 32.84   | 1.72 | 1.19  | 0.84 | 8.73   |
| 144.0 |                 | 32.52   | 1.74 | 1.29  | 0.88 | 9.12   |
| 145.0 |                 | 32.20   | 1.77 | 1.39  | 0.92 | 9.51   |
| 146.0 |                 | 31.88   | 1.79 | 1.50  | 0.96 | 9.90   |
| 147.0 |                 | 31.55   | 1.82 | 1.61  | 1.00 | 10.29  |
| 148.0 |                 | 31.23   | 1.84 | 1.73  | 1.05 | 10.69  |
| 149.0 |                 | 30.91   | 1.86 | 1.85  | 1.09 | 11.08  |
| 150.0 | Appertunance(s) | 2144.69 | 1.89 | 1.98  | 1.14 | 804.33 |

Totals: 39,388.53

2,997.54

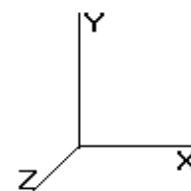
Total Wind : 28,308.2

Seismic Base Shear Is Less Than 50% Of Wind Force - Analysis Not Required

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.0E

Dead Load with Seismic (Reduced DL)

0 Iterations

Gust Response Factor : 1.10

Sds : 0.30

Ss : 0.28

Dead Load Factor : 0.90

Seismic Load Factor : 1.00

Sd1 : 0.14

S1 : 0.09

Wind Load Factor : 0.00

Structure Frequency : 0.4405

SA : 0.06

Seismic Importance Factor : 1.00

## Total Segment Forces (Factored)

R : 1.50

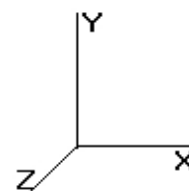
| Seg Top |                 |        |      |      |      | Lateral |
|---------|-----------------|--------|------|------|------|---------|
| Elev    |                 | Wz     |      |      |      | Fs      |
| (ft)    | Description     | (lb)   | a    | b    | c    | (lb)    |
| 0.00    |                 | 0.00   | 0.00 | 0.00 | 0.00 | 0.00    |
| 1.00    |                 | 434.44 | 0.00 | 0.01 | 0.00 | 3.09    |
| 2.00    |                 | 429.78 | 0.00 | 0.01 | 0.01 | 5.63    |
| 3.00    |                 | 425.12 | 0.00 | 0.02 | 0.01 | 7.73    |
| 4.00    |                 | 420.46 | 0.00 | 0.03 | 0.01 | 9.47    |
| 5.00    |                 | 415.80 | 0.00 | 0.03 | 0.02 | 10.91   |
| 6.00    |                 | 411.14 | 0.00 | 0.04 | 0.02 | 12.12   |
| 7.00    |                 | 406.48 | 0.00 | 0.04 | 0.02 | 13.12   |
| 8.00    |                 | 401.82 | 0.01 | 0.05 | 0.03 | 13.94   |
| 9.00    |                 | 397.16 | 0.01 | 0.05 | 0.03 | 14.62   |
| 10.00   |                 | 392.50 | 0.01 | 0.05 | 0.03 | 15.17   |
| 11.00   |                 | 387.84 | 0.01 | 0.06 | 0.03 | 15.61   |
| 12.00   |                 | 383.19 | 0.01 | 0.06 | 0.03 | 15.97   |
| 13.00   |                 | 378.53 | 0.01 | 0.06 | 0.03 | 16.24   |
| 14.00   |                 | 373.87 | 0.02 | 0.06 | 0.04 | 16.44   |
| 15.00   | Top - Section 1 | 369.21 | 0.02 | 0.06 | 0.04 | 16.58   |
| 16.00   |                 | 337.71 | 0.02 | 0.06 | 0.04 | 15.45   |
| 17.00   |                 | 336.48 | 0.02 | 0.07 | 0.04 | 15.64   |
| 18.00   |                 | 335.26 | 0.03 | 0.07 | 0.04 | 15.79   |
| 19.00   |                 | 334.04 | 0.03 | 0.07 | 0.04 | 15.93   |
| 20.00   |                 | 332.81 | 0.03 | 0.07 | 0.04 | 16.04   |
| 21.00   |                 | 331.59 | 0.04 | 0.07 | 0.04 | 16.13   |
| 22.00   |                 | 330.36 | 0.04 | 0.07 | 0.04 | 16.21   |
| 23.00   |                 | 329.14 | 0.04 | 0.07 | 0.04 | 16.27   |
| 24.00   |                 | 327.92 | 0.05 | 0.07 | 0.04 | 16.32   |
| 25.00   |                 | 326.69 | 0.05 | 0.07 | 0.04 | 16.37   |
| 26.00   |                 | 325.47 | 0.06 | 0.07 | 0.04 | 16.41   |
| 27.00   |                 | 324.24 | 0.06 | 0.07 | 0.04 | 16.44   |
| 28.00   |                 | 323.02 | 0.07 | 0.07 | 0.04 | 16.47   |
| 29.00   |                 | 321.79 | 0.07 | 0.07 | 0.04 | 16.49   |
| 30.00   |                 | 320.57 | 0.08 | 0.07 | 0.04 | 16.52   |
| 31.00   |                 | 319.35 | 0.08 | 0.07 | 0.04 | 16.54   |
| 32.00   |                 | 318.12 | 0.09 | 0.07 | 0.04 | 16.56   |
| 33.00   |                 | 316.90 | 0.09 | 0.07 | 0.04 | 16.58   |
| 34.00   |                 | 315.67 | 0.10 | 0.07 | 0.04 | 16.60   |
| 35.00   |                 | 314.45 | 0.10 | 0.07 | 0.04 | 16.61   |
| 36.00   |                 | 313.23 | 0.11 | 0.07 | 0.04 | 16.63   |
| 37.00   |                 | 312.00 | 0.11 | 0.07 | 0.04 | 16.64   |
| 38.00   |                 | 310.78 | 0.12 | 0.07 | 0.03 | 16.65   |
| 39.00   |                 | 309.55 | 0.13 | 0.07 | 0.03 | 16.66   |
| 40.00   |                 | 308.33 | 0.13 | 0.07 | 0.03 | 16.66   |
| 41.00   |                 | 307.11 | 0.14 | 0.07 | 0.03 | 16.66   |
| 42.00   |                 | 305.88 | 0.15 | 0.07 | 0.03 | 16.66   |
| 43.00   |                 | 304.66 | 0.16 | 0.07 | 0.03 | 16.65   |
| 44.00   |                 | 303.43 | 0.16 | 0.07 | 0.03 | 16.62   |
| 45.00   |                 | 302.21 | 0.17 | 0.07 | 0.03 | 16.59   |
| 46.00   |                 | 300.98 | 0.18 | 0.07 | 0.03 | 16.55   |
| 47.00   |                 | 299.76 | 0.19 | 0.06 | 0.03 | 16.50   |
| 48.00   |                 | 298.54 | 0.19 | 0.06 | 0.02 | 16.43   |
| 49.00   |                 | 297.31 | 0.20 | 0.06 | 0.02 | 16.35   |
| 50.00   |                 | 296.09 | 0.21 | 0.06 | 0.02 | 16.25   |



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.0E

Dead Load with Seismic (Reduced DL)

0 Iterations

Gust Response Factor : 1.10

Sds : 0.30

Ss : 0.28

Dead Load Factor : 0.90

Seismic Load Factor : 1.00

Sd1 : 0.14

S1 : 0.09

Wind Load Factor : 0.00

Structure Frequency : 0.4405

SA : 0.06

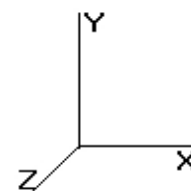
Seismic Importance Factor : 1.00

|       |                 |        |      |       |      |       |
|-------|-----------------|--------|------|-------|------|-------|
| 51.00 |                 | 294.86 | 0.22 | 0.06  | 0.02 | 16.13 |
| 52.00 |                 | 293.64 | 0.23 | 0.06  | 0.02 | 15.99 |
| 53.00 |                 | 292.42 | 0.24 | 0.06  | 0.02 | 15.82 |
| 54.00 |                 | 291.19 | 0.24 | 0.06  | 0.02 | 15.63 |
| 55.00 | Top - Section 2 | 289.97 | 0.25 | 0.05  | 0.02 | 15.41 |
| 56.00 |                 | 264.97 | 0.26 | 0.05  | 0.02 | 13.92 |
| 57.00 |                 | 263.85 | 0.27 | 0.05  | 0.01 | 13.66 |
| 58.00 |                 | 262.74 | 0.28 | 0.05  | 0.01 | 13.38 |
| 59.00 |                 | 261.62 | 0.29 | 0.05  | 0.01 | 13.06 |
| 60.00 |                 | 260.50 | 0.30 | 0.04  | 0.01 | 12.71 |
| 61.00 |                 | 259.38 | 0.31 | 0.04  | 0.01 | 12.32 |
| 62.00 |                 | 258.26 | 0.32 | 0.04  | 0.01 | 11.90 |
| 63.00 |                 | 257.14 | 0.33 | 0.04  | 0.01 | 11.44 |
| 64.00 |                 | 256.03 | 0.34 | 0.03  | 0.01 | 10.94 |
| 65.00 |                 | 254.91 | 0.35 | 0.03  | 0.01 | 10.40 |
| 66.00 |                 | 253.79 | 0.37 | 0.03  | 0.01 | 9.83  |
| 67.00 |                 | 252.67 | 0.38 | 0.03  | 0.01 | 9.21  |
| 68.00 |                 | 251.55 | 0.39 | 0.02  | 0.01 | 8.55  |
| 69.00 |                 | 250.43 | 0.40 | 0.02  | 0.01 | 7.86  |
| 70.00 |                 | 249.31 | 0.41 | 0.01  | 0.01 | 7.13  |
| 71.00 |                 | 248.20 | 0.42 | 0.01  | 0.01 | 6.37  |
| 72.00 |                 | 247.08 | 0.44 | 0.01  | 0.01 | 5.58  |
| 73.00 |                 | 245.96 | 0.45 | 0.00  | 0.01 | 4.75  |
| 74.00 |                 | 244.84 | 0.46 | 0.00  | 0.01 | 3.90  |
| 75.00 | Top - Section 3 | 405.72 | 0.47 | -0.01 | 0.01 | 5.05  |
| 76.00 |                 | 194.77 | 0.49 | -0.01 | 0.01 | 1.72  |
| 77.00 |                 | 193.87 | 0.50 | -0.02 | 0.01 | 1.00  |
| 78.00 |                 | 192.98 | 0.51 | -0.02 | 0.01 | 0.28  |
| 79.00 |                 | 192.08 | 0.52 | -0.03 | 0.01 | -0.45 |
| 80.00 |                 | 191.19 | 0.54 | -0.03 | 0.01 | -1.17 |
| 81.00 |                 | 190.29 | 0.55 | -0.03 | 0.01 | -1.88 |
| 82.00 |                 | 189.40 | 0.56 | -0.04 | 0.01 | -2.58 |
| 83.00 |                 | 188.50 | 0.58 | -0.05 | 0.01 | -3.25 |
| 84.00 |                 | 187.61 | 0.59 | -0.05 | 0.01 | -3.91 |
| 84.67 | Reinf Bottom    | 125.20 | 0.60 | -0.05 | 0.01 | -2.90 |
| 85.00 | Top - Section 4 | 61.52  | 0.61 | -0.06 | 0.02 | -1.49 |
| 86.00 |                 | 68.21  | 0.62 | -0.06 | 0.02 | -1.88 |
| 87.00 |                 | 67.77  | 0.64 | -0.07 | 0.02 | -2.08 |
| 88.00 |                 | 67.34  | 0.65 | -0.07 | 0.02 | -2.27 |
| 89.00 |                 | 66.90  | 0.67 | -0.08 | 0.02 | -2.44 |
| 90.00 |                 | 66.46  | 0.68 | -0.08 | 0.03 | -2.59 |
| 91.00 |                 | 66.03  | 0.70 | -0.09 | 0.03 | -2.73 |
| 92.00 |                 | 65.59  | 0.71 | -0.09 | 0.03 | -2.84 |
| 93.00 |                 | 65.16  | 0.73 | -0.09 | 0.04 | -2.94 |
| 94.00 |                 | 64.72  | 0.74 | -0.10 | 0.04 | -3.02 |
| 95.00 |                 | 64.28  | 0.76 | -0.10 | 0.04 | -3.07 |
| 95.44 | Reinf. Top      | 28.15  | 0.77 | -0.10 | 0.04 | -1.36 |
| 96.00 |                 | 35.70  | 0.77 | -0.11 | 0.05 | -1.74 |
| 97.00 |                 | 63.41  | 0.79 | -0.11 | 0.05 | -3.13 |
| 98.00 |                 | 62.97  | 0.81 | -0.11 | 0.06 | -3.13 |
| 99.00 |                 | 62.54  | 0.82 | -0.12 | 0.06 | -3.11 |
| 100.0 |                 | 62.10  | 0.84 | -0.12 | 0.07 | -3.06 |
| 101.0 |                 | 61.67  | 0.86 | -0.12 | 0.07 | -3.00 |
| 102.0 |                 | 61.23  | 0.87 | -0.12 | 0.08 | -2.93 |
| 103.0 |                 | 60.79  | 0.89 | -0.12 | 0.08 | -2.83 |
| 104.0 |                 | 60.36  | 0.91 | -0.12 | 0.09 | -2.71 |
| 105.0 |                 | 59.92  | 0.93 | -0.12 | 0.10 | -2.58 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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**Load Case:** 0.9D + 1.0E

Dead Load with Seismic (Reduced DL)

0 Iterations

Gust Response Factor : 1.10

Sds : 0.30

Ss : 0.28

Dead Load Factor : 0.90

Seismic Load Factor : 1.00

Sd1 : 0.14

S1 : 0.09

Wind Load Factor : 0.00

Structure Frequency : 0.4405

SA : 0.06

Seismic Importance Factor : 1.00

|       |                 |         |      |       |      |        |
|-------|-----------------|---------|------|-------|------|--------|
| 106.0 |                 | 59.49   | 0.94 | -0.12 | 0.11 | -2.43  |
| 107.0 |                 | 59.05   | 0.96 | -0.12 | 0.11 | -2.26  |
| 108.0 |                 | 58.61   | 0.98 | -0.11 | 0.12 | -2.08  |
| 109.0 |                 | 58.18   | 1.00 | -0.11 | 0.13 | -1.88  |
| 110.0 | Top - Section 5 | 1726.34 | 1.02 | -0.11 | 0.14 | -49.69 |
| 111.0 |                 | 43.11   | 1.03 | -0.10 | 0.15 | -1.08  |
| 112.0 |                 | 42.79   | 1.05 | -0.09 | 0.16 | -0.89  |
| 113.0 |                 | 42.47   | 1.07 | -0.08 | 0.17 | -0.70  |
| 114.0 |                 | 42.15   | 1.09 | -0.07 | 0.18 | -0.49  |
| 115.0 |                 | 41.83   | 1.11 | -0.06 | 0.19 | -0.28  |
| 116.0 |                 | 41.51   | 1.13 | -0.05 | 0.21 | -0.05  |
| 117.0 |                 | 41.18   | 1.15 | -0.04 | 0.22 | 0.19   |
| 118.0 |                 | 40.86   | 1.17 | -0.02 | 0.23 | 0.43   |
| 119.0 |                 | 40.54   | 1.19 | 0.00  | 0.25 | 0.68   |
| 120.0 |                 | 40.22   | 1.21 | 0.01  | 0.26 | 0.95   |
| 121.0 |                 | 39.90   | 1.23 | 0.03  | 0.28 | 1.22   |
| 122.0 |                 | 39.58   | 1.25 | 0.06  | 0.29 | 1.49   |
| 123.0 |                 | 39.26   | 1.27 | 0.08  | 0.31 | 1.78   |
| 124.0 |                 | 38.94   | 1.29 | 0.11  | 0.33 | 2.08   |
| 125.0 |                 | 38.62   | 1.31 | 0.14  | 0.35 | 2.38   |
| 126.0 |                 | 38.30   | 1.33 | 0.17  | 0.37 | 2.69   |
| 127.0 |                 | 37.97   | 1.35 | 0.20  | 0.39 | 3.00   |
| 128.0 |                 | 37.65   | 1.38 | 0.24  | 0.41 | 3.32   |
| 129.0 |                 | 37.33   | 1.40 | 0.28  | 0.43 | 3.65   |
| 130.0 | Appertunance(s) | 3543.11 | 1.42 | 0.32  | 0.45 | 381.31 |
| 131.0 |                 | 36.69   | 1.44 | 0.37  | 0.48 | 4.32   |
| 132.0 |                 | 36.37   | 1.46 | 0.42  | 0.50 | 4.67   |
| 133.0 |                 | 36.05   | 1.49 | 0.47  | 0.53 | 5.02   |
| 134.0 |                 | 35.73   | 1.51 | 0.52  | 0.55 | 5.37   |
| 135.0 |                 | 35.41   | 1.53 | 0.58  | 0.58 | 5.73   |
| 136.0 |                 | 35.09   | 1.55 | 0.64  | 0.61 | 6.09   |
| 137.0 |                 | 34.76   | 1.58 | 0.71  | 0.64 | 6.46   |
| 138.0 |                 | 34.44   | 1.60 | 0.78  | 0.67 | 6.83   |
| 139.0 |                 | 34.12   | 1.62 | 0.85  | 0.70 | 7.21   |
| 140.0 | Appertunance(s) | 3347.90 | 1.65 | 0.93  | 0.73 | 751.16 |
| 141.0 |                 | 33.48   | 1.67 | 1.01  | 0.77 | 7.96   |
| 142.0 |                 | 33.16   | 1.69 | 1.10  | 0.81 | 8.35   |
| 143.0 |                 | 32.84   | 1.72 | 1.19  | 0.84 | 8.73   |
| 144.0 |                 | 32.52   | 1.74 | 1.29  | 0.88 | 9.12   |
| 145.0 |                 | 32.20   | 1.77 | 1.39  | 0.92 | 9.51   |
| 146.0 |                 | 31.88   | 1.79 | 1.50  | 0.96 | 9.90   |
| 147.0 |                 | 31.55   | 1.82 | 1.61  | 1.00 | 10.29  |
| 148.0 |                 | 31.23   | 1.84 | 1.73  | 1.05 | 10.69  |
| 149.0 |                 | 30.91   | 1.86 | 1.85  | 1.09 | 11.08  |
| 150.0 | Appertunance(s) | 2144.69 | 1.89 | 1.98  | 1.14 | 804.33 |

