



STATE OF CONNECTICUT
CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@ct.gov

www.ct.gov/csc

May 23, 2011

Douglas L. Culp, Real Estate Consultant
New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, CT 06067-3900

RE: **EM-CING-015-110503** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 1069 Connecticut Avenue, Bridgeport, Connecticut.

Dear Mr. Culp:

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

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

The proposed modifications including the placement of all necessary equipment and shelters within the tower compound are to be implemented as specified here and in your notice dated May 2, 2011. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Very truly yours,

A handwritten signature in black ink that reads "Linda Roberts".

Linda Roberts
Executive Director

LR/CDM/laf

c: The Honorable Bill Finch, Mayor, City of Bridgeport
Edmund Schmidt, Associate City Attorney, City of Bridgeport
American Tower Corporation





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May 4, 2011

The Honorable Bill Finch
Mayor
City of Bridgeport
City Hall Annex
999 Broad Street
Bridgeport, CT 06604

RE: **EM-CING-015-110503** - New Cingular Wireless PCS, LLC notice of intent to modify an existing telecommunications facility located at 1069 Connecticut Avenue, Bridgeport, Connecticut.

Dear Mayor Finch:

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

If you have any questions or comments regarding this proposal, please call me or inform the Council by May 18, 2011.

Thank you for your cooperation and consideration.

Very truly yours,

Linda Roberts
Executive Director

LR/jbw

Enclosure: Notice of Intent

c: Edmund Schmidt, Associate City Attorney, City of Bridgeport

EM-CING-015-110503



New Cingular Wireless PCS, LLC
500 Enterprise Drive
Rocky Hill, Connecticut 06067-3900
Phone: (860) 463-5511
Fax: (860) 513-7190

Douglas L. Culp
Real Estate Consultant

RECEIVED

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ORIGINAL

RECEIVED
MAY - 3 2011

CONNECTICUT
SITING COUNCIL

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

Re: New Cingular Wireless PCS, LLC notice of intent to modify an existing tele-communications facility located at 1069 Conneiciut Ave. Bridgeport, CT (owner American Tower)

Dear Ms. Roberts:

In order to accommodate technological changes, implement Uniform Mobile Telecommunications System ("UMTS") and/or Long Term Evolution ("LTE") capabilities, and enhance system performance in the State of Connecticut, New Cingular Wireless PCS, LLC ("AT&T") 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 attachments is being sent to the chief elected official of the municipality in which the affected cell site is located.

UMTS technology offers services to mobile computer and phone users anywhere in the world. Based on the Global System for Mobile ("GSM") communication standard, UMTS is the planned worldwide standard for mobile users. UMTS, fully implemented, gives computer and phone users high-speed access to the Internet as they travel. They have the same capabilities even when they roam, through both terrestrial wireless and satellite transmissions.

LTE is a new high-performance air interface for cellular mobile communications. It is the last step toward the 4th generation (4G) of radio technologies, 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 AT&T's operations at the site. Also included is documentation of the

structural sufficiency of the tower to accommodate the revised antenna configuration.

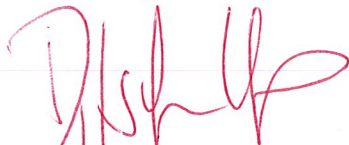
The changes to the facility do not constitute modifications as defined in Connecticut General Statutes ("C.G.S.") Section 16-50i(d) because the general physical characteristics of the facility will not be significantly changed or altered. Rather, the planned changes to the facility fall squarely within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

1. The height of the overall structure will be unaffected.
2. The proposed changes will not extend the site boundaries. There will be no effect on the site compound other than some enlarged equipment pads as may be noted in the attachments.
3. The proposed changes will not increase the noise level at the existing facility by six decibels or more.
4. Radio frequency power density may increase due to use of one or more GSM channel for UMTS 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, New Cingular Wireless 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 (860) 463-5511 with questions concerning this matter. Thank you for your consideration.

Sincerely,



Douglas L. Culp
Real Estate Consultant

Attachments

**NEW CINGULAR WIRELESS PCS, LLC
Equipment Modification**

1069 Connecticut Ave., Bridgeport, CT
Site Number 2252
Exempt Mod 10/04, 10/05

Tower Owner/Manager: American Tower

Equipment configuration: Monopole

Current and/or approved: Six PowerWave antennas @ 105 ft
12 PowerWave TMA's @ 105 ft
Twelve runs 1 5/8 inch coax to 105 ft
Equipment Shelter

Planned Modifications: Retain existing PowerWave Antenna's and TMA's at 105 ft
Retain all Coax Cabling
Install three LTE KMW14-65 antennas or equivalent @ 105 ft
Install three remote radio heads and surge arrestor @ 105 ft
Install one new cabinet and surge suppressor equipment in shelter

Power Density:

Worst-case calculations for existing wireless operations at the site, using standard parameters for other carriers, indicate a radio frequency electromagnetic radiation power density, measured at ground level beside the Tower, of approximately 88.6% of the standard adopted by the FCC. As depicted in the second table below, the total radio frequency electromagnetic radiation power density following proposed modifications would be approximately 91.9 % of the standard.

Existing

Other Users							52.84
AT&T UMTS	105	1900 Band	2	500	0.0326	1.0000	3.26
AT&T UMTS	105	800 Band	1	500	0.0163	0.5867	2.78
AT&T GSM	105	800Band	13	296	0.1255	0.5867	21.39
AT&T GSM	105	1900 Band	6	427	0.0836	1.0000	8.36
Total							88.6%

* Data for other users are from Siting Council records.