Totals: 39,388.53

2,997.54

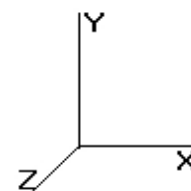
Total Wind : 28,308.2

Seismic Base Shear Is Less Than 50% Of Wind Force - Analysis Not Required

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

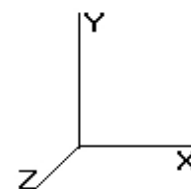
## Shaft Segment Forces (Factored)

| Seg Top |                 |      |      |       |       |          |       |         |           |       |      |         |          |          |
|---------|-----------------|------|------|-------|-------|----------|-------|---------|-----------|-------|------|---------|----------|----------|
| Elev    | Description     | Kzt  | Kz   | qz    | qzGh  | C        | Cf    | Ice     | Tributary | Ap    | EPAs | Wind    | Dead     | Tot Dead |
| (ft)    |                 |      |      | (psf) | (psf) | (mph-ft) |       | Thick   | (ft)      | (sf)  | (sf) | Force X | Load Ice | Load     |
|         |                 |      |      |       |       |          |       | (in)    |           |       |      | (lb)    | (lb)     | (lb)     |
| 0.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 233.43   | 1.000 | 0.000   | 0.00      | 0.000 | 0.00 | 0.0     | 0.0      | 0.0      |
| 1.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 230.97   | 1.000 | 0.000   | 1.00      | 4.626 | 4.63 | 31.2    | 0.0      | 434.4    |
| 2.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 228.52   | 1.000 | 0.000   | 1.00      | 4.577 | 4.58 | 30.9    | 0.0      | 429.8    |
| 3.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 226.06   | 1.000 | 0.000   | 1.00      | 4.528 | 4.53 | 30.5    | 0.0      | 425.1    |
| 4.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 223.61   | 1.000 | 0.000   | 1.00      | 4.479 | 4.48 | 30.2    | 0.0      | 420.5    |
| 5.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 221.15   | 1.000 | 0.000   | 1.00      | 4.430 | 4.43 | 29.9    | 0.0      | 415.8    |
| 6.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 218.69   | 1.200 | * 0.000 | 1.00      | 4.381 | 5.26 | 35.4    | 0.0      | 411.1    |
| 7.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 216.24   | 1.200 | * 0.000 | 1.00      | 4.332 | 5.20 | 35.0    | 0.0      | 406.5    |
| 8.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 213.78   | 1.200 | * 0.000 | 1.00      | 4.283 | 5.14 | 34.7    | 0.0      | 401.8    |
| 9.00    |                 | 1.00 | 0.70 | 6.129 | 6.742 | 211.33   | 1.200 | * 0.000 | 1.00      | 4.234 | 5.08 | 34.3    | 0.0      | 397.2    |
| 10.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 208.87   | 1.200 | * 0.000 | 1.00      | 4.185 | 5.02 | 33.9    | 0.0      | 392.5    |
| 11.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 206.42   | 1.200 | * 0.000 | 1.00      | 4.136 | 4.96 | 33.5    | 0.0      | 387.8    |
| 12.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 203.96   | 1.200 | * 0.000 | 1.00      | 4.088 | 4.91 | 33.1    | 0.0      | 383.2    |
| 13.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 201.51   | 1.200 | * 0.000 | 1.00      | 4.039 | 4.85 | 32.7    | 0.0      | 378.5    |
| 14.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 199.05   | 1.200 | * 0.000 | 1.00      | 3.990 | 4.79 | 32.3    | 0.0      | 373.9    |
| 15.00   | Top - Section 1 | 1.00 | 0.70 | 6.129 | 6.742 | 196.59   | 1.200 | * 0.000 | 1.00      | 3.941 | 4.73 | 31.9    | 0.0      | 369.2    |
| 16.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 196.78   | 1.200 | * 0.000 | 1.00      | 3.927 | 4.71 | 31.8    | 0.0      | 337.7    |
| 17.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 196.07   | 1.200 | * 0.000 | 1.00      | 3.913 | 4.70 | 31.7    | 0.0      | 336.5    |
| 18.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 195.37   | 1.200 | * 0.000 | 1.00      | 3.899 | 4.68 | 31.5    | 0.0      | 335.3    |
| 19.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 194.67   | 1.200 | * 0.000 | 1.00      | 3.885 | 4.66 | 31.4    | 0.0      | 334.0    |
| 20.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 193.96   | 1.200 | * 0.000 | 1.00      | 3.871 | 4.65 | 31.3    | 0.0      | 332.8    |
| 21.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 193.26   | 1.200 | * 0.000 | 1.00      | 3.857 | 4.63 | 31.2    | 0.0      | 331.6    |
| 22.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 192.56   | 1.200 | * 0.000 | 1.00      | 3.843 | 4.61 | 31.1    | 0.0      | 330.4    |
| 23.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 191.85   | 1.200 | * 0.000 | 1.00      | 3.829 | 4.59 | 31.0    | 0.0      | 329.1    |
| 24.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 191.15   | 1.200 | * 0.000 | 1.00      | 3.815 | 4.58 | 30.9    | 0.0      | 327.9    |
| 25.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 190.44   | 1.200 | * 0.000 | 1.00      | 3.801 | 4.56 | 30.7    | 0.0      | 326.7    |
| 26.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 189.74   | 1.200 | * 0.000 | 1.00      | 3.787 | 4.54 | 30.6    | 0.0      | 325.5    |
| 27.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 189.04   | 1.200 | * 0.000 | 1.00      | 3.773 | 4.53 | 30.5    | 0.0      | 324.2    |
| 28.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 188.33   | 1.200 | * 0.000 | 1.00      | 3.759 | 4.51 | 30.4    | 0.0      | 323.0    |
| 29.00   |                 | 1.00 | 0.70 | 6.129 | 6.742 | 187.63   | 1.200 | * 0.000 | 1.00      | 3.745 | 4.49 | 30.3    | 0.0      | 321.8    |
| 30.00   |                 | 1.00 | 0.70 | 6.134 | 6.747 | 187.00   | 1.200 | * 0.000 | 1.00      | 3.731 | 4.48 | 30.2    | 0.0      | 320.6    |
| 31.00   |                 | 1.00 | 0.70 | 6.192 | 6.811 | 187.18   | 1.200 | * 0.000 | 1.00      | 3.717 | 4.46 | 30.4    | 0.0      | 319.3    |
| 32.00   |                 | 1.00 | 0.71 | 6.248 | 6.873 | 187.32   | 1.200 | * 0.000 | 1.00      | 3.703 | 4.44 | 30.5    | 0.0      | 318.1    |
| 33.00   |                 | 1.00 | 0.72 | 6.303 | 6.933 | 187.43   | 1.200 | * 0.000 | 1.00      | 3.689 | 4.43 | 30.7    | 0.0      | 316.9    |
| 34.00   |                 | 1.00 | 0.72 | 6.357 | 6.993 | 187.51   | 1.200 | * 0.000 | 1.00      | 3.675 | 4.41 | 30.8    | 0.0      | 315.7    |
| 35.00   |                 | 1.00 | 0.73 | 6.410 | 7.051 | 187.57   | 1.200 | * 0.000 | 1.00      | 3.661 | 4.39 | 31.0    | 0.0      | 314.4    |
| 36.00   |                 | 1.00 | 0.73 | 6.462 | 7.108 | 187.60   | 1.200 | * 0.000 | 1.00      | 3.647 | 4.38 | 31.1    | 0.0      | 313.2    |
| 37.00   |                 | 1.00 | 0.74 | 6.513 | 7.164 | 187.61   | 1.200 | * 0.000 | 1.00      | 3.633 | 4.36 | 31.2    | 0.0      | 312.0    |
| 38.00   |                 | 1.00 | 0.75 | 6.562 | 7.219 | 187.60   | 1.200 | * 0.000 | 1.00      | 3.619 | 4.34 | 31.3    | 0.0      | 310.8    |
| 39.00   |                 | 1.00 | 0.75 | 6.611 | 7.272 | 187.57   | 1.200 | * 0.000 | 1.00      | 3.605 | 4.33 | 31.5    | 0.0      | 309.6    |
| 40.00   |                 | 1.00 | 0.76 | 6.659 | 7.325 | 187.51   | 1.200 | * 0.000 | 1.00      | 3.591 | 4.31 | 31.6    | 0.0      | 308.3    |
| 41.00   |                 | 1.00 | 0.76 | 6.706 | 7.377 | 187.44   | 1.200 | * 0.000 | 1.00      | 3.577 | 4.29 | 31.7    | 0.0      | 307.1    |
| 42.00   |                 | 1.00 | 0.77 | 6.753 | 7.428 | 187.35   | 1.200 | * 0.000 | 1.00      | 3.563 | 4.28 | 31.8    | 0.0      | 305.9    |
| 43.00   |                 | 1.00 | 0.77 | 6.798 | 7.478 | 187.24   | 1.200 | * 0.000 | 1.00      | 3.548 | 4.26 | 31.8    | 0.0      | 304.7    |
| 44.00   |                 | 1.00 | 0.78 | 6.843 | 7.527 | 187.11   | 1.200 | * 0.000 | 1.00      | 3.534 | 4.24 | 31.9    | 0.0      | 303.4    |
| 45.00   |                 | 1.00 | 0.78 | 6.887 | 7.576 | 186.97   | 1.200 | * 0.000 | 1.00      | 3.520 | 4.22 | 32.0    | 0.0      | 302.2    |
| 46.00   |                 | 1.00 | 0.79 | 6.931 | 7.624 | 186.81   | 1.200 | * 0.000 | 1.00      | 3.506 | 4.21 | 32.1    | 0.0      | 301.0    |
| 47.00   |                 | 1.00 | 0.79 | 6.973 | 7.671 | 186.63   | 1.200 | * 0.000 | 1.00      | 3.492 | 4.19 | 32.1    | 0.0      | 299.8    |
| 48.00   |                 | 1.00 | 0.80 | 7.015 | 7.717 | 186.44   | 1.200 | * 0.000 | 1.00      | 3.478 | 4.17 | 32.2    | 0.0      | 298.5    |
| 49.00   |                 | 1.00 | 0.80 | 7.057 | 7.763 | 186.23   | 1.200 | * 0.000 | 1.00      | 3.464 | 4.16 | 32.3    | 0.0      | 297.3    |
| 50.00   |                 | 1.00 | 0.81 | 7.098 | 7.807 | 186.01   | 1.200 | * 0.000 | 1.00      | 3.450 | 4.14 | 32.3    | 0.0      | 296.1    |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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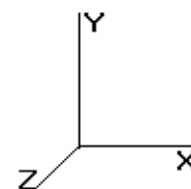
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| Load Case: 1.0D + 1.0W      |                                 |      |      | 60.00 mph Serviceability |       |        |       |         |                               |       |      | 28 Iterations |     |       |  |
|-----------------------------|---------------------------------|------|------|--------------------------|-------|--------|-------|---------|-------------------------------|-------|------|---------------|-----|-------|--|
| Gust Response Factor : 1.10 |                                 |      |      |                          |       |        |       |         | Wind Importance Factor : 1.00 |       |      |               |     |       |  |
| Dead Load Factor : 1.00     |                                 |      |      |                          |       |        |       |         |                               |       |      |               |     |       |  |
| Wind Load Factor : 1.00     |                                 |      |      |                          |       |        |       |         |                               |       |      |               |     |       |  |
| 51.00                       | Top - Section 2                 | 1.00 | 0.81 | 7.138                    | 7.852 | 185.78 | 1.200 | * 0.000 | 1.00                          | 3.436 | 4.12 | 32.4          | 0.0 | 294.9 |  |
| 52.00                       |                                 | 1.00 | 0.82 | 7.178                    | 7.895 | 185.54 | 1.200 | * 0.000 | 1.00                          | 3.422 | 4.11 | 32.4          | 0.0 | 293.6 |  |
| 53.00                       |                                 | 1.00 | 0.82 | 7.217                    | 7.939 | 185.28 | 1.200 | * 0.000 | 1.00                          | 3.408 | 4.09 | 32.5          | 0.0 | 292.4 |  |
| 54.00                       |                                 | 1.00 | 0.82 | 7.255                    | 7.981 | 185.01 | 1.200 | * 0.000 | 1.00                          | 3.394 | 4.07 | 32.5          | 0.0 | 291.2 |  |
| 55.00                       |                                 | 1.00 | 0.83 | 7.294                    | 8.023 | 184.73 | 1.200 | * 0.000 | 1.00                          | 3.380 | 4.06 | 32.5          | 0.0 | 290.0 |  |
| 56.00                       |                                 | 1.00 | 0.83 | 7.331                    | 8.064 | 185.85 | 1.200 | * 0.000 | 1.00                          | 3.392 | 4.07 | 32.8          | 0.0 | 265.0 |  |
| 57.00                       |                                 | 1.00 | 0.84 | 7.368                    | 8.105 | 185.54 | 1.200 | * 0.000 | 1.00                          | 3.378 | 4.05 | 32.9          | 0.0 | 263.9 |  |
| 58.00                       |                                 | 1.00 | 0.84 | 7.405                    | 8.146 | 185.23 | 1.200 | * 0.000 | 1.00                          | 3.364 | 4.04 | 32.9          | 0.0 | 262.7 |  |
| 59.00                       |                                 | 1.00 | 0.85 | 7.441                    | 8.186 | 184.90 | 1.200 | * 0.000 | 1.00                          | 3.350 | 4.02 | 32.9          | 0.0 | 261.6 |  |
| 60.00                       |                                 | 1.00 | 0.85 | 7.477                    | 8.225 | 184.56 | 1.200 | * 0.000 | 1.00                          | 3.336 | 4.00 | 32.9          | 0.0 | 260.5 |  |
| 61.00                       |                                 | 1.00 | 0.85 | 7.513                    | 8.264 | 184.22 | 1.200 | * 0.000 | 1.00                          | 3.322 | 3.99 | 32.9          | 0.0 | 259.4 |  |
| 62.00                       |                                 | 1.00 | 0.86 | 7.548                    | 8.302 | 183.86 | 1.200 | * 0.000 | 1.00                          | 3.308 | 3.97 | 33.0          | 0.0 | 258.3 |  |
| 63.00                       |                                 | 1.00 | 0.86 | 7.582                    | 8.340 | 183.50 | 1.200 | * 0.000 | 1.00                          | 3.293 | 3.95 | 33.0          | 0.0 | 257.1 |  |
| 64.00                       |                                 | 1.00 | 0.87 | 7.616                    | 8.378 | 183.12 | 1.200 | * 0.000 | 1.00                          | 3.279 | 3.94 | 33.0          | 0.0 | 256.0 |  |
| 65.00                       |                                 | 1.00 | 0.87 | 7.650                    | 8.415 | 182.74 | 1.200 | * 0.000 | 1.00                          | 3.265 | 3.92 | 33.0          | 0.0 | 254.9 |  |
| 66.00                       |                                 | 1.00 | 0.87 | 7.684                    | 8.452 | 182.34 | 1.200 | * 0.000 | 1.00                          | 3.251 | 3.90 | 33.0          | 0.0 | 253.8 |  |
| 67.00                       | Top - Section 3                 | 1.00 | 0.88 | 7.717                    | 8.488 | 181.94 | 1.200 | * 0.000 | 1.00                          | 3.237 | 3.88 | 33.0          | 0.0 | 252.7 |  |
| 68.00                       |                                 | 1.00 | 0.88 | 7.749                    | 8.524 | 181.53 | 1.200 | * 0.000 | 1.00                          | 3.223 | 3.87 | 33.0          | 0.0 | 251.6 |  |
| 69.00                       |                                 | 1.00 | 0.88 | 7.782                    | 8.560 | 181.11 | 1.200 | * 0.000 | 1.00                          | 3.209 | 3.85 | 33.0          | 0.0 | 250.4 |  |
| 70.00                       |                                 | 1.00 | 0.89 | 7.814                    | 8.595 | 180.69 | 1.200 | * 0.000 | 1.00                          | 3.195 | 3.83 | 33.0          | 0.0 | 249.3 |  |
| 71.00                       |                                 | 1.00 | 0.89 | 7.846                    | 8.630 | 180.25 | 1.200 | * 0.000 | 1.00                          | 3.181 | 3.82 | 32.9          | 0.0 | 248.2 |  |
| 72.00                       |                                 | 1.00 | 0.90 | 7.877                    | 8.665 | 179.81 | 1.200 | * 0.000 | 1.00                          | 3.167 | 3.80 | 32.9          | 0.0 | 247.1 |  |
| 73.00                       |                                 | 1.00 | 0.90 | 7.908                    | 8.699 | 179.36 | 1.200 | * 0.000 | 1.00                          | 3.153 | 3.78 | 32.9          | 0.0 | 246.0 |  |
| 74.00                       |                                 | 1.00 | 0.90 | 7.939                    | 8.733 | 178.91 | 1.200 | * 0.000 | 1.00                          | 3.138 | 3.77 | 32.9          | 0.0 | 244.8 |  |
| 75.00                       |                                 | 1.00 | 0.91 | 7.969                    | 8.766 | 178.44 | 1.200 | * 0.000 | 1.00                          | 3.124 | 3.75 | 32.9          | 0.0 | 243.7 |  |
| 76.00                       |                                 | 1.00 | 0.91 | 8.000                    | 8.800 | 177.97 | 1.200 | * 0.000 | 1.00                          | 3.110 | 3.73 | 32.8          | 0.0 | 194.8 |  |
| 77.00                       |                                 | 1.00 | 0.91 | 8.030                    | 8.833 | 177.50 | 1.200 | * 0.000 | 1.00                          | 3.096 | 3.72 | 32.8          | 0.0 | 193.9 |  |
| 78.00                       |                                 | 1.00 | 0.92 | 8.059                    | 8.865 | 177.01 | 1.200 | * 0.000 | 1.00                          | 3.082 | 3.70 | 32.8          | 0.0 | 193.0 |  |
| 79.00                       |                                 | 1.00 | 0.92 | 8.089                    | 8.897 | 176.52 | 1.200 | * 0.000 | 1.00                          | 3.068 | 3.68 | 32.8          | 0.0 | 192.1 |  |
| 80.00                       |                                 | 1.00 | 0.92 | 8.118                    | 8.930 | 176.03 | 1.200 | * 0.000 | 1.00                          | 3.054 | 3.66 | 32.7          | 0.0 | 191.2 |  |
| 81.00                       |                                 | 1.00 | 0.93 | 8.147                    | 8.961 | 175.52 | 1.200 | * 0.000 | 1.00                          | 3.040 | 3.65 | 32.7          | 0.0 | 190.3 |  |
| 82.00                       |                                 | 1.00 | 0.93 | 8.175                    | 8.993 | 175.01 | 1.200 | * 0.000 | 1.00                          | 3.026 | 3.63 | 32.7          | 0.0 | 189.4 |  |
| 83.00                       | Reinf Bottom<br>Top - Section 4 | 1.00 | 0.93 | 8.204                    | 9.024 | 174.50 | 1.200 | * 0.000 | 1.00                          | 3.012 | 3.61 | 32.6          | 0.0 | 188.5 |  |
| 84.00                       |                                 | 1.00 | 0.94 | 8.232                    | 9.055 | 173.98 | 1.200 | * 0.000 | 1.00                          | 2.998 | 3.60 | 32.6          | 0.0 | 187.6 |  |
| 84.67                       |                                 | 1.00 | 0.94 | 8.250                    | 9.075 | 173.62 | 1.200 | * 0.000 | 0.67                          | 2.000 | 2.40 | 21.8          | 0.0 | 125.2 |  |
| 85.00                       |                                 | 1.00 | 0.94 | 8.260                    | 9.086 | 173.45 | 1.200 | * 0.000 | 0.33                          | 0.983 | 1.18 | 10.7          | 0.0 | 78.0  |  |
| 86.00                       |                                 | 1.00 | 0.94 | 8.287                    | 9.116 | 126.26 | 1.000 | * 0.000 | 1.00                          | 2.170 | 2.17 | 19.8          | 0.0 | 118.3 |  |
| 87.00                       |                                 | 1.00 | 0.95 | 8.315                    | 9.146 | 125.66 | 1.000 | * 0.000 | 1.00                          | 2.156 | 2.16 | 19.7          | 0.0 | 117.9 |  |
| 88.00                       |                                 | 1.00 | 0.95 | 8.342                    | 9.176 | 125.06 | 1.000 | * 0.000 | 1.00                          | 2.142 | 2.14 | 19.7          | 0.0 | 117.4 |  |
| 89.00                       |                                 | 1.00 | 0.95 | 8.369                    | 9.206 | 124.46 | 1.000 | * 0.000 | 1.00                          | 2.129 | 2.13 | 19.6          | 0.0 | 117.0 |  |
| 90.00                       |                                 | 1.00 | 0.95 | 8.396                    | 9.235 | 123.85 | 1.000 | * 0.000 | 1.00                          | 2.115 | 2.11 | 19.5          | 0.0 | 116.6 |  |
| 91.00                       |                                 | 1.00 | 0.96 | 8.422                    | 9.264 | 123.24 | 1.000 | * 0.000 | 1.00                          | 2.101 | 2.10 | 19.5          | 0.0 | 116.1 |  |
| 92.00                       |                                 | 1.00 | 0.96 | 8.448                    | 9.293 | 122.62 | 1.000 | * 0.000 | 1.00                          | 2.087 | 2.09 | 19.4          | 0.0 | 115.7 |  |
| 93.00                       |                                 | 1.00 | 0.96 | 8.475                    | 9.322 | 122.00 | 1.200 | * 0.000 | 1.00                          | 2.074 | 2.49 | 23.2          | 0.0 | 115.3 |  |
| 94.00                       |                                 | 1.00 | 0.97 | 8.501                    | 9.351 | 121.37 | 1.200 | * 0.000 | 1.00                          | 2.060 | 2.47 | 23.1          | 0.0 | 114.8 |  |
| 95.00                       |                                 | 1.00 | 0.97 | 8.526                    | 9.379 | 120.74 | 1.200 | * 0.000 | 1.00                          | 2.046 | 2.46 | 23.0          | 0.0 | 114.4 |  |
| 95.44                       |                                 | 1.00 | 0.97 | 8.538                    | 9.391 | 120.47 | 1.200 | * 0.000 | 0.44                          | 0.896 | 1.08 | 10.1          | 0.0 | 50.2  |  |
| 96.00                       |                                 | 1.00 | 0.97 | 8.552                    | 9.407 | 120.11 | 1.200 | * 0.000 | 0.56                          | 1.136 | 1.36 | 12.8          | 0.0 | 35.7  |  |
| 97.00                       | Reinf. Top                      | 1.00 | 0.98 | 8.577                    | 9.435 | 119.47 | 1.200 | * 0.000 | 1.00                          | 2.019 | 2.42 | 22.9          | 0.0 | 63.4  |  |
| 98.00                       |                                 | 1.00 | 0.98 | 8.602                    | 9.463 | 118.83 | 1.200 | * 0.000 | 1.00                          | 2.005 | 2.41 | 22.8          | 0.0 | 63.0  |  |
| 99.00                       |                                 | 1.00 | 0.98 | 8.627                    | 9.490 | 118.19 | 1.200 | * 0.000 | 1.00                          | 1.991 | 2.39 | 22.7          | 0.0 | 62.5  |  |
| 100.0                       |                                 | 1.00 | 0.98 | 8.652                    | 9.517 | 117.54 | 1.200 | * 0.000 | 1.00                          | 1.978 | 2.37 | 22.6          | 0.0 | 62.1  |  |
| 101.0                       |                                 | 1.00 | 0.99 | 8.677                    | 9.544 | 116.88 | 1.000 | 0.000   | 1.00                          | 1.964 | 1.96 | 18.7          | 0.0 | 61.7  |  |
| 102.0                       |                                 | 1.00 | 0.99 | 8.701                    | 9.571 | 116.23 | 1.000 | 0.000   | 1.00                          | 1.950 | 1.95 | 18.7          | 0.0 | 61.2  |  |
| 103.0                       |                                 | 1.00 | 0.99 | 8.726                    | 9.598 | 115.57 | 1.000 | 0.000   | 1.00                          | 1.936 | 1.94 | 18.6          | 0.0 | 60.8  |  |
| 104.0                       |                                 | 1.00 | 0.99 | 8.750                    | 9.625 | 114.90 | 1.000 | 0.000   | 1.00                          | 1.923 | 1.92 | 18.5          | 0.0 | 60.4  |  |
| 105.0                       |                                 | 1.00 | 1.00 | 8.774                    | 9.651 | 114.23 | 1.000 | 0.000   | 1.00                          | 1.909 | 1.91 | 18.4          | 0.0 | 59.9  |  |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