Proposed

Company	Centerline Ht (feet)	Frequency (MHz)	Number of Channels	Power Per Channel (Watts)	Power Density (mW/cm ²)	Standard Limits (mW/cm ²)	Percent of Limit
Other Users							52.84
AT&T UMTS	105	800 Band	1	500	0.0163	0.5867	2.78
AT&T UMTS	105	1900 Band	2	500	0.0326	1.0000	3.26
AT&T GSM	105	1900 Band	6	427	0.0836	1.0000	8.36
AT&T GSM	105	880 - 894	13	296	0.1255	0.5867	21.39
AT&T LTE	105	740 - 746	1	500	0.0163	0.4933	3.31
Total							91.9%

* Data for other users are from Siting Council records.

Structural information:

The attached structural analysis demonstrates that the monopole and foundation have adequate structural capacity to accommodate the proposed modifications. (American Tower., Inc. dated 4-5-11).

PROJECT INFORMATION

SCOPE OF WORK: UNMANNED TELECOMMUNICATIONS FACILITY MODIFICATIONS
 SITE ADDRESS: 1069 CONNECTICUT AVENUE
 BRIDGEPORT, CT 06607
 LATITUDE: 41° 11' 01.02" N
 LONGITUDE: -73° 15' 39.328" W
 JURISDICTION: NATIONAL STATE & LOCAL CODES OR ORDINANCES
 CURRENT USE: TELECOMMUNICATIONS FACILITY
 PROPOSED USE: TELECOMMUNICATIONS FACILITY
 NOC# 866-915-5600



SITE NUMBER: CT2252
SITE NAME: BRIDGEPORT - CONNECTICUT AVENUE

DRAWING INDEX

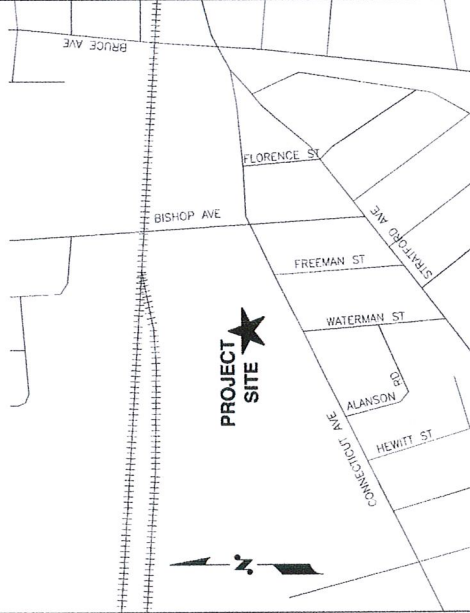
- T-1 TITLE SHEET
- GN-1 GENERAL NOTES
- A-1 COMPOUND & EQUIPMENT PLAN
- A-2 ANTENNA LAYOUT AND ELEVATION
- A-3 DETAILS
- G-1 PLUMBING DIAGRAM & DETAILS

REV

- 1
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VICINITY MAP

DIRECTIONS TO SITE:
 START OUT GOING NORTHEAST ON ENTERPRISE DR TOWARD CAPITOL BLVD. 0.4 MI TURN LEFT ONTO CAPITOL BLVD. 0.3 MI TURN LEFT ONTO WEST ST. 0.3 MI MERGE ONTO ROUTE 91 N IN THE ROUGH TURN RIGHT VIA THE EXIT ON THE LEFT TOWARD N.Y. CITY. 15.4 MI TAKE THE SOUTH AVE EXIT. EXIT 31. 0.2 MI TURN RIGHT ONTO SOUTH AVE. 0.1 MI TURN LEFT ONTO STRATFORD AVE. 0.6 MI TURN SLIGHT RIGHT ONTO CONNECTICUT AVE. 0.2 MI 1069 CONNECTICUT AVE IS ON THE RIGHT.



GENERAL NOTES

1. THIS DOCUMENT IS THE CREATION, DESIGN, PROPERTY AND COPYRIGHTED WORK OF AT&T. ANY DUPLICATION OR USE BY ANY OTHER PARTY WITHOUT THE WRITTEN PERMISSION OF AT&T IS PROHIBITED. THE USER OF THIS DOCUMENT SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE GOVERNMENT AGENCIES FOR THE PURPOSES OF CONDUCTING THEIR LAWFULLY AUTHORIZED REGULATORY AND ADMINISTRATIVE FUNCTIONS IS SPECIFICALLY ALLOWED.
2. THE FACILITY IS AN UNMANNED PRIVATE AND SECURED EQUIPMENT INSTALLATION. IT IS ONLY ACCESSIBLE BY TRAINED TECHNICIANS FOR PERIODIC ROUTINE MAINTENANCE AND THEREFORE DOES NOT REQUIRE ANY WATER OR SANITATION SERVICES. ACCESS PER ADA REQUIREMENTS.
3. CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE AT&T REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

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



UNDERGROUND SERVICE ALERT

David J. Ham
 AT&T



SITE NUMBER: CT2252
 SITE NAME: BRIDGEPORT-CONNECTICUT AVENUE
 1069 CONNECTICUT AVENUE
 BRIDGEPORT, CT 06607
 FAIRFIELD COUNTY

22 KEEMAXON DRIVE
 SALEM, NH 03079



Hudson
 Design Group
 180 GOSWOLD STREET
 SALEM, NH 03079
 TEL: 603-886-2100
 FAX: 603-886-2555
 WWW.HUDSONDESIGN.COM