|       |                 |      |      |       |       |        |       |       |      |       |      |      |     |      |
|-------|-----------------|------|------|-------|-------|--------|-------|-------|------|-------|------|------|-----|------|
| 106.0 |                 | 1.00 | 1.00 | 8.797 | 9.677 | 113.56 | 1.000 | 0.000 | 1.00 | 1.895 | 1.90 | 18.3 | 0.0 | 59.5 |
| 107.0 |                 | 1.00 | 1.00 | 8.821 | 9.703 | 112.89 | 1.000 | 0.000 | 1.00 | 1.881 | 1.88 | 18.3 | 0.0 | 59.0 |
| 108.0 |                 | 1.00 | 1.01 | 8.845 | 9.729 | 112.21 | 1.000 | 0.000 | 1.00 | 1.868 | 1.87 | 18.2 | 0.0 | 58.6 |
| 109.0 |                 | 1.00 | 1.01 | 8.868 | 9.755 | 111.53 | 1.000 | 0.000 | 1.00 | 1.854 | 1.85 | 18.1 | 0.0 | 58.2 |
| 110.0 | Top - Section 5 | 1.00 | 1.01 | 8.891 | 9.780 | 110.84 | 1.000 | 0.000 | 1.00 | 1.840 | 1.84 | 18.0 | 0.0 | 57.7 |
| 111.0 |                 | 1.00 | 1.01 | 8.914 | 9.805 | 110.17 | 1.000 | 0.000 | 1.00 | 1.827 | 1.83 | 17.9 | 0.0 | 43.1 |
| 112.0 |                 | 1.00 | 1.02 | 8.937 | 9.831 | 109.49 | 1.000 | 0.000 | 1.00 | 1.813 | 1.81 | 17.8 | 0.0 | 42.8 |
| 113.0 |                 | 1.00 | 1.02 | 8.960 | 9.856 | 108.82 | 1.000 | 0.000 | 1.00 | 1.800 | 1.80 | 17.7 | 0.0 | 42.5 |
| 114.0 |                 | 1.00 | 1.02 | 8.982 | 9.880 | 108.13 | 1.000 | 0.000 | 1.00 | 1.786 | 1.79 | 17.6 | 0.0 | 42.1 |
| 115.0 |                 | 1.00 | 1.02 | 9.005 | 9.905 | 107.45 | 1.000 | 0.000 | 1.00 | 1.773 | 1.77 | 17.6 | 0.0 | 41.8 |
| 116.0 |                 | 1.00 | 1.03 | 9.027 | 9.930 | 106.76 | 1.000 | 0.000 | 1.00 | 1.759 | 1.76 | 17.5 | 0.0 | 41.5 |
| 117.0 |                 | 1.00 | 1.03 | 9.049 | 9.954 | 106.07 | 1.000 | 0.000 | 1.00 | 1.746 | 1.75 | 17.4 | 0.0 | 41.2 |
| 118.0 |                 | 1.00 | 1.03 | 9.071 | 9.978 | 105.37 | 1.000 | 0.000 | 1.00 | 1.732 | 1.73 | 17.3 | 0.0 | 40.9 |
| 119.0 |                 | 1.00 | 1.03 | 9.093 | 10.00 | 104.68 | 1.000 | 0.000 | 1.00 | 1.719 | 1.72 | 17.2 | 0.0 | 40.5 |
| 120.0 |                 | 1.00 | 1.04 | 9.115 | 10.02 | 103.98 | 1.000 | 0.000 | 1.00 | 1.705 | 1.71 | 17.1 | 0.0 | 40.2 |
| 121.0 |                 | 1.00 | 1.04 | 9.136 | 10.05 | 103.27 | 1.000 | 0.000 | 1.00 | 1.692 | 1.69 | 17.0 | 0.0 | 39.9 |
| 122.0 |                 | 1.00 | 1.04 | 9.158 | 10.07 | 102.57 | 1.000 | 0.000 | 1.00 | 1.678 | 1.68 | 16.9 | 0.0 | 39.6 |
| 123.0 |                 | 1.00 | 1.04 | 9.179 | 10.09 | 101.86 | 1.000 | 0.000 | 1.00 | 1.665 | 1.66 | 16.8 | 0.0 | 39.3 |
| 124.0 |                 | 1.00 | 1.05 | 9.201 | 10.12 | 101.15 | 1.000 | 0.000 | 1.00 | 1.651 | 1.65 | 16.7 | 0.0 | 38.9 |
| 125.0 |                 | 1.00 | 1.05 | 9.222 | 10.14 | 100.44 | 1.000 | 0.000 | 1.00 | 1.638 | 1.64 | 16.6 | 0.0 | 38.6 |
| 126.0 |                 | 1.00 | 1.05 | 9.243 | 10.16 | 99.723 | 1.000 | 0.000 | 1.00 | 1.624 | 1.62 | 16.5 | 0.0 | 38.3 |
| 127.0 |                 | 1.00 | 1.05 | 9.264 | 10.19 | 99.004 | 1.000 | 0.000 | 1.00 | 1.611 | 1.61 | 16.4 | 0.0 | 38.0 |
| 128.0 |                 | 1.00 | 1.06 | 9.284 | 10.21 | 98.282 | 1.000 | 0.000 | 1.00 | 1.597 | 1.60 | 16.3 | 0.0 | 37.7 |
| 129.0 |                 | 1.00 | 1.06 | 9.305 | 10.23 | 97.557 | 1.000 | 0.000 | 1.00 | 1.584 | 1.58 | 16.2 | 0.0 | 37.3 |
| 130.0 | Appertunance(s) | 1.00 | 1.06 | 9.326 | 10.25 | 96.830 | 1.000 | 0.000 | 1.00 | 1.570 | 1.57 | 16.1 | 0.0 | 37.0 |
| 131.0 |                 | 1.00 | 1.06 | 9.346 | 10.28 | 96.101 | 1.000 | 0.000 | 1.00 | 1.557 | 1.56 | 16.0 | 0.0 | 36.7 |
| 132.0 |                 | 1.00 | 1.07 | 9.366 | 10.30 | 95.369 | 1.000 | 0.000 | 1.00 | 1.543 | 1.54 | 15.9 | 0.0 | 36.4 |
| 133.0 |                 | 1.00 | 1.07 | 9.387 | 10.32 | 94.634 | 1.000 | 0.000 | 1.00 | 1.530 | 1.53 | 15.8 | 0.0 | 36.0 |
| 134.0 |                 | 1.00 | 1.07 | 9.407 | 10.34 | 93.897 | 1.000 | 0.000 | 1.00 | 1.517 | 1.52 | 15.7 | 0.0 | 35.7 |
| 135.0 |                 | 1.00 | 1.07 | 9.427 | 10.36 | 93.157 | 1.000 | 0.000 | 1.00 | 1.503 | 1.50 | 15.6 | 0.0 | 35.4 |
| 136.0 |                 | 1.00 | 1.07 | 9.447 | 10.39 | 92.416 | 1.000 | 0.000 | 1.00 | 1.490 | 1.49 | 15.5 | 0.0 | 35.1 |
| 137.0 |                 | 1.00 | 1.08 | 9.466 | 10.41 | 91.671 | 1.000 | 0.000 | 1.00 | 1.476 | 1.48 | 15.4 | 0.0 | 34.8 |
| 138.0 |                 | 1.00 | 1.08 | 9.486 | 10.43 | 90.925 | 1.000 | 0.000 | 1.00 | 1.463 | 1.46 | 15.3 | 0.0 | 34.4 |
| 139.0 |                 | 1.00 | 1.08 | 9.506 | 10.45 | 90.176 | 1.000 | 0.000 | 1.00 | 1.449 | 1.45 | 15.2 | 0.0 | 34.1 |
| 140.0 | Appertunance(s) | 1.00 | 1.08 | 9.525 | 10.47 | 89.425 | 1.000 | 0.000 | 1.00 | 1.436 | 1.44 | 15.0 | 0.0 | 33.8 |
| 141.0 |                 | 1.00 | 1.09 | 9.545 | 10.49 | 88.671 | 1.000 | 0.000 | 1.00 | 1.422 | 1.42 | 14.9 | 0.0 | 33.5 |
| 142.0 |                 | 1.00 | 1.09 | 9.564 | 10.52 | 87.915 | 1.000 | 0.000 | 1.00 | 1.409 | 1.41 | 14.8 | 0.0 | 33.2 |
| 143.0 |                 | 1.00 | 1.09 | 9.583 | 10.54 | 87.157 | 1.000 | 0.000 | 1.00 | 1.395 | 1.40 | 14.7 | 0.0 | 32.8 |
| 144.0 |                 | 1.00 | 1.09 | 9.602 | 10.56 | 86.397 | 1.000 | 0.000 | 1.00 | 1.382 | 1.38 | 14.6 | 0.0 | 32.5 |
| 145.0 |                 | 1.00 | 1.09 | 9.621 | 10.58 | 85.635 | 1.000 | 0.000 | 1.00 | 1.368 | 1.37 | 14.5 | 0.0 | 32.2 |
| 146.0 |                 | 1.00 | 1.10 | 9.640 | 10.60 | 84.870 | 1.000 | 0.000 | 1.00 | 1.355 | 1.35 | 14.4 | 0.0 | 31.9 |
| 147.0 |                 | 1.00 | 1.10 | 9.659 | 10.62 | 84.103 | 1.000 | 0.000 | 1.00 | 1.341 | 1.34 | 14.3 | 0.0 | 31.6 |
| 148.0 |                 | 1.00 | 1.10 | 9.678 | 10.64 | 83.334 | 1.000 | 0.000 | 1.00 | 1.328 | 1.33 | 14.1 | 0.0 | 31.2 |
| 149.0 |                 | 1.00 | 1.10 | 9.696 | 10.66 | 82.564 | 1.000 | 0.000 | 1.00 | 1.314 | 1.31 | 14.0 | 0.0 | 30.9 |
| 150.0 | Appertunance(s) | 1.00 | 1.11 | 9.715 | 10.68 | 81.790 | 1.000 | 0.000 | 1.00 | 1.301 | 1.30 | 13.9 | 0.0 | 30.6 |

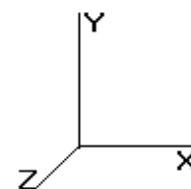
\* = Cf Adjusted By Linear Load Ra Effect

Totals: 450.00 60,492.7 0.0 90,352.0

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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

60.00 mph Serviceability

28 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)