NO.	DATE	ISSUED FOR	REVISIONS	DESIGNED BY	SCALE	AS SHOWN
1	03/29/11	ISSUED FOR CONSTRUCTION	HC DC (DPA)			
0	02/17/11	ISSUED FOR REVIEW	DB DC (DPA)			
			BY CHK (DPA)			
			DESIGNED BY: DC			
			DRAWN BY: DB			
			JOB NUMBER			
			2252.01			
			TITLE SHEET (LIE)			
			DRAWING NUMBER			
			T-1			
			REV			
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GROUNDING NOTES

1. THE SUBCONTRACTOR SHALL REVIEW AND INSPECT THE EXISTING FACILITY GROUNDING SYSTEM AND LIGHTNING PROTECTION SYSTEM (AS DESIGNED AND INSTALLED) FOR STRICT COMPLIANCE WITH THE NEC (AS ADOPTED BY THE AHJ), THE SITE-SPECIFIC (UL, LPI, OR NFPA) LIGHTNING PROTECTION CODE, AND GENERAL COMPLIANCE WITH THE TOLBORGA AND TIA GROUNDING STANDARDS. THE SUBCONTRACTOR SHALL REPORT ANY VIOLATIONS OR ADVERSE FINDINGS TO THE CONTRACTOR FOR RESOLUTION.

2. ALL GROUND ELECTRODE SYSTEMS (INCLUDING TELECOMMUNICATION, RADIO, LIGHTNING PROTECTION, AND AC POWER GESS) SHALL BE BONDED TOGETHER, AT OR BELOW GRADE, BY TWO OR MORE COPPER BONDING CONDUCTORS IN ACCORDANCE WITH THE NEC.

3. THE SUBCONTRACTOR SHALL PERFORM IEEE FALL-OF-POTENTIAL RESISTANCE TO EARTH TESTING (PER IEEE 1100 AND 81) FOR NEW GROUND ELECTRODE SYSTEMS. THE SUBCONTRACTOR SHALL FURNISH AND INSTALL SUPPLEMENTAL GROUND ELECTRODES AS NEEDED TO ACHIEVE A TEST RESULT OF 5 OHMS OR LESS.

4. METAL RACKWAY SHALL NOT BE USED AS THE NEC REQUIRED EQUIPMENT BONDING CONDUCTOR. COPPER CONDUCTORS WITH GREEN INSULATION SHALL BE INSTALLED WITH THE POWER CIRCUITS TO BVS EQUIPMENT.

5. EACH BVS CABINET FRAME SHALL BE DIRECTLY CONNECTED TO THE MASTER GROUND BAR WITH GREEN INSULATED SUPPLEMENTAL EQUIPMENT GROUND WIRES, 6 AWG STRANDED COPPER OR LARGER FOR INDOOR; BVS 2 AWG STRANDED COPPER FOR OUTDOOR BVS.

6. EXOTHERMIC WELDS SHALL BE USED FOR ALL GROUNDING CONNECTIONS BELOW GRADE.

7. APPROVED ANTI-OXIDANT COATINGS (I.E. CONDUCTIVE GEL OR PASTE) SHALL BE USED ON ALL COMPRESSION AND BOLTED GROUND CONNECTIONS.

8. ICE BRIDGE BONDING CONDUCTORS SHALL BE EXOTHERMICALLY BONDED OR BOLTED TO THE BRIDGE AND THE TOWER GROUND BAR.

9. ALUMINUM CONDUCTOR OR COPPER CUAD STEEL CONDUCTOR SHALL NOT BE USED FOR GROUNDING CONNECTIONS.

10. MISCELLANEOUS ELECTRICAL AND NON-ELECTRICAL METAL BOXES, FRAMES AND SUPPORTS SHALL BE BONDED TO THE GROUND RING, IN ACCORDANCE WITH THE NEC.

11. METAL CONDUIT SHALL BE MADE ELECTRICALLY CONTINUOUS WITH LISTED BONDING FITTINGS OR BY BONDING ACROSS THE DISCONTINUITY WITH 6 AWG COPPER WIRE UL APPROVED GROUNDING TYPE CONDUIT CLAMPS.

12. ALL NEW STRUCTURES WITH A FOUNDATION AND/OR FOOTING HAVING 20 FT. OR MORE OF 2 IN. OR GREATER DIAMETER SHALL BE BONDED TO THE GROUND RING USING AN EXOTHERMIC WELD CONNECTION USING #2 AWG SOLID BARE TINNED COPPER GROUND WIRE, PER NEC 250.50

GENERAL NOTES

1. FOR THE PURPOSE OF CONSTRUCTION DRAWING, THE FOLLOWING DEFINITIONS SHALL APPLY:
CONTRACTOR - SA
SUBCONTRACTOR - GENERAL CONTRACTOR (CONSTRUCTION)
OWNER - AT&T MOBILITY

2. PRIOR TO THE SUBMISSION OF BIDS, THE BIDDING SUBCONTRACTOR SHALL VERIFY THAT THE WORK CAN BE ACCOMPLISHED IN ACCORDANCE WITH THE CONSTRUCTION DRAWINGS. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE ATTENTION OF CONTRACTOR.

3. ALL MATERIALS FURNISHED AND INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. SUBCONTRACTOR SHALL ISSUE ALL APPROPRIATE NOTICES AND ORDERS WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ANY AGENCY REGARDING THE PERFORMANCE OF THE WORK. ALL WORK CARRIED OUT SHALL BE WITH APPLICABLE FEDERAL, STATE, AND LOCAL COMPANY SPECIFICATIONS AND LOCAL JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.