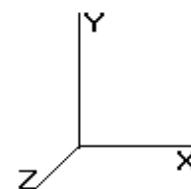
| Elev<br>(ft) | Description          | Qty | qz<br>(psf) | qzGh<br>(psf) | Orientation<br>Factor | Ka   | Total<br>EPAa<br>(sf) | Horiz<br>Ecc<br>(ft) | Vert<br>Ecc<br>(ft) | Wind<br>FX<br>(lb) | Mom<br>Y<br>(lb-ft) | Mom<br>Z<br>(lb-ft) | Dead<br>Load<br>(lb) |
|--------------|----------------------|-----|-------------|---------------|-----------------------|------|-----------------------|----------------------|---------------------|--------------------|---------------------|---------------------|----------------------|
| 75.00        | PCTEL GPS-TMG-HR-    | 1   | 7.969       | 8.766         | 1.00                  | 1.00 | 0.09                  | 0.000                | 0.000               | 0.79               | 0.00                | 0.00                | 0.60                 |
| 110.0        | 48" x 12" Panels     | 9   | 8.891       | 9.780         | 0.67                  | 0.80 | 24.46                 | 0.000                | 0.000               | 239.20             | 0.00                | 0.00                | 270.00               |
| 110.0        | 72" x 12" Panels     | 3   | 8.891       | 9.780         | 0.67                  | 0.80 | 13.07                 | 0.000                | 0.000               | 127.86             | 0.00                | 0.00                | 135.00               |
| 110.0        | Round T-Arms         | 3   | 8.891       | 9.780         | 0.67                  | 0.75 | 14.62                 | 0.000                | 0.000               | 143.01             | 0.00                | 0.00                | 750.00               |
| 130.0        | Antel BXA-70063/6CF  | 3   | 9.366       | 10.303        | 0.77                  | 0.80 | 14.01                 | 0.000                | 2.000               | 144.32             | 0.00                | 288.65              | 44.70                |
| 130.0        | Antel LPA-80080/6CF  | 4   | 9.366       | 10.303        | 0.75                  | 0.80 | 20.71                 | 0.000                | 2.000               | 213.40             | 0.00                | 426.79              | 84.00                |
| 130.0        | Antel BXA-171085-8BF | 2   | 9.366       | 10.303        | 0.87                  | 0.80 | 4.09                  | 0.000                | 2.000               | 42.17              | 0.00                | 84.33               | 21.00                |
| 130.0        | Antel BXA-171063-8BF | 1   | 9.366       | 10.303        | 0.87                  | 0.80 | 2.05                  | 0.000                | 2.000               | 21.08              | 0.00                | 42.17               | 10.50                |
| 130.0        | Round Low Profile PI | 1   | 9.326       | 10.258        | 1.00                  | 1.00 | 21.70                 | 0.000                | 0.000               | 222.60             | 0.00                | 0.00                | 1,500.00             |
| 130.0        | RFS FD9R6004/2C-3L   | 6   | 9.366       | 10.303        | 0.50                  | 0.80 | 0.89                  | 0.000                | 2.000               | 9.15               | 0.00                | 18.30               | 15.60                |
| 130.0        | Antel LPA-80063/6CF  | 2   | 9.366       | 10.303        | 0.95                  | 0.80 | 14.58                 | 0.000                | 2.000               | 150.19             | 0.00                | 300.37              | 54.00                |
| 140.0        | Round Low Profile PI | 1   | 9.525       | 10.478        | 1.00                  | 1.00 | 18.00                 | 0.000                | 0.000               | 188.60             | 0.00                | 0.00                | 1,200.00             |
| 140.0        | Alcatel-Lucent 800 M | 3   | 9.525       | 10.478        | 0.67                  | 0.80 | 3.31                  | 0.000                | 0.000               | 34.71              | 0.00                | 0.00                | 192.00               |
| 140.0        | RFS APXVSP18-C-      | 3   | 9.525       | 10.478        | 0.83                  | 0.80 | 15.98                 | 0.000                | 0.000               | 167.39             | 0.00                | 0.00                | 171.00               |
| 140.0        | Alcatel-Lucent 1900  | 3   | 9.525       | 10.478        | 0.67                  | 0.80 | 3.73                  | 0.000                | 0.000               | 39.09              | 0.00                | 0.00                | 180.00               |
| 140.0        | Alcatel-Lucent TD-RR | 3   | 9.525       | 10.478        | 0.67                  | 0.80 | 6.51                  | 0.000                | 0.000               | 68.24              | 0.00                | 0.00                | 210.00               |
| 140.0        | RFS APXV9TM14-ALU-   | 3   | 9.525       | 10.478        | 0.78                  | 0.80 | 11.87                 | 0.000                | 0.000               | 124.36             | 0.00                | 0.00                | 165.30               |
| 150.0        | Powerwave 7770.00A   | 6   | 9.788       | 10.767        | 0.76                  | 0.80 | 20.28                 | 0.000                | 4.000               | 218.39             | 0.00                | 873.54              | 162.00               |
| 150.0        | Andrew ABT-DMDM-     | 6   | 9.788       | 10.767        | 0.50                  | 0.80 | 0.12                  | 0.000                | 4.000               | 1.29               | 0.00                | 5.17                | 6.60                 |
| 150.0        | Round Low Profile PI | 1   | 9.715       | 10.686        | 1.00                  | 1.00 | 21.70                 | 0.000                | 0.000               | 231.89             | 0.00                | 0.00                | 1,500.00             |
| 150.0        | KMW AM-X-CD-16-65-   | 3   | 9.788       | 10.767        | 0.79                  | 0.80 | 15.21                 | 0.000                | 4.000               | 163.72             | 0.00                | 654.89              | 145.50               |
| 150.0        | Ericsson RRUS 11 (Ba | 6   | 9.788       | 10.767        | 0.67                  | 0.80 | 8.27                  | 0.000                | 4.000               | 88.99              | 0.00                | 355.96              | 300.00               |
|              |                      |     |             |               |                       |      |                       |                      |                     | 2,640.42           |                     |                     | 7,117.80             |



Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10

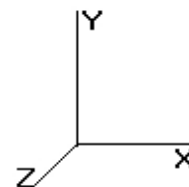
Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

## Linear Appurtenance Segment Forces (Factored)

| Seg Top<br>Elev<br>(ft) | Description     | Exposed<br>To Wind | Length<br>(ft) | Ca    | Exposed<br>Width<br>(in) | Area<br>(sqft) | CaAa<br>(sqft) | qz<br>(psf) | Ra    | Cf<br>Adjust<br>Factor | FX<br>(lb) | Dead<br>Load<br>(lb) |
|-------------------------|-----------------|--------------------|----------------|-------|--------------------------|----------------|----------------|-------------|-------|------------------------|------------|----------------------|
| 6.00                    | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.244 | 0.000                  | 5.16       | 0.00                 |
| 7.00                    | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.247 | 0.000                  | 5.16       | 0.00                 |
| 8.00                    | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.250 | 0.000                  | 5.16       | 0.00                 |
| 9.00                    | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.253 | 0.000                  | 5.16       | 0.00                 |
| 10.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.256 | 0.000                  | 5.16       | 0.00                 |
| 11.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.259 | 0.000                  | 5.16       | 0.00                 |
| 12.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.262 | 0.000                  | 5.16       | 0.00                 |
| 13.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.265 | 0.000                  | 5.16       | 0.00                 |
| 14.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.268 | 0.000                  | 5.16       | 0.00                 |
| 15.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.272 | 0.000                  | 5.16       | 0.00                 |
| 16.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.272 | 0.000                  | 5.16       | 0.00                 |
| 17.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.273 | 0.000                  | 5.16       | 0.00                 |
| 18.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.274 | 0.000                  | 5.16       | 0.00                 |
| 19.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.275 | 0.000                  | 5.16       | 0.00                 |
| 20.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.276 | 0.000                  | 5.16       | 0.00                 |
| 21.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.277 | 0.000                  | 5.16       | 0.00                 |
| 22.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.278 | 0.000                  | 5.16       | 0.00                 |
| 23.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.279 | 0.000                  | 5.16       | 0.00                 |
| 24.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.280 | 0.000                  | 5.16       | 0.00                 |
| 25.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.282 | 0.000                  | 5.16       | 0.00                 |
| 26.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.283 | 0.000                  | 5.16       | 0.00                 |
| 27.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.284 | 0.000                  | 5.16       | 0.00                 |
| 28.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.285 | 0.000                  | 5.16       | 0.00                 |
| 29.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.129       | 0.286 | 0.000                  | 5.16       | 0.00                 |
| 30.00                   | (2) Seam Flange | Yes                | 1.00           | 0.715 | 12.84                    | 1.07           | 0.76           | 6.134       | 0.287 | 0.000                  | 5.16       | 0.00                 |
| 31.00                   | (2) Seam Flange | Yes                | 1.00           | 0.711 | 12.84                    | 1.07           | 0.76           | 6.192       | 0.288 | 0.000                  | 5.18       | 0.00                 |
| 32.00                   | (2) Seam Flange | Yes                | 1.00           | 0.708 | 12.84                    | 1.07           | 0.76           | 6.248       | 0.289 | 0.000                  | 5.21       | 0.00                 |
| 33.00                   | (2) Seam Flange | Yes                | 1.00           | 0.705 | 12.84                    | 1.07           | 0.75           | 6.303       | 0.290 | 0.000                  | 5.23       | 0.00                 |
| 34.00                   | (2) Seam Flange | Yes                | 1.00           | 0.702 | 12.84                    | 1.07           | 0.75           | 6.357       | 0.291 | 0.000                  | 5.25       | 0.00                 |
| 35.00                   | (2) Seam Flange | Yes                | 1.00           | 0.699 | 12.84                    | 1.07           | 0.75           | 6.410       | 0.292 | 0.000                  | 5.27       | 0.00                 |
| 36.00                   | (2) Seam Flange | Yes                | 1.00           | 0.696 | 12.84                    | 1.07           | 0.74           | 6.462       | 0.293 | 0.000                  | 5.30       | 0.00                 |
| 37.00                   | (2) Seam Flange | Yes                | 1.00           | 0.694 | 12.84                    | 1.07           | 0.74           | 6.513       | 0.295 | 0.000                  | 5.32       | 0.00                 |
| 38.00                   | (2) Seam Flange | Yes                | 1.00           | 0.691 | 12.84                    | 1.07           | 0.74           | 6.562       | 0.296 | 0.000                  | 5.34       | 0.00                 |
| 39.00                   | (2) Seam Flange | Yes                | 1.00           | 0.688 | 12.84                    | 1.07           | 0.74           | 6.611       | 0.297 | 0.000                  | 5.36       | 0.00                 |
| 40.00                   | (2) Seam Flange | Yes                | 1.00           | 0.686 | 12.84                    | 1.07           | 0.73           | 6.659       | 0.298 | 0.000                  | 5.38       | 0.00                 |
| 41.00                   | (2) Seam Flange | Yes                | 1.00           | 0.683 | 12.84                    | 1.07           | 0.73           | 6.706       | 0.299 | 0.000                  | 5.39       | 0.00                 |
| 42.00                   | (2) Seam Flange | Yes                | 1.00           | 0.681 | 12.84                    | 1.07           | 0.73           | 6.753       | 0.300 | 0.000                  | 5.41       | 0.00                 |
| 43.00                   | (2) Seam Flange | Yes                | 1.00           | 0.679 | 12.84                    | 1.07           | 0.73           | 6.798       | 0.302 | 0.000                  | 5.43       | 0.00                 |
| 44.00                   | (2) Seam Flange | Yes                | 1.00           | 0.677 | 12.84                    | 1.07           | 0.72           | 6.843       | 0.303 | 0.000                  | 5.45       | 0.00                 |
| 45.00                   | (2) Seam Flange | Yes                | 1.00           | 0.674 | 12.84                    | 1.07           | 0.72           | 6.887       | 0.304 | 0.000                  | 5.47       | 0.00                 |
| 46.00                   | (2) Seam Flange | Yes                | 1.00           | 0.672 | 12.84                    | 1.07           | 0.72           | 6.931       | 0.305 | 0.000                  | 5.48       | 0.00                 |
| 47.00                   | (2) Seam Flange | Yes                | 1.00           | 0.670 | 12.84                    | 1.07           | 0.72           | 6.973       | 0.306 | 0.000                  | 5.50       | 0.00                 |
| 48.00                   | (2) Seam Flange | Yes                | 1.00           | 0.668 | 12.84                    | 1.07           | 0.71           | 7.015       | 0.308 | 0.000                  | 5.52       | 0.00                 |
| 49.00                   | (2) Seam Flange | Yes                | 1.00           | 0.666 | 12.84                    | 1.07           | 0.71           | 7.057       | 0.309 | 0.000                  | 5.53       | 0.00                 |
| 50.00                   | (2) Seam Flange | Yes                | 1.00           | 0.664 | 12.84                    | 1.07           | 0.71           | 7.098       | 0.310 | 0.000                  | 5.55       | 0.00                 |
| 51.00                   | (2) Seam Flange | Yes                | 1.00           | 0.662 | 12.84                    | 1.07           | 0.71           | 7.138       | 0.311 | 0.000                  | 5.57       | 0.00                 |
| 52.00                   | (2) Seam Flange | Yes                | 1.00           | 0.661 | 12.84                    | 1.07           | 0.71           | 7.178       | 0.313 | 0.000                  | 5.58       | 0.00                 |
| 53.00                   | (2) Seam Flange | Yes                | 1.00           | 0.659 | 12.84                    | 1.07           | 0.70           | 7.217       | 0.314 | 0.000                  | 5.60       | 0.00                 |
| 54.00                   | (2) Seam Flange | Yes                | 1.00           | 0.657 | 12.84                    | 1.07           | 0.70           | 7.255       | 0.315 | 0.000                  | 5.61       | 0.00                 |
| 55.00                   | (2) Seam Flange | Yes                | 1.00           | 0.655 | 12.84                    | 1.07           | 0.70           | 7.294       | 0.317 | 0.000                  | 5.63       | 0.00                 |
| 56.00                   | (2) Seam Flange | Yes                | 1.00           | 0.654 | 12.84                    | 1.07           | 0.70           | 7.331       | 0.315 | 0.000                  | 5.64       | 0.00                 |

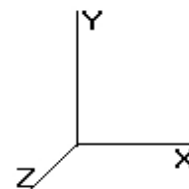


| Load Case: 1.0D + 1.0W      |                      |     | 60.00 mph Serviceability      |       |       |      |      |       |       | 28 Iterations |      |       |
|-----------------------------|----------------------|-----|-------------------------------|-------|-------|------|------|-------|-------|---------------|------|-------|
| Gust Response Factor : 1.10 |                      |     | Wind Importance Factor : 1.00 |       |       |      |      |       |       |               |      |       |
| Dead Load Factor : 1.00     |                      |     |                               |       |       |      |      |       |       |               |      |       |
| Wind Load Factor : 1.00     |                      |     |                               |       |       |      |      |       |       |               |      |       |
| 57.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.652 | 12.84 | 1.07 | 0.70 | 7.368 | 0.317 | 0.000         | 5.65 | 0.00  |
| 58.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.650 | 12.84 | 1.07 | 0.70 | 7.405 | 0.318 | 0.000         | 5.67 | 0.00  |
| 59.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.649 | 12.84 | 1.07 | 0.69 | 7.441 | 0.319 | 0.000         | 5.68 | 0.00  |
| 60.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.647 | 12.84 | 1.07 | 0.69 | 7.477 | 0.321 | 0.000         | 5.70 | 0.00  |
| 61.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.646 | 12.84 | 1.07 | 0.69 | 7.513 | 0.322 | 0.000         | 5.71 | 0.00  |
| 62.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.644 | 12.84 | 1.07 | 0.69 | 7.548 | 0.324 | 0.000         | 5.72 | 0.00  |
| 63.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.643 | 12.84 | 1.07 | 0.69 | 7.582 | 0.325 | 0.000         | 5.74 | 0.00  |
| 64.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.641 | 12.84 | 1.07 | 0.69 | 7.616 | 0.326 | 0.000         | 5.75 | 0.00  |
| 65.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.640 | 12.84 | 1.07 | 0.68 | 7.650 | 0.328 | 0.000         | 5.76 | 0.00  |
| 66.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.638 | 12.84 | 1.07 | 0.68 | 7.684 | 0.329 | 0.000         | 5.77 | 0.00  |
| 67.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.637 | 12.84 | 1.07 | 0.68 | 7.717 | 0.331 | 0.000         | 5.79 | 0.00  |
| 68.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.636 | 12.84 | 1.07 | 0.68 | 7.749 | 0.332 | 0.000         | 5.80 | 0.00  |
| 69.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.634 | 12.84 | 1.07 | 0.68 | 7.782 | 0.333 | 0.000         | 5.81 | 0.00  |
| 70.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.633 | 12.84 | 1.07 | 0.68 | 7.814 | 0.335 | 0.000         | 5.82 | 0.00  |
| 71.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.632 | 12.84 | 1.07 | 0.68 | 7.846 | 0.336 | 0.000         | 5.83 | 0.00  |
| 72.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.631 | 12.84 | 1.07 | 0.67 | 7.877 | 0.338 | 0.000         | 5.85 | 0.00  |
| 73.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.629 | 12.84 | 1.07 | 0.67 | 7.908 | 0.339 | 0.000         | 5.86 | 0.00  |
| 74.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.628 | 12.84 | 1.07 | 0.67 | 7.939 | 0.341 | 0.000         | 5.87 | 0.00  |
| 75.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.627 | 12.84 | 1.07 | 0.67 | 7.969 | 0.342 | 0.000         | 5.88 | 0.00  |
| 76.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.626 | 12.84 | 1.07 | 0.67 | 8.000 | 0.344 | 0.000         | 5.89 | 0.00  |
| 77.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.625 | 12.84 | 1.07 | 0.67 | 8.030 | 0.346 | 0.000         | 5.90 | 0.00  |
| 78.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.623 | 12.84 | 1.07 | 0.67 | 8.059 | 0.347 | 0.000         | 5.91 | 0.00  |
| 79.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.622 | 12.84 | 1.07 | 0.67 | 8.089 | 0.349 | 0.000         | 5.92 | 0.00  |
| 80.00                       | (3) #20 Dywidag Bars | Yes | 1.00                          | 2.000 | 5.00  | 0.42 | 0.83 | 8.118 | 0.487 | 0.000         | 7.44 | 50.10 |
| 80.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.621 | 12.84 | 1.07 | 0.66 | 8.118 | 0.487 | 0.000         | 5.94 | 0.00  |
| 81.00                       | (3) #20 Dywidag Bars | Yes | 1.00                          | 2.000 | 5.00  | 0.42 | 0.83 | 8.147 | 0.489 | 0.000         | 7.47 | 50.10 |
| 81.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.620 | 12.84 | 1.07 | 0.66 | 8.147 | 0.489 | 0.000         | 5.95 | 0.00  |
| 82.00                       | (3) #20 Dywidag Bars | Yes | 1.00                          | 2.000 | 5.00  | 0.42 | 0.83 | 8.175 | 0.491 | 0.000         | 7.49 | 50.10 |
| 82.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.619 | 12.84 | 1.07 | 0.66 | 8.175 | 0.491 | 0.000         | 5.96 | 0.00  |
| 83.00                       | (3) #20 Dywidag Bars | Yes | 1.00                          | 2.000 | 5.00  | 0.42 | 0.83 | 8.204 | 0.494 | 0.000         | 7.52 | 50.10 |
| 83.00                       | (2) Seam Flange      | Yes | 1.00                          | 0.618 | 12.84 | 1.07 | 0.66 | 8.204 | 0.494 | 0.000         | 5.97 | 0.00  |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