4. DRAWINGS PROVIDED HERE ARE NOT TO BE SOALED AND ARE INTENDED TO SHOW OUTLINE ONLY.

5. UNLESS NOTED OTHERWISE, THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES, AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.

6. "KITTING LIST" SUPPLIED WITH THE BID PACKAGE IDENTIFIES ITEMS THAT WILL BE SUPPLIED BY CONTRACTOR. ITEMS NOT INCLUDED IN THE BILL OF MATERIALS AND KITTING LIST SHALL BE SUPPLIED BY THE SUBCONTRACTOR.

7. THE SUBCONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY STATED OTHERWISE.

8. IF THE SPECIFIED EQUIPMENT CANNOT BE INSTALLED AS SHOWN ON THESE DRAWINGS, THE SUBCONTRACTOR SHALL PROPOSE AN ALTERNATIVE INSTALLATION SPACE FOR APPROVAL BY THE CONTRACTOR.

9. SUBCONTRACTOR SHALL DETERMINE ACTUAL ROUTING OF CONDUIT POWER AND TELECOM GROUNDING CABLES SHOWN ON THE POWER GROUNDING AND TELCO PLAN DRAWING. SUBCONTRACTOR SHALL UTILIZE EXISTING TRAYS AND/OR SHALL ADD NEW TRAYS AS NECESSARY. SUBCONTRACTOR SHALL CONFIRM THE ACTUAL ROUTING WITH THE CONTRACTOR.

10. THE SUBCONTRACTOR SHALL PROTECT EXISTING IMPROVEMENTS, PAVEMENTS, CURBS, LANDSCAPING AND STRUCTURES. ANY DAMAGED PART SHALL BE REPAIRED AT SUBCONTRACTOR'S EXPENSE TO THE SATISFACTION OF OWNER.

11. SUBCONTRACTOR SHALL LEGALLY AND PROPERLY DISPOSE OF ALL SCRAP MATERIALS SUCH AS COAXIAL CABLES AND OTHER ITEMS REMOVED FROM THE EXISTING FACILITY. ANTENNAS REMOVED SHALL BE RETURNED TO THE OWNER'S DESIGNATED LOCATION.

12. SUBCONTRACTOR SHALL LEAVE PREMISES IN CLEAN CONDITION.

13. ALL CONCRETE REPAIR WORK SHALL BE DONE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.

14. ANY NEW CONCRETE NEEDED FOR THE CONSTRUCTION SHALL BE AIR-ENTRAINED AND SHALL HAVE 4000 PSI STRENGTH AT 28 DAYS. ALL CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH ACI 318 CODE REQUIREMENTS.

15. ALL STRUCTURAL STEEL WORK SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH AISC SPECIFICATIONS. ALL STRUCTURAL STEEL SHALL BE ASTM A36 (F_y = 36 ksi) UNLESS OTHERWISE NOTED. THE WELDS SHALL BE AS NOTED (F_w = 36 ksi). ALL WELLS SHALL BE FULL PENETRATING BUTT JOINTS. ALL WELDS SHALL BE HOT DIPPED GALVANIZED TOUCH UP TO BE COMPATIBLE WITH THE FIELD AFTER STEEL IS ERRECTED USING A COMPATIBLE ZINC RICH PAINT.

16. CONSTRUCTION SHALL COMPLY WITH LIMITS SPECIFICATIONS AND "GENERAL" CONSTRUCTION SERVICES FOR CONSTRUCTION OF AT&T MOBILITY SITES.

17. SUBCONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING THE DRAWINGS. ALL DIMENSIONS AND CONDITIONS SHALL BE SHOWN ON THE DRAWINGS. ANY DISCREPANCIES SUBCONTRACTOR SHALL NOTIFY THE CONTRACTOR OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.

18. THE EXISTING CELL SITE IS IN FULL COMMERCIAL OPERATION. ANY CONSTRUCTION WORK BY SUBCONTRACTOR SHALL NOT DISRUPT THE EXISTING NORMAL OPERATION. ANY WORK ON EXISTING EQUIPMENT MUST BE COORDINATED WITH CONTRACTOR. ALSO, WORK SHOULD BE SCHEDULED FOR AN APPROPRIATE MAINTENANCE WINDOW USUALLY IN LOW TRAFFIC PERIODS AFTER MIDNIGHT.

19. SINCE THE CELL SITE IS ACTIVE, ALL SAFETY PRECAUTIONS MUST BE TAKEN WHEN WORKING AROUND HIGH LEVELS OF ELECTROMAGNETIC INTERFERENCE (EMI). ALL WORKERS SHOULD BE ADVISED TO WEAR ANY WORK THAT COULD EXPOSE THEM TO RADIATION. PERSONAL RF EXPOSURE MONITORS ARE ADVISED TO BE WORN TO ALERT OF ANY DANGEROUS EXPOSURE LEVELS.

20. APPLICABLE BUILDING CODES:
SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL BE USED UNLESS OTHERWISE NOTED.
BUILDING CODE: 2003 IBC WITH 2005 CT SUPPLEMENT & 2009 CT AMENDMENTS
ELECTRICAL CODE: REFER TO ELECTRICAL DRAWINGS
LIGHTNING CODE: REFER TO ELECTRICAL DRAWINGS
SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS:
AMERICAN CONCRETE INSTITUTE (ACI) 318: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE;
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
MANUAL OF STEEL CONSTRUCTION, ASD, NINTH EDITION;
TELECOMMUNICATIONS INDUSTRY ASSOCIATION (TIA) 222-F,
STRUCTURAL STANDARDS FOR STEEL
ANTENNA TOWER AND ANTENNA SUPPORTING STRUCTURES; REFER TO ELECTRICAL DRAWINGS FOR SPECIFIC ELECTRICAL STANDARDS.
FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT ALL A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

ABBREVIATIONS

ACL	ABOVE GRADE LEVEL	G.C.	GENERAL CONTRACTOR	RF	RADIO FREQUENCY
AWG	AMERICAN WIRE GAUGE	MGB	MASTER GROUND BUS	TBD	TO BE DETERMINED
BCW	BARE COPPER WIRE	MIN	MINIMUM	TBR	TO BE REMOVED
BTS	BASE TRANSCIVER STATION	PROPOSED / NEW		TBRR	TO BE REMOVED AND REPLACED
EG	EQUIPMENT GROUND	N.T.S.	NOT TO SCALE	TYP	TYPICAL
EGR	EQUIPMENT GROUND RING	REF. TO ELECTRICAL DRAWINGS			

NO.	DATE	REVISIONS	DESIGNED BY: DC	DRAWN BY: DB	SCALE: AS SHOWN
1	03/29/11	ISSUED FOR CONSTRUCTION			
0	10/17/11	ISSUED FOR REVIEW			

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500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06867

SITE NUMBER: CT2252
SITE NAME: BRIDGEPORT- CONNECTICUT AVENUE
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607
FAIRFIELD COUNTY



22 KEEWAYDIN DRIVE
SALEM, NH 03079

RE: P&E 22-553
BRIDGEPORT NORTH LITE #10
N. ANDOVER, MA 01868

NO.	DATE	REVISIONS	DESIGNED BY: DC	DRAWN BY: DB	SCALE: AS SHOWN
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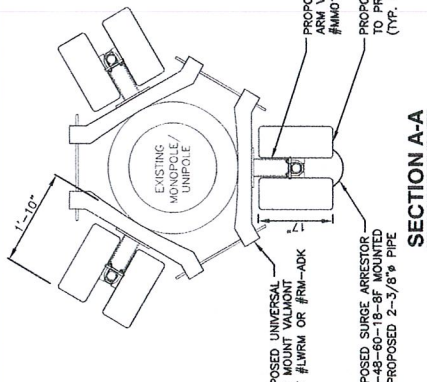
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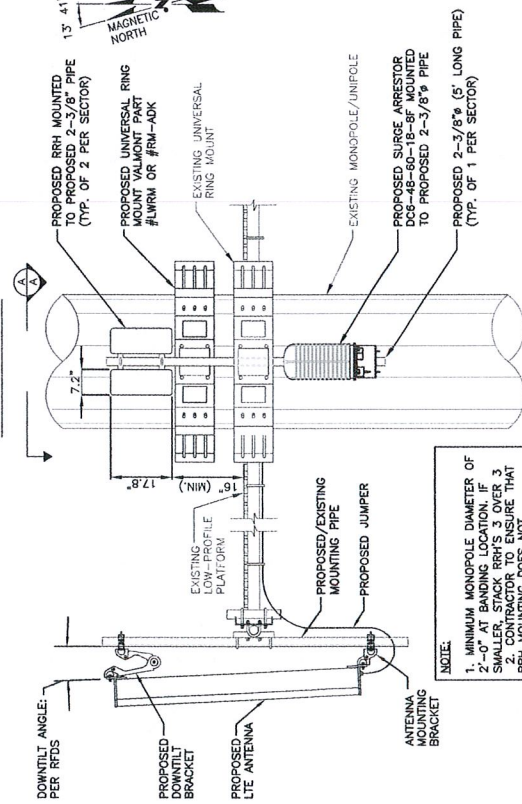
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NOTE:
AN ANALYSIS FOR THE CAPACITY OF THE MONOPOLE SHALL BE PERFORMED TO SUPPORT THE PROPOSED EQUIPMENT SHALL BE DETERMINED PRIOR TO CONSTRUCTION.

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



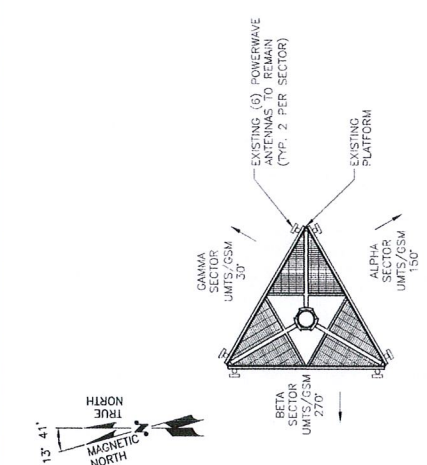
SECTION A-A



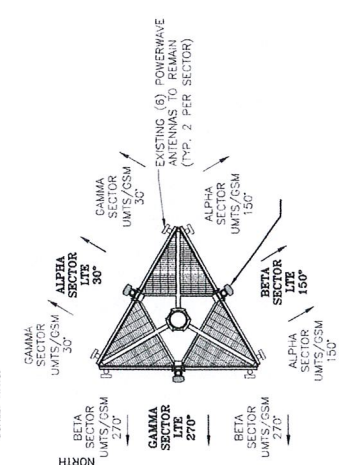
PROPOSED RRH & SURGE ARRESTOR MOUNTING DETAIL
SCALE: N.T.S.