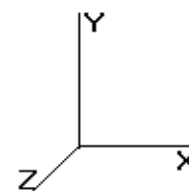
### Applied Segment Forces Summary

| Seg<br>Elev<br>(ft) | Lateral<br>FX (-)<br>(lb) | Axial<br>FY (-)<br>(lb) | Torsion<br>MY<br>(lb-ft) | Moment<br>MZ<br>(lb-ft) |
|---------------------|---------------------------|-------------------------|--------------------------|-------------------------|
| 0.00                | 0.00                      | 0.00                    | 0.00                     | 0.00                    |
| 1.00                | 31.18                     | 434.44                  | 0.00                     | 0.00                    |
| 2.00                | 30.85                     | 429.78                  | 0.00                     | 0.00                    |
| 3.00                | 30.52                     | 425.12                  | 0.00                     | 0.00                    |
| 4.00                | 30.19                     | 420.46                  | 0.00                     | 0.00                    |
| 5.00                | 29.86                     | 415.80                  | 0.00                     | 0.00                    |
| 6.00                | 40.60                     | 451.36                  | 0.00                     | 0.00                    |
| 7.00                | 40.20                     | 446.70                  | 0.00                     | 0.00                    |
| 8.00                | 39.81                     | 442.04                  | 0.00                     | 0.00                    |
| 9.00                | 39.41                     | 437.38                  | 0.00                     | 0.00                    |
| 10.00               | 39.02                     | 432.72                  | 0.00                     | 0.00                    |
| 11.00               | 38.62                     | 428.06                  | 0.00                     | 0.00                    |
| 12.00               | 38.22                     | 423.40                  | 0.00                     | 0.00                    |
| 13.00               | 37.83                     | 418.74                  | 0.00                     | 0.00                    |
| 14.00               | 37.43                     | 414.08                  | 0.00                     | 0.00                    |
| 15.00               | 37.04                     | 409.42                  | 0.00                     | 0.00                    |
| 16.00               | 36.93                     | 377.92                  | 0.00                     | 0.00                    |
| 17.00               | 36.81                     | 376.70                  | 0.00                     | 0.00                    |
| 18.00               | 36.70                     | 375.48                  | 0.00                     | 0.00                    |
| 19.00               | 36.59                     | 374.25                  | 0.00                     | 0.00                    |
| 20.00               | 36.47                     | 373.03                  | 0.00                     | 0.00                    |
| 21.00               | 36.36                     | 371.80                  | 0.00                     | 0.00                    |
| 22.00               | 36.25                     | 370.58                  | 0.00                     | 0.00                    |
| 23.00               | 36.13                     | 369.36                  | 0.00                     | 0.00                    |
| 24.00               | 36.02                     | 368.13                  | 0.00                     | 0.00                    |
| 25.00               | 35.91                     | 366.91                  | 0.00                     | 0.00                    |
| 26.00               | 35.79                     | 365.68                  | 0.00                     | 0.00                    |
| 27.00               | 35.68                     | 364.46                  | 0.00                     | 0.00                    |
| 28.00               | 35.56                     | 363.24                  | 0.00                     | 0.00                    |
| 29.00               | 35.45                     | 362.01                  | 0.00                     | 0.00                    |
| 30.00               | 35.37                     | 360.79                  | 0.00                     | 0.00                    |
| 31.00               | 35.56                     | 359.56                  | 0.00                     | 0.00                    |
| 32.00               | 35.74                     | 358.34                  | 0.00                     | 0.00                    |
| 33.00               | 35.92                     | 357.11                  | 0.00                     | 0.00                    |
| 34.00               | 36.09                     | 355.89                  | 0.00                     | 0.00                    |
| 35.00               | 36.25                     | 354.67                  | 0.00                     | 0.00                    |
| 36.00               | 36.40                     | 353.44                  | 0.00                     | 0.00                    |
| 37.00               | 36.54                     | 352.22                  | 0.00                     | 0.00                    |
| 38.00               | 36.68                     | 350.99                  | 0.00                     | 0.00                    |
| 39.00               | 36.81                     | 349.77                  | 0.00                     | 0.00                    |
| 40.00               | 36.94                     | 348.55                  | 0.00                     | 0.00                    |
| 41.00               | 37.06                     | 347.32                  | 0.00                     | 0.00                    |
| 42.00               | 37.17                     | 346.10                  | 0.00                     | 0.00                    |
| 43.00               | 37.27                     | 344.87                  | 0.00                     | 0.00                    |
| 44.00               | 37.38                     | 343.65                  | 0.00                     | 0.00                    |
| 45.00               | 37.47                     | 342.43                  | 0.00                     | 0.00                    |
| 46.00               | 37.56                     | 341.20                  | 0.00                     | 0.00                    |
| 47.00               | 37.65                     | 339.98                  | 0.00                     | 0.00                    |
| 48.00               | 37.73                     | 338.75                  | 0.00                     | 0.00                    |
| 49.00               | 37.80                     | 337.53                  | 0.00                     | 0.00                    |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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Page: 55

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

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

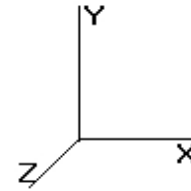
Wind Load Factor : 1.00

|       |       |        |      |      |
|-------|-------|--------|------|------|
| 50.00 | 37.88 | 336.30 | 0.00 | 0.00 |
| 51.00 | 37.94 | 335.08 | 0.00 | 0.00 |
| 52.00 | 38.01 | 333.86 | 0.00 | 0.00 |
| 53.00 | 38.06 | 332.63 | 0.00 | 0.00 |
| 54.00 | 38.12 | 331.41 | 0.00 | 0.00 |
| 55.00 | 38.17 | 330.18 | 0.00 | 0.00 |
| 56.00 | 38.47 | 305.19 | 0.00 | 0.00 |
| 57.00 | 38.51 | 304.07 | 0.00 | 0.00 |
| 58.00 | 38.55 | 302.95 | 0.00 | 0.00 |
| 59.00 | 38.59 | 301.83 | 0.00 | 0.00 |
| 60.00 | 38.62 | 300.72 | 0.00 | 0.00 |
| 61.00 | 38.65 | 299.60 | 0.00 | 0.00 |
| 62.00 | 38.68 | 298.48 | 0.00 | 0.00 |
| 63.00 | 38.70 | 297.36 | 0.00 | 0.00 |
| 64.00 | 38.72 | 296.24 | 0.00 | 0.00 |
| 65.00 | 38.73 | 295.12 | 0.00 | 0.00 |
| 66.00 | 38.75 | 294.00 | 0.00 | 0.00 |
| 67.00 | 38.76 | 292.89 | 0.00 | 0.00 |
| 68.00 | 38.77 | 291.77 | 0.00 | 0.00 |
| 69.00 | 38.77 | 290.65 | 0.00 | 0.00 |
| 70.00 | 38.78 | 289.53 | 0.00 | 0.00 |
| 71.00 | 38.77 | 288.41 | 0.00 | 0.00 |
| 72.00 | 38.77 | 287.29 | 0.00 | 0.00 |
| 73.00 | 38.77 | 286.18 | 0.00 | 0.00 |
| 74.00 | 38.76 | 285.06 | 0.00 | 0.00 |
| 75.00 | 39.54 | 284.54 | 0.00 | 0.00 |
| 76.00 | 38.73 | 234.83 | 0.00 | 0.00 |
| 77.00 | 38.72 | 233.94 | 0.00 | 0.00 |
| 78.00 | 38.70 | 233.04 | 0.00 | 0.00 |
| 79.00 | 38.68 | 232.15 | 0.00 | 0.00 |
| 80.00 | 46.10 | 281.35 | 0.00 | 0.00 |
| 81.00 | 46.10 | 280.46 | 0.00 | 0.00 |
| 82.00 | 46.10 | 279.56 | 0.00 | 0.00 |
| 83.00 | 46.10 | 278.67 | 0.00 | 0.00 |
| 84.00 | 46.09 | 277.77 | 0.00 | 0.00 |
| 84.67 | 30.86 | 185.61 | 0.00 | 0.00 |
| 85.00 | 15.19 | 107.80 | 0.00 | 0.00 |
| 86.00 | 19.78 | 208.47 | 0.00 | 0.00 |
| 87.00 | 19.72 | 208.04 | 0.00 | 0.00 |
| 88.00 | 19.66 | 207.60 | 0.00 | 0.00 |
| 89.00 | 19.60 | 207.17 | 0.00 | 0.00 |
| 90.00 | 19.53 | 206.73 | 0.00 | 0.00 |
| 91.00 | 19.47 | 206.29 | 0.00 | 0.00 |
| 92.00 | 19.40 | 205.86 | 0.00 | 0.00 |
| 93.00 | 30.97 | 205.42 | 0.00 | 0.00 |
| 94.00 | 30.91 | 204.98 | 0.00 | 0.00 |
| 95.00 | 30.84 | 204.55 | 0.00 | 0.00 |
| 95.44 | 13.54 | 89.86  | 0.00 | 0.00 |
| 96.00 | 17.22 | 86.19  | 0.00 | 0.00 |
| 97.00 | 30.72 | 153.58 | 0.00 | 0.00 |
| 98.00 | 30.65 | 153.14 | 0.00 | 0.00 |
| 99.00 | 30.58 | 152.70 | 0.00 | 0.00 |
| 100.0 | 30.52 | 152.27 | 0.00 | 0.00 |
| 101.0 | 18.74 | 101.73 | 0.00 | 0.00 |
| 102.0 | 18.66 | 101.30 | 0.00 | 0.00 |
| 103.0 | 18.58 | 100.86 | 0.00 | 0.00 |
| 104.0 | 18.50 | 100.42 | 0.00 | 0.00 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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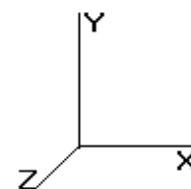
|                               |                          |                               |
|-------------------------------|--------------------------|-------------------------------|
| <b>Load Case:</b> 1.0D + 1.0W | 60.00 mph Serviceability | 28 Iterations                 |
| Gust Response Factor : 1.10   |                          | Wind Importance Factor : 1.00 |
| Dead Load Factor : 1.00       |                          |                               |
| Wind Load Factor : 1.00       |                          |                               |

|         |          |           |      |          |
|---------|----------|-----------|------|----------|
| 105.0   | 18.42    | 99.99     | 0.00 | 0.00     |
| 106.0   | 18.34    | 99.55     | 0.00 | 0.00     |
| 107.0   | 18.26    | 99.12     | 0.00 | 0.00     |
| 108.0   | 18.17    | 98.68     | 0.00 | 0.00     |
| 109.0   | 18.08    | 98.24     | 0.00 | 0.00     |
| 110.0   | 528.06   | 1,252.81  | 0.00 | 0.00     |
| 111.0   | 17.91    | 73.34     | 0.00 | 0.00     |
| 112.0   | 17.82    | 73.02     | 0.00 | 0.00     |
| 113.0   | 17.74    | 72.70     | 0.00 | 0.00     |
| 114.0   | 17.65    | 72.38     | 0.00 | 0.00     |
| 115.0   | 17.56    | 72.05     | 0.00 | 0.00     |
| 116.0   | 17.47    | 71.73     | 0.00 | 0.00     |
| 117.0   | 17.38    | 71.41     | 0.00 | 0.00     |
| 118.0   | 17.28    | 71.09     | 0.00 | 0.00     |
| 119.0   | 17.19    | 70.77     | 0.00 | 0.00     |
| 120.0   | 17.10    | 70.45     | 0.00 | 0.00     |
| 121.0   | 17.00    | 70.13     | 0.00 | 0.00     |
| 122.0   | 16.91    | 69.81     | 0.00 | 0.00     |
| 123.0   | 16.81    | 69.49     | 0.00 | 0.00     |
| 124.0   | 16.71    | 69.17     | 0.00 | 0.00     |
| 125.0   | 16.61    | 68.84     | 0.00 | 0.00     |
| 126.0   | 16.51    | 68.52     | 0.00 | 0.00     |
| 127.0   | 16.41    | 68.20     | 0.00 | 0.00     |
| 128.0   | 16.31    | 67.88     | 0.00 | 0.00     |
| 129.0   | 16.21    | 67.56     | 0.00 | 0.00     |
| 130.0   | 819.02   | 1,797.04  | 0.00 | 1,160.61 |
| 131.0   | 16.01    | 57.08     | 0.00 | 0.00     |
| 132.0   | 15.90    | 56.76     | 0.00 | 0.00     |
| 133.0   | 15.80    | 56.44     | 0.00 | 0.00     |
| 134.0   | 15.69    | 56.12     | 0.00 | 0.00     |
| 135.0   | 15.59    | 55.80     | 0.00 | 0.00     |
| 136.0   | 15.48    | 55.47     | 0.00 | 0.00     |
| 137.0   | 15.37    | 55.15     | 0.00 | 0.00     |
| 138.0   | 15.26    | 54.83     | 0.00 | 0.00     |
| 139.0   | 15.15    | 54.51     | 0.00 | 0.00     |
| 140.0   | 637.42   | 2,172.49  | 0.00 | 0.00     |
| 141.0   | 14.93    | 49.87     | 0.00 | 0.00     |
| 142.0   | 14.82    | 49.55     | 0.00 | 0.00     |
| 143.0   | 14.71    | 49.23     | 0.00 | 0.00     |
| 144.0   | 14.59    | 48.91     | 0.00 | 0.00     |
| 145.0   | 14.48    | 48.59     | 0.00 | 0.00     |
| 146.0   | 14.37    | 48.26     | 0.00 | 0.00     |
| 147.0   | 14.25    | 47.94     | 0.00 | 0.00     |
| 148.0   | 14.13    | 47.62     | 0.00 | 0.00     |
| 149.0   | 14.02    | 47.30     | 0.00 | 0.00     |
| 150.0   | 718.18   | 2,161.08  | 0.00 | 1,889.56 |
| Totals: | 7,063.72 | 42,522.90 | 0.00 | 3,050.17 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

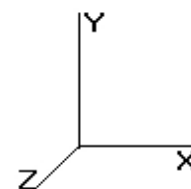
## Calculated Forces

| Seg<br>Elev<br>(ft) | Pu<br>FY (-)<br>(kips) | Vu<br>FX (-)<br>(kips) | Tu<br>MY<br>(ft-kips) | Mu<br>MZ<br>(ft-kips) | Mu<br>MX<br>(ft-kips) | Resultant<br>Moment<br>(ft-kips) | phi<br>Pn<br>(kips) | phi<br>Vn<br>(kips) | phi<br>Tn<br>(ft-kips) | phi<br>Mn<br>(ft-kips) | Total<br>Deflect<br>(in) | Rotation<br>(deg) | Ratio |
|---------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|---------------------|---------------------|------------------------|------------------------|--------------------------|-------------------|-------|
| 0.00                | -42.52                 | -7.06                  | 0.00                  | -653.03               | 0.00                  | 653.03                           | 5,589.22            | 2,794.61            | 12,188.1               | 6,019.28               | 0.00                     | 0.00              | 0.116 |
| 1.00                | -42.09                 | -7.04                  | 0.00                  | -645.96               | 0.00                  | 645.96                           | 5,529.59            | 2,764.80            | 11,927.7               | 5,890.65               | 0.00                     | 0.00              | 0.117 |
| 2.00                | -41.66                 | -7.01                  | 0.00                  | -638.93               | 0.00                  | 638.93                           | 5,469.96            | 2,734.98            | 11,670.0               | 5,763.42               | 0.00                     | -0.01             | 0.118 |
| 3.00                | -41.23                 | -6.98                  | 0.00                  | -631.92               | 0.00                  | 631.92                           | 5,410.34            | 2,705.17            | 11,415.2               | 5,637.57               | 0.00                     | -0.01             | 0.120 |
| 4.00                | -40.81                 | -6.95                  | 0.00                  | -624.94               | 0.00                  | 624.94                           | 5,350.71            | 2,675.36            | 11,163.2               | 5,513.11               | 0.01                     | -0.02             | 0.121 |
| 5.00                | -40.39                 | -6.93                  | 0.00                  | -617.99               | 0.00                  | 617.99                           | 5,291.09            | 2,645.54            | 10,914.0               | 5,390.04               | 0.01                     | -0.02             | 0.122 |
| 6.00                | -39.94                 | -6.89                  | 0.00                  | -611.06               | 0.00                  | 611.06                           | 5,231.46            | 2,615.73            | 10,667.6               | 5,268.37               | 0.02                     | -0.03             | 0.124 |
| 7.00                | -39.50                 | -6.85                  | 0.00                  | -604.18               | 0.00                  | 604.18                           | 5,171.84            | 2,585.92            | 10,424.1               | 5,148.08               | 0.02                     | -0.03             | 0.125 |
| 8.00                | -39.05                 | -6.81                  | 0.00                  | -597.33               | 0.00                  | 597.33                           | 5,112.21            | 2,556.11            | 10,183.3               | 5,029.18               | 0.03                     | -0.03             | 0.126 |
| 9.00                | -38.61                 | -6.78                  | 0.00                  | -590.51               | 0.00                  | 590.51                           | 5,052.58            | 2,526.29            | 9,945.41               | 4,911.66               | 0.04                     | -0.04             | 0.128 |
| 10.00               | -38.18                 | -6.74                  | 0.00                  | -583.73               | 0.00                  | 583.73                           | 4,992.96            | 2,496.48            | 9,710.28               | 4,795.54               | 0.05                     | -0.04             | 0.129 |
| 11.00               | -37.75                 | -6.71                  | 0.00                  | -576.99               | 0.00                  | 576.99                           | 4,933.33            | 2,466.67            | 9,477.97               | 4,680.81               | 0.05                     | -0.05             | 0.131 |
| 12.00               | -37.33                 | -6.67                  | 0.00                  | -570.29               | 0.00                  | 570.29                           | 4,873.71            | 2,436.85            | 9,248.46               | 4,567.47               | 0.07                     | -0.05             | 0.133 |
| 13.00               | -36.91                 | -6.64                  | 0.00                  | -563.62               | 0.00                  | 563.62                           | 4,814.08            | 2,407.04            | 9,021.78               | 4,455.52               | 0.08                     | -0.06             | 0.134 |
| 14.00               | -36.49                 | -6.60                  | 0.00                  | -556.98               | 0.00                  | 556.98                           | 4,754.46            | 2,377.23            | 8,797.90               | 4,344.95               | 0.09                     | -0.06             | 0.136 |
| 15.00               | -36.08                 | -6.57                  | 0.00                  | -550.38               | 0.00                  | 550.38                           | 4,694.83            | 2,347.42            | 8,576.84               | 4,235.78               | 0.11                     | -0.07             | 0.138 |
| 15.00               | -36.08                 | -6.57                  | 0.00                  | -550.38               | 0.00                  | 550.38                           | 4,521.17            | 2,260.59            | 8,321.30               | 4,109.58               | 0.11                     | -0.07             | 0.142 |
| 16.00               | -35.71                 | -6.53                  | 0.00                  | -543.81               | 0.00                  | 543.81                           | 4,504.82            | 2,252.41            | 8,260.75               | 4,079.67               | 0.12                     | -0.08             | 0.141 |
| 17.00               | -35.33                 | -6.50                  | 0.00                  | -537.28               | 0.00                  | 537.28                           | 4,488.46            | 2,244.23            | 8,200.41               | 4,049.87               | 0.14                     | -0.08             | 0.141 |
| 18.00               | -34.95                 | -6.47                  | 0.00                  | -530.78               | 0.00                  | 530.78                           | 4,472.10            | 2,236.05            | 8,140.29               | 4,020.18               | 0.16                     | -0.09             | 0.140 |
| 19.00               | -34.58                 | -6.43                  | 0.00                  | -524.31               | 0.00                  | 524.31                           | 4,455.74            | 2,227.87            | 8,080.40               | 3,990.60               | 0.17                     | -0.09             | 0.139 |
| 20.00               | -34.20                 | -6.40                  | 0.00                  | -517.88               | 0.00                  | 517.88                           | 4,439.38            | 2,219.69            | 8,020.72               | 3,961.13               | 0.19                     | -0.10             | 0.138 |
| 21.00               | -33.83                 | -6.37                  | 0.00                  | -511.48               | 0.00                  | 511.48                           | 4,423.02            | 2,211.51            | 7,961.27               | 3,931.77               | 0.22                     | -0.11             | 0.138 |
| 22.00               | -33.46                 | -6.33                  | 0.00                  | -505.12               | 0.00                  | 505.12                           | 4,406.67            | 2,203.33            | 7,902.04               | 3,902.52               | 0.24                     | -0.11             | 0.137 |
| 23.00               | -33.09                 | -6.30                  | 0.00                  | -498.78               | 0.00                  | 498.78                           | 4,390.31            | 2,195.15            | 7,843.03               | 3,873.38               | 0.26                     | -0.12             | 0.136 |
| 24.00               | -32.72                 | -6.27                  | 0.00                  | -492.49               | 0.00                  | 492.49                           | 4,373.95            | 2,186.97            | 7,784.24               | 3,844.34               | 0.29                     | -0.12             | 0.136 |
| 25.00               | -32.35                 | -6.23                  | 0.00                  | -486.22               | 0.00                  | 486.22                           | 4,357.59            | 2,178.80            | 7,725.67               | 3,815.42               | 0.32                     | -0.13             | 0.135 |
| 26.00               | -31.99                 | -6.20                  | 0.00                  | -479.99               | 0.00                  | 479.99                           | 4,341.23            | 2,170.62            | 7,667.32               | 3,786.60               | 0.34                     | -0.14             | 0.134 |
| 27.00               | -31.62                 | -6.17                  | 0.00                  | -473.79               | 0.00                  | 473.79                           | 4,324.87            | 2,162.44            | 7,609.20               | 3,757.90               | 0.37                     | -0.14             | 0.133 |
| 28.00               | -31.26                 | -6.13                  | 0.00                  | -467.62               | 0.00                  | 467.62                           | 4,308.52            | 2,154.26            | 7,551.29               | 3,729.30               | 0.40                     | -0.15             | 0.133 |
| 29.00               | -30.90                 | -6.10                  | 0.00                  | -461.49               | 0.00                  | 461.49                           | 4,292.16            | 2,146.08            | 7,493.61               | 3,700.81               | 0.44                     | -0.15             | 0.132 |
| 30.00               | -30.54                 | -6.07                  | 0.00                  | -455.39               | 0.00                  | 455.39                           | 4,275.80            | 2,137.90            | 7,436.15               | 3,672.43               | 0.47                     | -0.16             | 0.131 |
| 31.00               | -30.18                 | -6.03                  | 0.00                  | -449.33               | 0.00                  | 449.33                           | 4,259.44            | 2,129.72            | 7,378.91               | 3,644.16               | 0.50                     | -0.17             | 0.130 |
| 32.00               | -29.82                 | -6.00                  | 0.00                  | -443.29               | 0.00                  | 443.29                           | 4,243.08            | 2,121.54            | 7,321.89               | 3,616.00               | 0.54                     | -0.17             | 0.130 |
| 33.00               | -29.46                 | -5.96                  | 0.00                  | -437.29               | 0.00                  | 437.29                           | 4,226.72            | 2,113.36            | 7,265.09               | 3,587.95               | 0.58                     | -0.18             | 0.129 |
| 34.00               | -29.10                 | -5.93                  | 0.00                  | -431.33               | 0.00                  | 431.33                           | 4,210.37            | 2,105.18            | 7,208.51               | 3,560.01               | 0.61                     | -0.18             | 0.128 |
| 35.00               | -28.75                 | -5.90                  | 0.00                  | -425.40               | 0.00                  | 425.40                           | 4,194.01            | 2,097.00            | 7,152.15               | 3,532.18               | 0.65                     | -0.19             | 0.127 |
| 36.00               | -28.39                 | -5.86                  | 0.00                  | -419.50               | 0.00                  | 419.50                           | 4,177.65            | 2,088.82            | 7,096.02               | 3,504.46               | 0.69                     | -0.20             | 0.127 |
| 37.00               | -28.04                 | -5.83                  | 0.00                  | -413.64               | 0.00                  | 413.64                           | 4,161.29            | 2,080.65            | 7,040.10               | 3,476.84               | 0.73                     | -0.20             | 0.126 |
| 38.00               | -27.69                 | -5.79                  | 0.00                  | -407.81               | 0.00                  | 407.81                           | 4,144.93            | 2,072.47            | 6,984.41               | 3,449.34               | 0.78                     | -0.21             | 0.125 |
| 39.00               | -27.34                 | -5.76                  | 0.00                  | -402.02               | 0.00                  | 402.02                           | 4,128.57            | 2,064.29            | 6,928.94               | 3,421.94               | 0.82                     | -0.21             | 0.124 |
| 40.00               | -26.99                 | -5.72                  | 0.00                  | -396.27               | 0.00                  | 396.27                           | 4,112.22            | 2,056.11            | 6,873.69               | 3,394.66               | 0.87                     | -0.22             | 0.123 |
| 41.00               | -26.64                 | -5.69                  | 0.00                  | -390.55               | 0.00                  | 390.55                           | 4,095.86            | 2,047.93            | 6,818.66               | 3,367.48               | 0.91                     | -0.23             | 0.122 |
| 42.00               | -26.30                 | -5.65                  | 0.00                  | -384.86               | 0.00                  | 384.86                           | 4,079.50            | 2,039.75            | 6,763.85               | 3,340.41               | 0.96                     | -0.23             | 0.122 |
| 43.00               | -25.95                 | -5.61                  | 0.00                  | -379.21               | 0.00                  | 379.21                           | 4,063.14            | 2,031.57            | 6,709.27               | 3,313.46               | 1.01                     | -0.24             | 0.121 |
| 44.00               | -25.61                 | -5.58                  | 0.00                  | -373.60               | 0.00                  | 373.60                           | 4,046.78            | 2,023.39            | 6,654.90               | 3,286.61               | 1.06                     | -0.24             | 0.120 |
| 45.00               | -25.26                 | -5.54                  | 0.00                  | -368.02               | 0.00                  | 368.02                           | 4,030.42            | 2,015.21            | 6,600.76               | 3,259.87               | 1.11                     | -0.25             | 0.119 |
| 46.00               | -24.92                 | -5.50                  | 0.00                  | -362.48               | 0.00                  | 362.48                           | 4,014.07            | 2,007.03            | 6,546.84               | 3,233.24               | 1.16                     | -0.25             | 0.118 |
| 47.00               | -24.58                 | -5.47                  | 0.00                  | -356.98               | 0.00                  | 356.98                           | 3,997.71            | 1,998.85            | 6,493.13               | 3,206.71               | 1.22                     | -0.26             | 0.117 |
| 48.00               | -24.24                 | -5.43                  | 0.00                  | -351.51               | 0.00                  | 351.51                           | 3,981.35            | 1,990.67            | 6,439.65               | 3,180.30               | 1.27                     | -0.27             | 0.117 |
| 49.00               | -23.91                 | -5.39                  | 0.00                  | -346.08               | 0.00                  | 346.08                           | 3,964.99            | 1,982.50            | 6,386.39               | 3,154.00               | 1.33                     | -0.27             | 0.116 |

Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Wind Importance Factor : 1.00

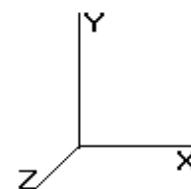
|        |        |       |      |         |      |        |          |          |          |          |      |       |       |
|--------|--------|-------|------|---------|------|--------|----------|----------|----------|----------|------|-------|-------|
| 50.00  | -23.57 | -5.36 | 0.00 | -340.69 | 0.00 | 340.69 | 3,948.63 | 1,974.32 | 6,333.36 | 3,127.81 | 1.39 | -0.28 | 0.115 |
| 51.00  | -23.23 | -5.32 | 0.00 | -335.33 | 0.00 | 335.33 | 3,932.27 | 1,966.14 | 6,280.54 | 3,101.72 | 1.45 | -0.28 | 0.114 |
| 52.00  | -22.90 | -5.28 | 0.00 | -330.01 | 0.00 | 330.01 | 3,915.92 | 1,957.96 | 6,227.94 | 3,075.75 | 1.51 | -0.29 | 0.113 |
| 53.00  | -22.57 | -5.24 | 0.00 | -324.73 | 0.00 | 324.73 | 3,899.56 | 1,949.78 | 6,175.57 | 3,049.88 | 1.57 | -0.29 | 0.112 |
| 54.00  | -22.23 | -5.21 | 0.00 | -319.49 | 0.00 | 319.49 | 3,883.20 | 1,941.60 | 6,123.42 | 3,024.13 | 1.63 | -0.30 | 0.111 |
| 55.00  | -21.90 | -5.17 | 0.00 | -314.28 | 0.00 | 314.28 | 3,866.84 | 1,933.42 | 6,071.48 | 2,998.48 | 1.69 | -0.30 | 0.110 |
| 55.00  | -21.90 | -5.17 | 0.00 | -314.28 | 0.00 | 314.28 | 3,220.97 | 1,610.49 | 5,114.03 | 2,525.63 | 1.69 | -0.30 | 0.131 |
| 56.00  | -21.60 | -5.13 | 0.00 | -309.11 | 0.00 | 309.11 | 3,207.40 | 1,603.70 | 5,070.70 | 2,504.23 | 1.76 | -0.31 | 0.130 |
| 57.00  | -21.29 | -5.09 | 0.00 | -303.98 | 0.00 | 303.98 | 3,193.84 | 1,596.92 | 5,027.55 | 2,482.92 | 1.82 | -0.32 | 0.129 |
| 58.00  | -20.99 | -5.05 | 0.00 | -298.89 | 0.00 | 298.89 | 3,180.27 | 1,590.13 | 4,984.58 | 2,461.70 | 1.89 | -0.32 | 0.128 |
| 59.00  | -20.69 | -5.02 | 0.00 | -293.84 | 0.00 | 293.84 | 3,166.70 | 1,583.35 | 4,941.80 | 2,440.57 | 1.96 | -0.33 | 0.127 |
| 60.00  | -20.39 | -4.98 | 0.00 | -288.82 | 0.00 | 288.82 | 3,153.13 | 1,576.57 | 4,899.21 | 2,419.54 | 2.03 | -0.33 | 0.126 |
| 61.00  | -20.09 | -4.94 | 0.00 | -283.84 | 0.00 | 283.84 | 3,139.57 | 1,569.78 | 4,856.80 | 2,398.59 | 2.10 | -0.34 | 0.125 |
| 62.00  | -19.79 | -4.90 | 0.00 | -278.90 | 0.00 | 278.90 | 3,126.00 | 1,563.00 | 4,814.57 | 2,377.74 | 2.17 | -0.35 | 0.124 |
| 63.00  | -19.49 | -4.86 | 0.00 | -274.00 | 0.00 | 274.00 | 3,112.43 | 1,556.21 | 4,772.53 | 2,356.97 | 2.24 | -0.35 | 0.123 |
| 64.00  | -19.19 | -4.82 | 0.00 | -269.14 | 0.00 | 269.14 | 3,098.86 | 1,549.43 | 4,730.67 | 2,336.30 | 2.32 | -0.36 | 0.121 |
| 65.00  | -18.90 | -4.79 | 0.00 | -264.32 | 0.00 | 264.32 | 3,085.29 | 1,542.65 | 4,689.00 | 2,315.72 | 2.39 | -0.36 | 0.120 |
| 66.00  | -18.61 | -4.75 | 0.00 | -259.53 | 0.00 | 259.53 | 3,071.73 | 1,535.86 | 4,647.51 | 2,295.23 | 2.47 | -0.37 | 0.119 |
| 67.00  | -18.31 | -4.71 | 0.00 | -254.78 | 0.00 | 254.78 | 3,058.16 | 1,529.08 | 4,606.20 | 2,274.83 | 2.55 | -0.37 | 0.118 |
| 68.00  | -18.02 | -4.67 | 0.00 | -250.08 | 0.00 | 250.08 | 3,044.59 | 1,522.30 | 4,565.08 | 2,254.52 | 2.62 | -0.38 | 0.117 |
| 69.00  | -17.73 | -4.63 | 0.00 | -245.41 | 0.00 | 245.41 | 3,031.02 | 1,515.51 | 4,524.15 | 2,234.31 | 2.70 | -0.38 | 0.116 |
| 70.00  | -17.44 | -4.59 | 0.00 | -240.78 | 0.00 | 240.78 | 3,017.46 | 1,508.73 | 4,483.40 | 2,214.18 | 2.79 | -0.39 | 0.115 |
| 71.00  | -17.15 | -4.55 | 0.00 | -236.19 | 0.00 | 236.19 | 3,003.89 | 1,501.94 | 4,442.83 | 2,194.15 | 2.87 | -0.40 | 0.113 |
| 72.00  | -16.86 | -4.51 | 0.00 | -231.64 | 0.00 | 231.64 | 2,990.32 | 1,495.16 | 4,402.45 | 2,174.20 | 2.95 | -0.40 | 0.112 |
| 73.00  | -16.58 | -4.47 | 0.00 | -227.12 | 0.00 | 227.12 | 2,976.75 | 1,488.38 | 4,362.25 | 2,154.35 | 3.04 | -0.41 | 0.111 |
| 74.00  | -16.29 | -4.43 | 0.00 | -222.65 | 0.00 | 222.65 | 2,963.19 | 1,481.59 | 4,322.24 | 2,134.59 | 3.12 | -0.41 | 0.110 |
| 75.00  | -16.01 | -4.39 | 0.00 | -218.22 | 0.00 | 218.22 | 2,949.62 | 1,474.81 | 4,282.41 | 2,114.92 | 3.21 | -0.42 | 0.109 |
| 75.00  | -16.01 | -4.39 | 0.00 | -218.22 | 0.00 | 218.22 | 2,628.21 | 1,314.11 | 3,842.67 | 1,897.75 | 3.21 | -0.42 | 0.121 |
| 76.00  | -15.77 | -4.36 | 0.00 | -213.82 | 0.00 | 213.82 | 2,616.17 | 1,308.08 | 3,807.28 | 1,880.27 | 3.30 | -0.42 | 0.120 |
| 77.00  | -15.54 | -4.32 | 0.00 | -209.47 | 0.00 | 209.47 | 2,604.12 | 1,302.06 | 3,772.05 | 1,862.87 | 3.39 | -0.43 | 0.118 |
| 78.00  | -15.31 | -4.28 | 0.00 | -205.15 | 0.00 | 205.15 | 2,592.07 | 1,296.04 | 3,736.99 | 1,845.56 | 3.48 | -0.44 | 0.117 |
| 79.00  | -15.07 | -4.24 | 0.00 | -200.87 | 0.00 | 200.87 | 2,580.03 | 1,290.01 | 3,702.09 | 1,828.32 | 3.57 | -0.44 | 0.116 |
| 80.00  | -14.79 | -4.19 | 0.00 | -196.64 | 0.00 | 196.64 | 2,567.98 | 1,283.99 | 3,667.36 | 1,811.17 | 3.66 | -0.45 | 0.114 |
| 81.00  | -14.51 | -4.15 | 0.00 | -192.44 | 0.00 | 192.44 | 2,555.93 | 1,277.97 | 3,632.78 | 1,794.10 | 3.76 | -0.46 | 0.113 |
| 82.00  | -14.23 | -4.10 | 0.00 | -188.30 | 0.00 | 188.30 | 2,543.88 | 1,271.94 | 3,598.38 | 1,777.10 | 3.85 | -0.46 | 0.112 |
| 83.00  | -13.95 | -4.05 | 0.00 | -184.20 | 0.00 | 184.20 | 2,531.84 | 1,265.92 | 3,564.13 | 1,760.19 | 3.95 | -0.47 | 0.110 |
| 84.00  | -13.67 | -4.00 | 0.00 | -180.15 | 0.00 | 180.15 | 2,519.79 | 1,259.89 | 3,530.05 | 1,743.36 | 4.05 | -0.47 | 0.109 |
| 84.67  | -13.49 | -3.97 | 0.00 | -177.46 | 0.00 | 177.46 | 2,511.72 | 1,255.86 | 3,507.31 | 1,732.13 | 4.12 | -0.48 | 0.108 |
| 85.00  | -13.38 | -3.96 | 0.00 | -176.15 | 0.00 | 176.15 | 2,507.74 | 1,253.87 | 3,496.14 | 1,726.61 | 4.15 | -0.48 | 0.069 |
| 85.00  | -13.38 | -3.96 | 0.00 | -176.15 | 0.00 | 176.15 | 1,414.25 | 707.13   | 1,455.35 | 718.74   | 4.15 | -0.48 | 0.068 |
| 86.00  | -13.17 | -3.94 | 0.00 | -172.20 | 0.00 | 172.20 | 1,408.59 | 704.29   | 1,440.18 | 711.25   | 4.25 | -0.48 | 0.086 |
| 87.00  | -12.96 | -3.92 | 0.00 | -168.26 | 0.00 | 168.26 | 1,402.88 | 701.44   | 1,425.06 | 703.78   | 4.35 | -0.49 | 0.085 |
| 88.00  | -12.76 | -3.90 | 0.00 | -164.34 | 0.00 | 164.34 | 1,397.13 | 698.56   | 1,409.96 | 696.33   | 4.46 | -0.50 | 0.083 |
| 89.00  | -12.55 | -3.88 | 0.00 | -160.44 | 0.00 | 160.44 | 1,391.33 | 695.67   | 1,394.89 | 688.89   | 4.56 | -0.51 | 0.081 |
| 90.00  | -12.34 | -3.86 | 0.00 | -156.56 | 0.00 | 156.56 | 1,385.49 | 692.75   | 1,379.86 | 681.46   | 4.67 | -0.52 | 0.080 |
| 91.00  | -12.13 | -3.84 | 0.00 | -152.70 | 0.00 | 152.70 | 1,379.61 | 689.81   | 1,364.87 | 674.06   | 4.78 | -0.53 | 0.078 |
| 92.00  | -11.93 | -3.82 | 0.00 | -148.86 | 0.00 | 148.86 | 1,373.69 | 686.84   | 1,349.91 | 666.67   | 4.90 | -0.54 | 0.076 |
| 93.00  | -11.72 | -3.79 | 0.00 | -145.03 | 0.00 | 145.03 | 1,367.72 | 683.86   | 1,334.99 | 659.30   | 5.01 | -0.55 | 0.074 |
| 94.00  | -11.52 | -3.76 | 0.00 | -141.24 | 0.00 | 141.24 | 1,361.71 | 680.85   | 1,320.10 | 651.95   | 5.13 | -0.56 | 0.073 |
| 95.00  | -11.31 | -3.73 | 0.00 | -137.48 | 0.00 | 137.48 | 1,355.66 | 677.83   | 1,305.26 | 644.62   | 5.25 | -0.57 | 0.071 |
| 95.44  | -11.22 | -3.72 | 0.00 | -135.84 | 0.00 | 135.84 | 1,352.98 | 676.49   | 1,298.74 | 641.40   | 5.30 | -0.58 | 0.070 |
| 95.44  | -11.22 | -3.72 | 0.00 | -135.84 | 0.00 | 135.84 | 1,352.98 | 676.49   | 1,298.74 | 641.40   | 5.30 | -0.58 | 0.220 |
| 96.00  | -11.14 | -3.70 | 0.00 | -133.76 | 0.00 | 133.76 | 1,349.56 | 674.78   | 1,290.45 | 637.30   | 5.37 | -0.58 | 0.218 |
| 97.00  | -10.98 | -3.67 | 0.00 | -130.06 | 0.00 | 130.06 | 1,343.42 | 671.71   | 1,275.68 | 630.01   | 5.50 | -0.61 | 0.215 |
| 98.00  | -10.83 | -3.65 | 0.00 | -126.39 | 0.00 | 126.39 | 1,337.24 | 668.62   | 1,260.95 | 622.74   | 5.63 | -0.64 | 0.211 |
| 99.00  | -10.67 | -3.62 | 0.00 | -122.74 | 0.00 | 122.74 | 1,331.01 | 665.51   | 1,246.27 | 615.49   | 5.76 | -0.67 | 0.207 |
| 100.00 | -10.52 | -3.59 | 0.00 | -119.12 | 0.00 | 119.12 | 1,324.75 | 662.37   | 1,231.63 | 608.25   | 5.91 | -0.70 | 0.204 |