NOTE:
1. UNIVERSAL MONOPOLE DIAMETER OF 12" AT BANK LOCATION IF SMALLER STACK RRH'S 3 OVER THAT RRH MOUNTING DOES NOT INTERFERE WITH CLIMBING LADDER

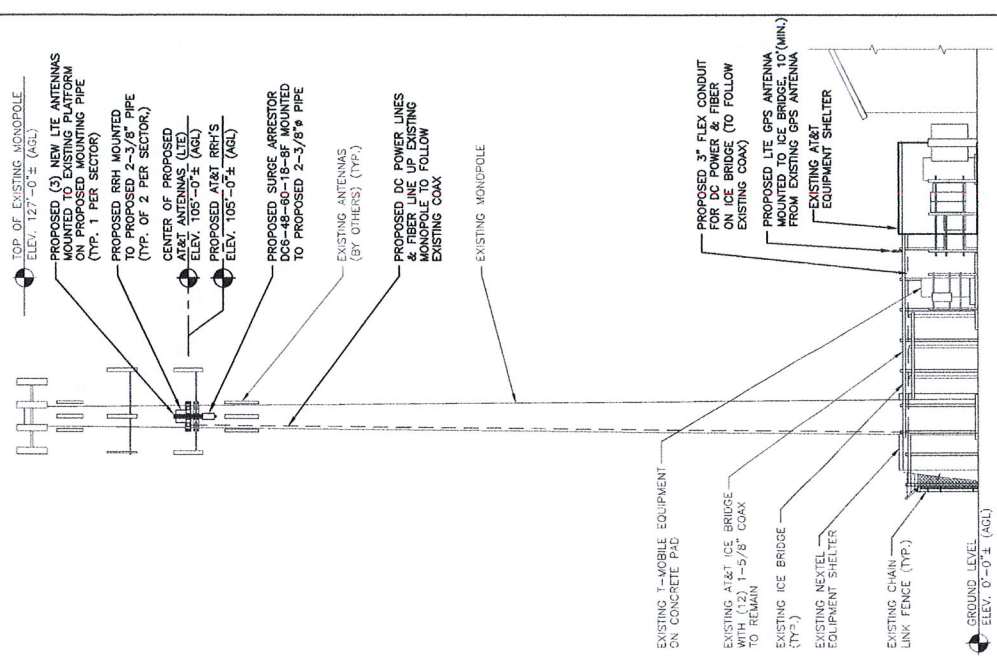
PART #	VMI PART #	SIZE RANGE
LWRM	801068	12"-45"
RM-ADK	157286	36"-60" ADAPTER KIT



EXISTING GSM/UMTS ANTENNA PLAN
SCALE: N.T.S.



PROPOSED LTE ANTENNA PLAN
SCALE: N.T.S.



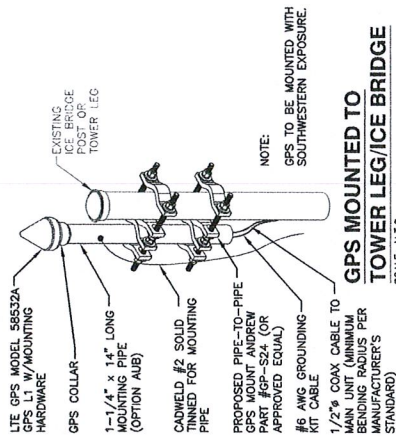
EAST ELEVATION
SCALE: 1/8"=1'-0"
0 4'-0" 8'-0" 16'-0" 24'-0"

500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06867

SITE NUMBER: CT2252
SITE NAME: BRIDGEPORT-CONNECTICUT AVENUE
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607
FAIRFIELD COUNTY

1800 GONDOLINI STREET
N. ANDOVER, MA 01462
TEL: (978) 552-5553
FAX: (978) 552-5556

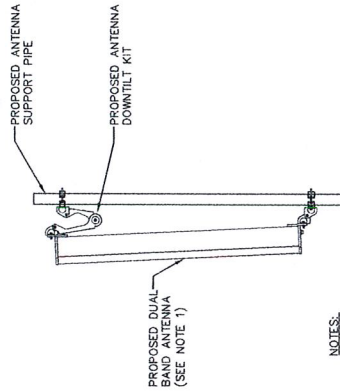
AT&T
ANTENNA LAYOUT AND ELEVATION (LIE)
DATE: 03/28/11 ISSUED FOR CONSTRUCTION
BY: DC (PWT)
DATE: 02/17/11 ISSUED FOR REVIEW
BY: DB (PWT)
DATE: 02/17/11
SCALE: AS SHOWN
DESIGNED BY: DC
DOWN BY: DB
DRAWING NUMBER: 2252.01
REV: A-2



GPS MOUNTED TO TOWER LEG/ICE BRIDGE

SCALE: N.T.S.

NOTE:
GPS TO BE MOUNTED WITH SOUTHWESTERN EXPOSURE.



NOTES:

1. REFER TO RFDS & SECTOR SCHEMATICS FOR ANTENNA MODEL, TYPE & QUANTITY REQUIRED PER SECTOR

PROPOSED ANTENNA DETAIL

SCALE: N.T.S.

Hudson Design Group
1800 CINCINNATI STREET, SUITE 5101
MILFORD, MA 01854
TEL: 978.453.6500
FAX: 978.228.5500

SIAI Communications

22 KERNYARDIN DRIVE
SALMA, NH 03078

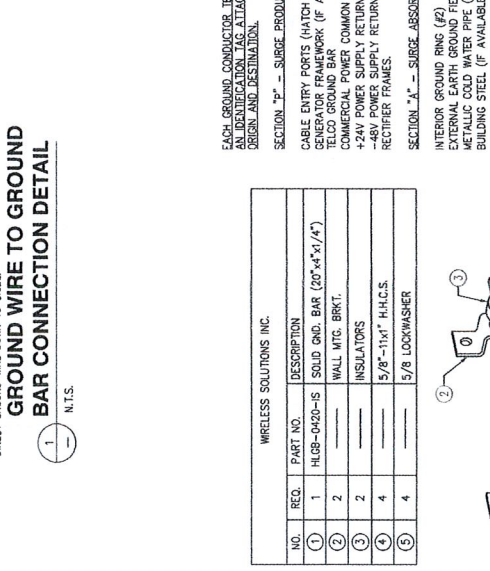
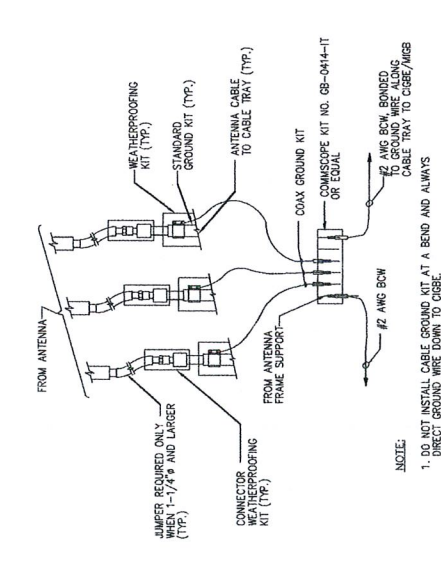
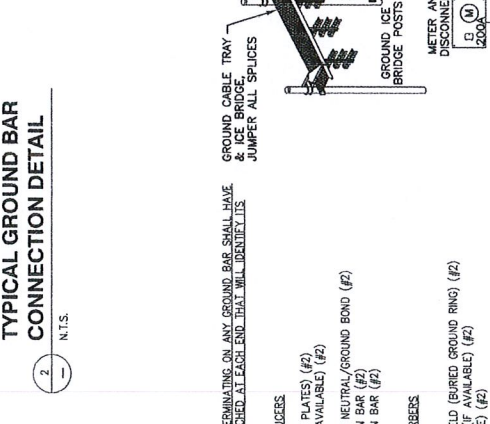
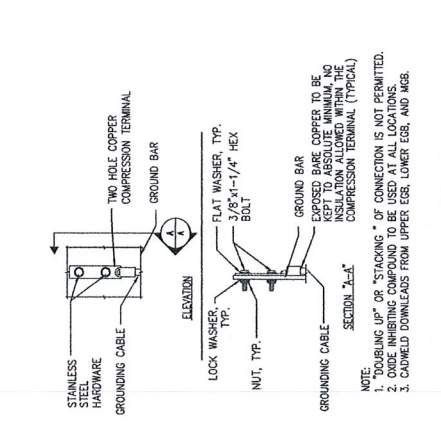
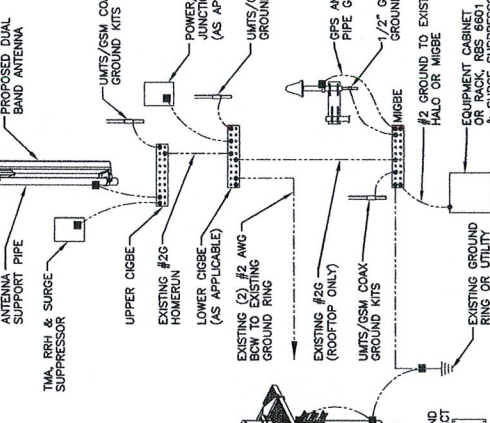
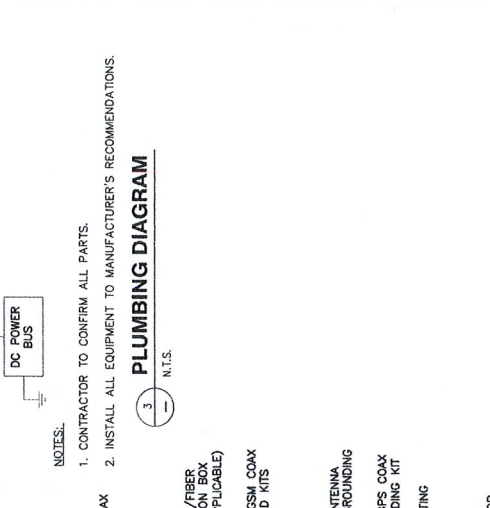
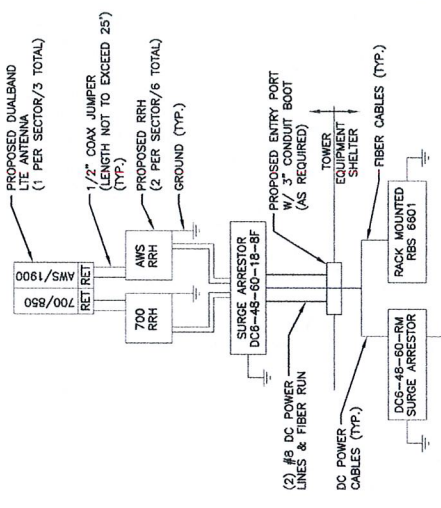
SITE NUMBER: CT2252
SITE NAME: BRIDGEPORT-CONNECTICUT AVENUE
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607
FAIRFIELD COUNTY