Pole : 302523  
Location : New Milford CT 2, CT  
Height : 150.0 (ft)  
Base Dia : 53.90 (in)  
Top Dia : 15.00 (in)  
Shape : 12 Sides  
Taper : 0.156700 (in/ft)

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

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

60.00 mph Serviceability

28 Iterations

Gust Response Factor : 1.10

Dead Load Factor : 1.00

Wind Load Factor : 1.00

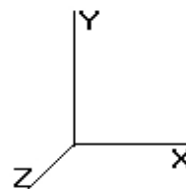
Wind Importance Factor : 1.00

|        |        |       |      |         |      |        |          |        |          |        |       |       |       |
|--------|--------|-------|------|---------|------|--------|----------|--------|----------|--------|-------|-------|-------|
| 101.00 | -10.41 | -3.58 | 0.00 | -115.53 | 0.00 | 115.53 | 1,318.44 | 659.22 | 1,217.03 | 601.04 | 6.06  | -0.72 | 0.200 |
| 102.00 | -10.31 | -3.56 | 0.00 | -111.95 | 0.00 | 111.95 | 1,312.08 | 656.04 | 1,202.47 | 593.86 | 6.21  | -0.75 | 0.196 |
| 103.00 | -10.21 | -3.55 | 0.00 | -108.39 | 0.00 | 108.39 | 1,305.69 | 652.84 | 1,187.96 | 586.69 | 6.37  | -0.78 | 0.193 |
| 104.00 | -10.11 | -3.53 | 0.00 | -104.84 | 0.00 | 104.84 | 1,299.25 | 649.62 | 1,173.50 | 579.55 | 6.54  | -0.81 | 0.189 |
| 105.00 | -10.01 | -3.52 | 0.00 | -101.30 | 0.00 | 101.30 | 1,293.29 | 646.65 | 1,159.56 | 572.66 | 6.71  | -0.83 | 0.185 |
| 106.00 | -9.91  | -3.50 | 0.00 | -97.79  | 0.00 | 97.79  | 1,283.85 | 641.92 | 1,142.58 | 564.28 | 6.89  | -0.86 | 0.181 |
| 107.00 | -9.80  | -3.49 | 0.00 | -94.28  | 0.00 | 94.28  | 1,274.40 | 637.20 | 1,125.74 | 555.96 | 7.07  | -0.89 | 0.177 |
| 108.00 | -9.70  | -3.47 | 0.00 | -90.80  | 0.00 | 90.80  | 1,264.95 | 632.48 | 1,109.01 | 547.70 | 7.26  | -0.91 | 0.173 |
| 109.00 | -9.61  | -3.46 | 0.00 | -87.33  | 0.00 | 87.33  | 1,255.51 | 627.75 | 1,092.42 | 539.50 | 7.45  | -0.94 | 0.170 |
| 110.00 | -8.36  | -2.91 | 0.00 | -83.87  | 0.00 | 83.87  | 1,246.06 | 623.03 | 1,075.94 | 531.37 | 7.65  | -0.96 | 0.165 |
| 110.00 | -8.36  | -2.91 | 0.00 | -83.87  | 0.00 | 83.87  | 852.83   | 426.42 | 740.79   | 365.85 | 7.65  | -0.96 | 0.239 |
| 111.00 | -8.29  | -2.90 | 0.00 | -80.96  | 0.00 | 80.96  | 849.27   | 424.64 | 732.18   | 361.60 | 7.86  | -0.99 | 0.234 |
| 112.00 | -8.21  | -2.88 | 0.00 | -78.06  | 0.00 | 78.06  | 845.67   | 422.84 | 723.58   | 357.35 | 8.07  | -1.02 | 0.228 |
| 113.00 | -8.14  | -2.87 | 0.00 | -75.18  | 0.00 | 75.18  | 842.03   | 421.01 | 714.99   | 353.11 | 8.29  | -1.05 | 0.223 |
| 114.00 | -8.06  | -2.85 | 0.00 | -72.31  | 0.00 | 72.31  | 838.34   | 419.17 | 706.41   | 348.87 | 8.51  | -1.08 | 0.217 |
| 115.00 | -7.99  | -2.84 | 0.00 | -69.46  | 0.00 | 69.46  | 834.62   | 417.31 | 697.84   | 344.64 | 8.74  | -1.11 | 0.211 |
| 116.00 | -7.92  | -2.82 | 0.00 | -66.62  | 0.00 | 66.62  | 830.85   | 415.43 | 689.29   | 340.42 | 8.98  | -1.14 | 0.205 |
| 117.00 | -7.85  | -2.81 | 0.00 | -63.80  | 0.00 | 63.80  | 827.04   | 413.52 | 680.76   | 336.20 | 9.22  | -1.17 | 0.199 |
| 118.00 | -7.77  | -2.79 | 0.00 | -60.99  | 0.00 | 60.99  | 823.19   | 411.60 | 672.24   | 331.99 | 9.47  | -1.20 | 0.193 |
| 119.00 | -7.70  | -2.78 | 0.00 | -58.20  | 0.00 | 58.20  | 819.30   | 409.65 | 663.73   | 327.79 | 9.72  | -1.23 | 0.187 |
| 120.00 | -7.63  | -2.76 | 0.00 | -55.42  | 0.00 | 55.42  | 815.37   | 407.68 | 655.25   | 323.60 | 9.98  | -1.26 | 0.181 |
| 121.00 | -7.56  | -2.75 | 0.00 | -52.65  | 0.00 | 52.65  | 811.40   | 405.70 | 646.78   | 319.42 | 10.25 | -1.29 | 0.174 |
| 122.00 | -7.49  | -2.73 | 0.00 | -49.91  | 0.00 | 49.91  | 807.38   | 403.69 | 638.33   | 315.25 | 10.52 | -1.31 | 0.168 |
| 123.00 | -7.42  | -2.72 | 0.00 | -47.17  | 0.00 | 47.17  | 803.32   | 401.66 | 629.90   | 311.09 | 10.80 | -1.34 | 0.161 |
| 124.00 | -7.35  | -2.70 | 0.00 | -44.45  | 0.00 | 44.45  | 799.23   | 399.61 | 621.49   | 306.93 | 11.08 | -1.36 | 0.154 |
| 125.00 | -7.28  | -2.69 | 0.00 | -41.75  | 0.00 | 41.75  | 795.09   | 397.54 | 613.11   | 302.79 | 11.37 | -1.39 | 0.147 |
| 126.00 | -7.21  | -2.67 | 0.00 | -39.06  | 0.00 | 39.06  | 790.91   | 395.45 | 604.74   | 298.66 | 11.66 | -1.41 | 0.140 |
| 127.00 | -7.14  | -2.66 | 0.00 | -36.39  | 0.00 | 36.39  | 786.69   | 393.34 | 596.40   | 294.54 | 11.96 | -1.43 | 0.133 |
| 128.00 | -7.07  | -2.64 | 0.00 | -33.73  | 0.00 | 33.73  | 782.42   | 391.21 | 588.08   | 290.43 | 12.26 | -1.45 | 0.125 |
| 129.00 | -7.00  | -2.63 | 0.00 | -31.09  | 0.00 | 31.09  | 778.12   | 389.06 | 579.79   | 286.34 | 12.57 | -1.47 | 0.118 |
| 130.00 | -5.23  | -1.76 | 0.00 | -27.31  | 0.00 | 27.31  | 773.77   | 386.89 | 571.52   | 282.25 | 12.88 | -1.49 | 0.104 |
| 131.00 | -5.17  | -1.75 | 0.00 | -25.54  | 0.00 | 25.54  | 769.39   | 384.69 | 563.28   | 278.18 | 13.19 | -1.51 | 0.099 |
| 132.00 | -5.11  | -1.73 | 0.00 | -23.80  | 0.00 | 23.80  | 764.96   | 382.48 | 555.06   | 274.13 | 13.51 | -1.52 | 0.094 |
| 133.00 | -5.06  | -1.71 | 0.00 | -22.07  | 0.00 | 22.07  | 760.49   | 380.24 | 546.88   | 270.08 | 13.83 | -1.54 | 0.088 |
| 134.00 | -5.00  | -1.70 | 0.00 | -20.35  | 0.00 | 20.35  | 755.98   | 377.99 | 538.72   | 266.05 | 14.15 | -1.55 | 0.083 |
| 135.00 | -4.95  | -1.68 | 0.00 | -18.65  | 0.00 | 18.65  | 751.42   | 375.71 | 530.59   | 262.04 | 14.48 | -1.57 | 0.078 |
| 136.00 | -4.89  | -1.67 | 0.00 | -16.97  | 0.00 | 16.97  | 746.83   | 373.41 | 522.49   | 258.04 | 14.81 | -1.58 | 0.072 |
| 137.00 | -4.84  | -1.65 | 0.00 | -15.30  | 0.00 | 15.30  | 742.19   | 371.10 | 514.42   | 254.05 | 15.14 | -1.59 | 0.067 |
| 138.00 | -4.78  | -1.64 | 0.00 | -13.65  | 0.00 | 13.65  | 737.52   | 368.76 | 506.39   | 250.09 | 15.48 | -1.60 | 0.061 |
| 139.00 | -4.73  | -1.62 | 0.00 | -12.02  | 0.00 | 12.02  | 732.80   | 366.40 | 498.39   | 246.13 | 15.81 | -1.61 | 0.055 |
| 140.00 | -2.57  | -0.92 | 0.00 | -10.40  | 0.00 | 10.40  | 728.04   | 364.02 | 490.42   | 242.20 | 16.15 | -1.62 | 0.046 |
| 141.00 | -2.52  | -0.91 | 0.00 | -9.48   | 0.00 | 9.48   | 721.77   | 360.89 | 481.50   | 237.80 | 16.49 | -1.63 | 0.043 |
| 142.00 | -2.47  | -0.89 | 0.00 | -8.57   | 0.00 | 8.57   | 714.82   | 357.41 | 472.22   | 233.21 | 16.84 | -1.64 | 0.040 |
| 143.00 | -2.43  | -0.87 | 0.00 | -7.68   | 0.00 | 7.68   | 707.87   | 353.93 | 463.02   | 228.67 | 17.18 | -1.64 | 0.037 |
| 144.00 | -2.38  | -0.86 | 0.00 | -6.81   | 0.00 | 6.81   | 700.91   | 350.46 | 453.92   | 224.17 | 17.52 | -1.65 | 0.034 |
| 145.00 | -2.33  | -0.84 | 0.00 | -5.95   | 0.00 | 5.95   | 693.96   | 346.98 | 444.90   | 219.72 | 17.87 | -1.66 | 0.030 |
| 146.00 | -2.28  | -0.83 | 0.00 | -5.11   | 0.00 | 5.11   | 687.01   | 343.50 | 435.98   | 215.31 | 18.22 | -1.66 | 0.027 |
| 147.00 | -2.23  | -0.81 | 0.00 | -4.28   | 0.00 | 4.28   | 680.05   | 340.03 | 427.15   | 210.95 | 18.57 | -1.67 | 0.024 |
| 148.00 | -2.19  | -0.80 | 0.00 | -3.47   | 0.00 | 3.47   | 673.10   | 336.55 | 418.40   | 206.63 | 18.92 | -1.67 | 0.020 |
| 149.00 | -2.14  | -0.78 | 0.00 | -2.67   | 0.00 | 2.67   | 666.15   | 333.07 | 409.75   | 202.36 | 19.27 | -1.68 | 0.016 |
| 150.00 | 0.00   | -0.72 | 0.00 | -1.89   | 0.00 | 1.89   | 659.19   | 329.60 | 401.19   | 198.13 | 19.62 | -1.68 | 0.010 |

Pole : 302523  
 Location : New Milford CT 2, CT  
 Height : 150.0 (ft)  
 Base Dia : 53.90 (in)  
 Top Dia : 15.00 (in)  
 Shape : 12 Sides  
 Taper : 0.156700 (in/ft)

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

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## Analysis Summary

| Load Case            | Reactions             |                       |                       |                           |                           |                           | Max Usage    |                      |
|----------------------|-----------------------|-----------------------|-----------------------|---------------------------|---------------------------|---------------------------|--------------|----------------------|
|                      | Shear<br>FX<br>(kips) | Shear<br>FZ<br>(kips) | Axial<br>FY<br>(kips) | Moment<br>MX<br>(ft-kips) | Moment<br>MY<br>(ft-kips) | Moment<br>MZ<br>(ft-kips) | Elev<br>(ft) | Interaction<br>Ratio |
| 1.2D + 1.6W          | 28.31                 | 0.00                  | 50.91                 | 0.00                      | 0.00                      | 2638.86                   | 110.00       | 0.94                 |
| 0.9D + 1.6W          | 28.15                 | 0.00                  | 38.32                 | 0.00                      | 0.00                      | 2604.61                   | 110.00       | 0.92                 |
| 1.2D + 1.0Di + 1.0Wi | 4.43                  | 0.00                  | 78.08                 | 0.00                      | 0.00                      | 446.05                    | 110.00       | 0.20                 |
| 1.0D + 1.0W          | 7.06                  | 0.00                  | 42.52                 | 0.00                      | 0.00                      | 653.03                    | 110.00       | 0.24                 |

## Additional Steel Summary

|           |         |                      | Intermediate Connectors |         |        | Upper Termination |        |      |        | Lower Termination |        |      |        |            |       |       |
|-----------|---------|----------------------|-------------------------|---------|--------|-------------------|--------|------|--------|-------------------|--------|------|--------|------------|-------|-------|
| Elev From | Elev To |                      | Shear                   | Shear   |        | Connectors        |        |      |        | Connectors        |        |      |        | Max Member |       |       |
| (ft)      | (ft)    | Member               | VQ/I                    | Applied | phiVn  | MQ/I              | phiVn  | Num  | Num    | MQ/I              | phiVn  | Num  | Num    | Pu         | phiPn | Ratio |
| (lb/in)   | (kips)  | (kips)               | (kips)                  | (kips)  | (kips) | (kips)            | (kips) | Reqd | Actual | (kips)            | (kips) | Reqd | Actual | (kip)      | (kip) |       |
| 84.6      | 95.4    | (3) SOL-#20 All Thre | 347.5                   | 10.4    | 38.3   | 152.7             | 38.3   | 4    | 12     | 83.4              | 38.3   | 3    | 16     | 182.0      | 330.5 | 0.551 |

|                   |                     |                  |
|-------------------|---------------------|------------------|
| Base/Flange Plate | Plate Type          | <b>Baseplate</b> |
|                   | Pole Diameter       | 50 in            |
|                   | Pole Thickness      | 0.38 in          |
|                   | Plate Diameter      | 63.08 in         |
|                   | Plate Thickness     | 2 in             |
|                   | Plate Fy            | 60 ksi           |
|                   | Weld Length         | 0.5 in           |
|                   | $\phi_s$ Resistance | 530.14 k-in      |
|                   | Applied             | 155.24 k-in      |
|                   |                     |                  |
| Stiffeners        | #                   | 0                |
|                   |                     |                  |

|               |                                 |          |
|---------------|---------------------------------|----------|
| Bolts         | #                               | 16       |
|               | Bolt Circle (R)adial / (S)quare | 58 in R  |
|               | Diameter                        | 1.5 in   |
|               | Hole Diameter                   | 1.625 in |
|               | Type                            | A325     |
|               | Fy                              | 92 ksi   |
|               | Fu                              | 120 ksi  |
|               | $\phi_s$ Resistance             | 134.90 k |
|               | Applied                         | 57.77 k  |
|               |                                 |          |
| Reinforcement | #                               | 0        |
|               |                                 |          |
| Extra Bolts   | #                               | 0        |
|               |                                 |          |

Code Rev.

**G**

Date

6/4/2014

Engineer

JMA

Site #

302523

Carrier

Sprint Nextel

Moment

1055.6 k-ft

Axial

50.9 k

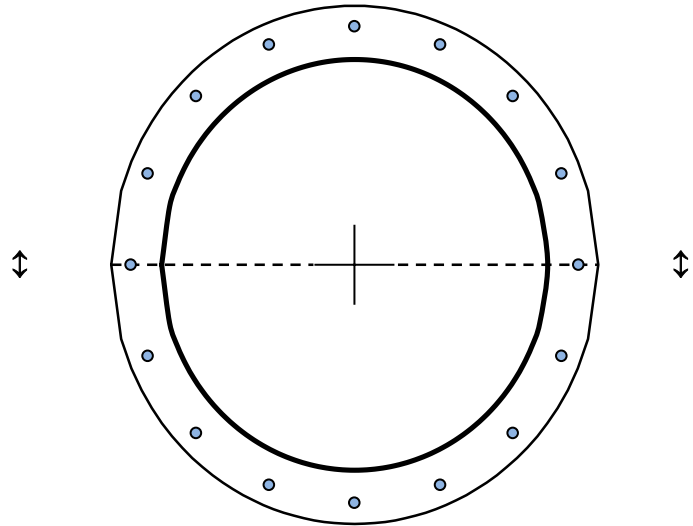


Plate Stress Ratio:

0.29

(Pass)

Bolt Stress Ratio:

0.43

(Pass)

|                   |                     |                  |
|-------------------|---------------------|------------------|
| Base/Flange Plate | Plate Type          | <b>Baseplate</b> |
|                   | Pole Diameter       | 37.38 in         |
|                   | Pole Thickness      | 0.375 in         |
|                   | Plate Length        | 44 in            |
|                   | Plate Thickness     | 2.5 in           |
|                   | Plate Fy            | 60 ksi           |
|                   | Weld Length         | 0.3125 in        |
|                   | $\phi_s$ Resistance | 1382.37 k-in     |
|                   | Applied             | 810.29 k-in      |
|                   |                     |                  |
| Stiffeners        | #                   | 0                |
|                   |                     |                  |

|       |                     |            |
|-------|---------------------|------------|
| Bolts | #                   | 8          |
|       | Bolt Circle         | 44 in      |
|       | (R)adial / (S)quare | S          |
|       | Bolt Gap            | 6 in       |
|       | Diameter            | 2.25 in    |
|       | Hole Diameter       | 2.3125 in  |
|       | Type                | A615 GR 75 |
|       | Fy                  | 75 ksi     |
|       | Fu                  | 100 ksi    |
|       | $\phi_s$ Resistance | 259.82 k   |
|       | Applied             | 220.04 k   |
|       |                     |            |

|               |   |   |
|---------------|---|---|
| Reinforcement | # | 0 |
|               |   |   |

|             |   |   |
|-------------|---|---|
| Extra Bolts | # | 0 |
|             |   |   |

Code Rev. **G**

Date 6/4/2014  
 Engineer JMA  
 Site # 302523  
 Carrier Sprint Nextel

Moment 1583.3 k-ft  
 Axial 50.9 k

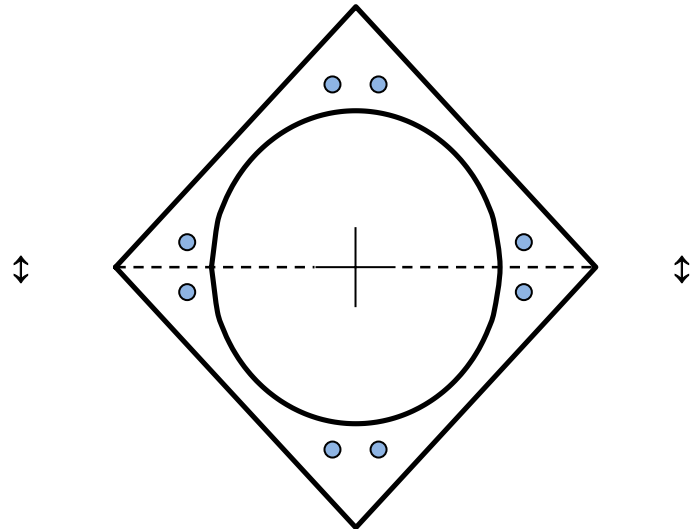


Plate Stress Ratio:

0.59 (Pass)

Bolt Stress Ratio:

0.85 (Pass)

|                   |                     |                         |
|-------------------|---------------------|-------------------------|
| Base/Flange Plate | Plate Type          | <b>Flange @ 15.0 ft</b> |
|                   | Pole Diameter       | 41.726 in               |
|                   | Pole Thickness      | 0.31 in                 |
|                   | Plate Diameter      | 54.65 in                |
|                   | Plate Thickness     | 2 in                    |
|                   | Plate Fy            | 60 ksi                  |
|                   | Weld Length         | 0.3125 in               |
|                   | $\phi_s$ Resistance | 589.89 k-in             |
|                   | Applied             | 157.42 k-in             |
|                   |                     |                         |
| Stiffeners        | #                   | 0                       |
|                   |                     |                         |

|               |                     |          |
|---------------|---------------------|----------|
| Bolts         | #                   | 12       |
|               | Bolt Circle         | 49.65 in |
|               | (R)adial / (S)quare | R        |
|               | Diameter            | 1.5 in   |
|               | Hole Diameter       | 1.813 in |
|               | Type                | A325     |
|               | Fy                  | 92 ksi   |
|               | Fu                  | 120 ksi  |
|               | $\phi_s$ Resistance | 126.47 k |
|               | Applied             | 57.39 k  |
| Reinforcement | #                   | 0        |
|               |                     |          |
| Extra Bolts   | #                   | 0        |
|               |                     |          |

Code Rev. **G**

Date **6/4/2014**  
 Engineer **JMA**  
 Site # **302523**  
 Carrier **Sprint Nextel**

Moment **757.2 k-ft**  
 Axial **43.1 k**

Required Flange Thickness:

**1.03 in** OK

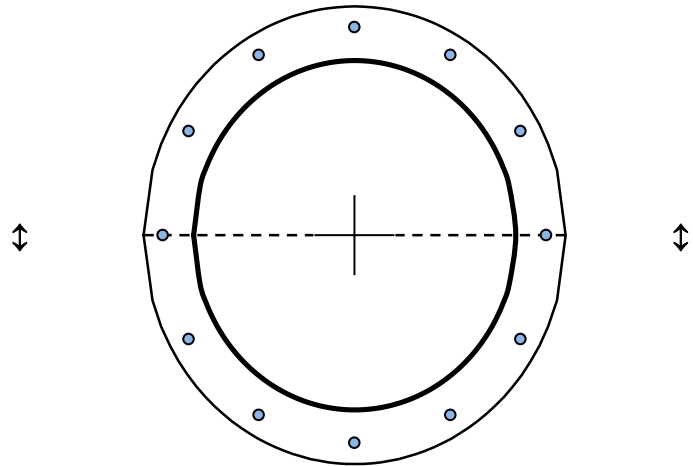


Plate Stress Ratio:

**0.27** (Pass)

Bolt Stress Ratio:

**0.45** (Pass)

|                   |                     |                         |
|-------------------|---------------------|-------------------------|
| Base/Flange Plate | Plate Type          | <b>Flange @ 55.0 ft</b> |
|                   | Pole Diameter       | 35.742 in               |
|                   | Pole Thickness      | 0.25 in                 |
|                   | Plate Diameter      | 48.456 in               |
|                   | Plate Thickness     | 2 in                    |
|                   | Plate Fy            | 60 ksi                  |
|                   | Weld Length         | 0.3125 in               |
|                   | $\phi_s$ Resistance | 606.35 k-in             |
|                   | Applied             | 137.92 k-in             |
|                   |                     |                         |
| Stiffeners        | #                   | 0                       |
|                   |                     |                         |

|               |                     |           |
|---------------|---------------------|-----------|
| Bolts         | #                   | 10        |
|               | Bolt Circle         | 43.456 in |
|               | (R)adial / (S)quare | R         |
|               | Diameter            | 1.5 in    |
|               | Hole Diameter       | 1.813 in  |
|               | Type                | A325      |
|               | Fy                  | 92 ksi    |
|               | Fu                  | 120 ksi   |
|               | $\phi_s$ Resistance | 126.47 k  |
|               | Applied             | 52.28 k   |
| Reinforcement | #                   | 0         |
|               |                     |           |
| Extra Bolts   | #                   | 0         |
|               |                     |           |

Code Rev. **G**

Date **6/4/2014**  
 Engineer **JMA**  
 Site # **302523**  
 Carrier **Sprint Nextel**

Moment **496.9 k-ft**  
 Axial **25.8 k**

Required Flange Thickness:

**0.95 in** OK

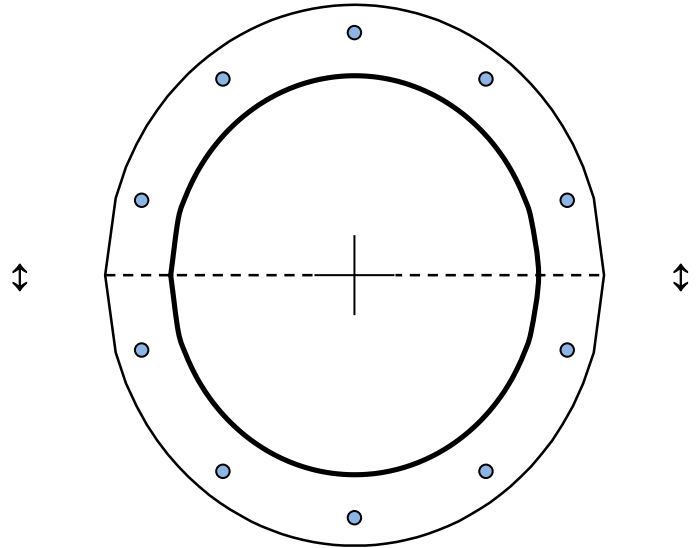


Plate Stress Ratio:

**0.23** (Pass)

Bolt Stress Ratio:

**0.41** (Pass)

|                   |                     |                          |
|-------------------|---------------------|--------------------------|
| Base/Flange Plate | Plate Type          | <b>Flange @ 110.0 ft</b> |
|                   | Pole Diameter       | 21.25 in                 |
|                   | Pole Thickness      | 0.1875 in                |
|                   | Plate Diameter      | 28.5 in                  |
|                   | Plate Thickness     | 1 in                     |
|                   | Plate Fy            | 60 ksi                   |
|                   | Weld Length         | 0.3125 in                |
|                   | $\phi_s$ Resistance | 75.10 k-in               |
|                   | Applied             | 71.45 k-in               |
|                   |                     |                          |
| Stiffeners        | #                   | 0                        |
|                   |                     |                          |

|               |                     |          |
|---------------|---------------------|----------|
| Bolts         | #                   | 12       |
|               | Bolt Circle         | 25.75 in |
|               | (R)adial / (S)quare | R        |
|               | Diameter            | 1 in     |
|               | Hole Diameter       | 1.125 in |
|               | Type                | A325     |
|               | Fy                  | 92 ksi   |
|               | Fu                  | 120 ksi  |
|               | $\phi_s$ Resistance | 54.52 k  |
|               | Applied             | 51.96 k  |
| Reinforcement | #                   | 0        |
|               |                     |          |
| Extra Bolts   | #                   | 0        |
|               |                     |          |

Code Rev. **G**

Date 6/4/2014  
 Engineer JMA  
 Site # 302523  
 Carrier Sprint Nextel

Moment 339.7 k-ft  
 Axial 9.3 k

Required Flange Thickness:

0.98 in OK

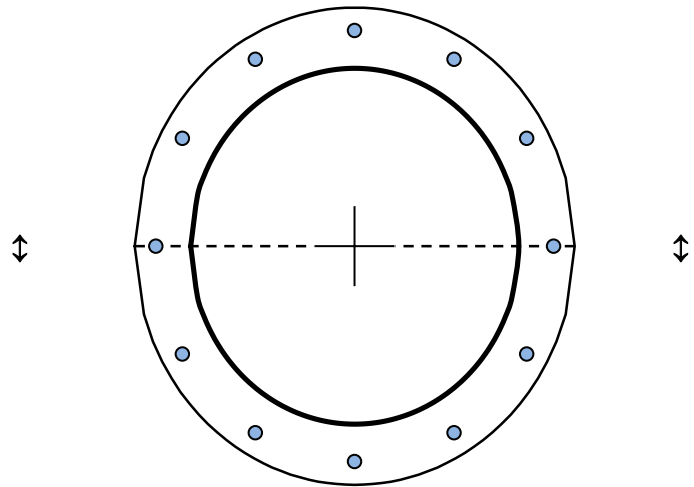


Plate Stress Ratio:

0.95 (Pass)

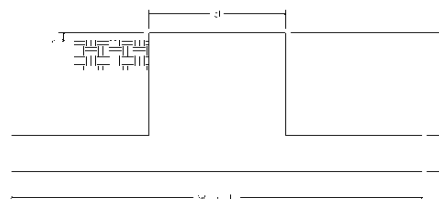
Bolt Stress Ratio:

0.95 (Pass)



Site Name: New Milford CT 2  
 Site Number: 302523  
 Engineering Number: 58996021  
 Engineer: Jared Aman  
 Date: 06/06/14  
 Tower Type: MP

Program Last Updated: 5/13/2014



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

| Design / Analysis / Mapping:               | Analysis            |                                     |                       |
|--------------------------------------------|---------------------|-------------------------------------|-----------------------|
| Compression/Leg:                           | 50.9 k              | Concrete Strength ( $f'_c$ ):       | 3000 psi              |
| Uplift/Leg:                                | 0.0 k               | Pad Tension Steel Depth:            | 32.00 in              |
| Total Shear:                               | 28.3 k              | $\phi_{\text{Shear}}$ :             | 0.75                  |
| Moment:                                    | 2638.9 k-ft         | $\phi_{\text{Flexure / Tension}}$ : | 0.90                  |
| Tower + Appurtenance Weight:               | 50.9 k              | $\phi_{\text{Compression}}$ :       | 0.65                  |
| Depth to Base of Foundation (l + t - h):   | 9.00 ft             | $\beta$ :                           | 0.85                  |
| Diameter of Pier (d):                      | 6.17 ft             | Bottom Pad Rebar Size #:            | 10                    |
| Height of Pier above Ground (h):           | 0.50                | # of Bottom Pad Rebar:              | 36                    |
| Width of Pad (W):                          | 24.00 ft            | Pad Bottom Steel Area:              | 45.72 in <sup>2</sup> |
| Length of Pad (L):                         | 18.00 ft            | Pad Steel $F_y$ :                   | 60000 psi             |
| Thickness of Pad (t):                      | 3.00 ft             | Top Pad Rebar Size #:               | 5                     |
| Tower Leg Center to Center:                | 0.00 ft             | # of Top Pad Rebar:                 | 36                    |
| Number of Tower Legs:                      | 1.0 (1 if MP or GT) | Pad Top Steel Area:                 | 11.16 in <sup>2</sup> |
| Tower Center from Mat Center:              | 3.00 ft             | Pier Rebar Size #:                  | 11                    |
| Depth Below Ground Surface to Water Table: | 14.00 ft            | Pier Steel Area (Single Bar):       | 1.56 in <sup>2</sup>  |
| Unit Weight of Concrete:                   | 150.0 pcf           | # of Pier Rebar:                    | 14                    |
| Unit Weight of Soil Above Water Table:     | 110.0 pcf           | Pier Steel $F_y$ :                  | 60000 psi             |
| Unit Weight of Water:                      | 62.4 pcf            | Pier Cage Diameter:                 | 66.0 in               |
| Unit Weight of Soil Below Water Table:     | 55.0 pcf            | Rebar Strain Limit:                 | 0.008                 |
| Friction Angle of Uplift:                  | 20.0 Degrees        | Steel Elastic Modulus:              | 29000 ksi             |
| Ultimate Coefficient of Shear Friction:    | 0.50                | Tie Rebar Size #:                   | 4                     |
| Ultimate Compressive Bearing Pressure:     | 6000.0 psf          | Tie Steel Area (Single Bar):        | 0.20 in <sup>2</sup>  |
| Ultimate Passive Pressure on Pad Face:     | 0.0 psf             | Tie Spacing:                        | 12 in                 |
| $\phi_{\text{Soil and Concrete Weight}}$ : | 0.9                 | Tie Steel $F_y$ :                   | 60000 psi             |
| $\phi_{\text{Soil}}$ :                     | 0.75                |                                     |                       |

### Overturning Moment Usage

|                              |                 |
|------------------------------|-----------------|
| Design OTM:                  | 3060.5 k-ft     |
| OTM Resistance:              | 4674.2 k-ft     |
| Design OTM / OTM Resistance: | 0.65 Result: OK |

### Soil Bearing Pressure Usage

|                                                         |                      |
|---------------------------------------------------------|----------------------|
| Net Bearing Pressure:                                   | 3926 psf             |
| Factored Nominal Bearing Pressure:                      | 4500 psf             |
| Net Bearing Pressure/Factored Nominal Bearing Pressure: | 0.87 Result: OK      |
| Load Direction Controlling Design Bearing Pressure:     | Diagonal to Pad Edge |

### Sliding Factor of Safety

|                                      |                 |
|--------------------------------------|-----------------|
| Total Factored Sliding Resistance:   | 199.3 k         |
| Sliding Design / Sliding Resistance: | 0.14 Result: OK |

One Way Shear, Flexural Capacity, and Punching Shear

|                                                   |                                                          |
|---------------------------------------------------|----------------------------------------------------------|
| Factored One Way Shear ( $V_u$ ):                 | 127.2 k                                                  |
| One Way Shear Capacity ( $\phi V_c$ ):            | 440.3 k - ACI11.3.1.1                                    |
| $V_u / \phi V_c$ :                                | 0.29 Result: OK                                          |
| Load Direction Controlling Shear Capacity:        | Diagonal to Pad Edge                                     |
| Lower Steel Pad Factored Moment ( $M_u$ ):        | 766.6 k-ft                                               |
| Lower Steel Pad Moment Capacity ( $\phi M_n$ ):   | 4877.5 k-ft - ACI10.3                                    |
| $M_u / \phi M_n$ :                                | 0.16 Result: OK                                          |
| Load Direction Controlling Flexural Capacity:     | Diagonal to Pad Edge                                     |
| Upper Steel Pad Factored Moment ( $M_u$ ):        | 658.6 k-ft                                               |
| Upper Steel Pad Moment Capacity ( $\phi M_n$ ):   | 1587.6 k-ft                                              |
| $M_u / \phi M_n$ :                                | 0.41 Result: OK                                          |
| Lower Pad Flexural Reinforcement Ratio:           | 0.0050 OK - Minimum Reinforcement Ratio Met - ACI10.5.1  |
| Upper Pad Flexural Reinforcement Ratio:           | 0.0012 OK - Minimum Reinforcement Ratio Met - ACI10.5.1  |
| Lower Pad Reinforcement Spacing:                  | 8 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4 |
| Upper Pad Reinforcement Spacing:                  | 8 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4 |
| Factored Punching Shear ( $V_u$ ):                | 0.0 k                                                    |
| Nominal Punching Shear Capacity ( $\phi_c V_n$ ): | 1751.0 k - ACI11.12.2.1                                  |
| $V_u / \phi V_c$ :                                | 0.00 Result: OK                                          |
| Factored Moment in Pier ( $M_u$ ):                | 2822.9 k-ft                                              |
| Pier Moment Capacity ( $\phi M_n$ ):              | 3184.0 k-ft                                              |
| $M_u / \phi M_n$ :                                | 0.89 Result: OK                                          |
| Factored Shear in Pier ( $V_u$ ):                 | 28.3 k                                                   |
| Pier Shear Capacity ( $\phi V_n$ ):               | 355.4 k                                                  |
| $V_u / \phi V_c$ :                                | 0.08 Result: OK                                          |
| Pier Shear Reinforcement Ratio:                   | 0.0005 No Ties Necessary for Shear - ACI11.5.6.1         |
| Factored Tension in Pier ( $T_u$ ):               | 0.0 k                                                    |
| Pier Tension Capacity ( $\phi T_n$ ):             | 1179.4 k                                                 |
| $T_u / \phi T_n$ :                                | 0.00 Result: OK                                          |
| Factored Compression in Pier ( $P_u$ ):           | 50.9 k                                                   |
| Pier Compression Capacity ( $\phi P_n$ ):         | 5674.0 k - ACI10.3.6.2                                   |
| $P_u / \phi P_n$ :                                | 0.01 Result: OK                                          |
| Pier Compression Reinforcement Ratio:             | 0.005 OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4  |
| $M_u / \phi_B M_n + T_u / \phi_T T_n$ :           | 0.89 Result: OK                                          |

Nominal and Design Moment Capacity and Factored Design Loads