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

at&t
AT&T
DETAILS (L1E)
JOB NUMBER: 2252.01
DRAWING NUMBER: A-3
REV: 1

NO.	DATE	REVISIONS	DESIGNED BY:	SCALE:
1	03/29/11	ISSUED FOR CONSTRUCTION	DC	AS SHOWN
0	02/17/11	ISSUED FOR REVIEW	DB	

BY: CHK: PPD
DRAWN BY: DB



NO.	DATE	REVISIONS	DESIGNED BY: DC	DRAWN BY: DB
1	03/25/11	ISSUED FOR CONSTRUCTION	DC	DB
0	02/17/11	ISSUED FOR REVIEW	DB	DB

SCALE: AS SHOWN

NO.	DATE	REVISIONS	DESIGNED BY: DC	DRAWN BY: DB
1	03/25/11	ISSUED FOR CONSTRUCTION	DC	DB
0	02/17/11	ISSUED FOR REVIEW	DB	DB

SCALE: AS SHOWN

NO.	DATE	REVISIONS	DESIGNED BY: DC	DRAWN BY: DB
1	03/25/11	ISSUED FOR CONSTRUCTION	DC	DB
0	02/17/11	ISSUED FOR REVIEW	DB	DB

SCALE: AS SHOWN

NO.	DATE	REVISIONS	DESIGNED BY: DC	DRAWN BY: DB
1	03/25/11	ISSUED FOR CONSTRUCTION	DC	DB
0	02/17/11	ISSUED FOR REVIEW	DB	DB

SCALE: AS SHOWN

at&t
500 ENTERPRISE DRIVE, SUITE 3A
ROCKY HILL, CT 06867

WIRELESS SOLUTIONS INC.

NO.	REQ.	PART NO.	DESCRIPTION
1	1	HLGS-D420-S	SOLID GND. BAR (20" x 4" x 1/4")
2	2	---	WALL MTC. BRKT.
3	2	---	INSULATORS
4	4	---	5/8" - 1 1/4" H.C.S.
5	4	---	5/8" LOCKWASHER

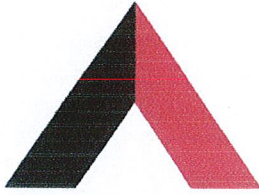
Hudson Design Group
180 OGDON STREET, SUITE 210
N. ANDOVER, MA 01468
TEL: 978-949-5433
FAX: 978-949-5878

SIAD communications

**22 KEAWAYDIN DRIVE
SALEM, NH 03079**

SITE NUMBER: CT2252
SITE NAME: BRIDGEPORT-CONNECTICUT AVENUE
1069 CONNECTICUT AVENUE
BRIDGEPORT, CT 06607
PAINTFIELD, CONNECTICUT

PLUMBING DIAGRAM & DETAILS (LIE)
DRAWING NUMBER: 2252.01
G-1



PASSED

AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 126 ft EEI Monopole
ATC Site Name : Bridgeport CT 2, CT
ATC Site Number : 302469
Proposed Carrier : AT&T Mobility
Carrier Site Name : Bridgeport Connecticut Ave
Carrier Site Number : 10084453/CT2252
County : Fairfield
Eng. Number : 46846022
Date : April 5, 2011
Usage : 82% Pole Shaft, 85% Anchor Bolt, and
67% Base Plate (approx.)

Submitted by:
Jyoti Ojha
Design Engineer

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



Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 126 ft EEI Monopole located at Bridgeport CT 2, CT, Fairfield County (ATC site # 302469). The tower was originally designed and manufactured by EEI (Drawing # 5543 dated October 13, 1999).

The modifications on the existing structure as recommended in the previous ATC Project # 41045932, dated: 11/02/2007 were considered in the current analysis.

Analysis

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

Basic Wind Speed: 110 mph (3-Second Gust)
 Radial Ice: 50 mph (3-Second Gust) w/ 3/4" ice
 Standard/Code: ANSI/TIA-222-G / 2003 IBC / 2005 & 2009 CT Supplement

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax (I/O)	Carrier
129.0	3	72"x12" Panels	Platform with Handrails	(12) 1 5/8(I)	Sprint Nextel
	9	48"x12" Panels			
125.0	1	Dragonwave A-ANT-23G-1-C	Clearwire Mount	(3) 1/2 (I) (2) 2" conduit (I)	Clearwire Corporation
	2	DragonWave Horizon Compact			
	3	Argus LLPX310R			
	1	Dragonwave A-ANT-18G-2-C			
	3	NextNet BTS-2500			
119.0	3	RFS APX16DWV-16DWVS-E-A20	Low Profile Platform	(12) 1 5/8(I) (6) 1 5/8 (O)	T-Mobile
	6	Ericsson KRY 112 71			
	3	Andrew ETW200VS12UB			
	3	RFS APX16PV-16PVL-E			
98.0	3	RCU	Flush Mounts	(6) 1 5/8 (O) (1) 3/8 (O)	Metro PCS
	3	Kathrein 800 10504			
80.0	1	BCD-87010	(1) Side Arm	(1) 7/8 (I)	USA Mobility

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax (I/O)	Carrier
104.0	6	Powerwave RA21.7770.00	Low Profile Platform	(12) 1 5/8 (O) (2) 8AWG 7 (O) (1) 3/8 (O) (1) RG6 (O)	AT&T Mobility
	3	KMW AM-X-CD-14-65-00T-RET			
	1	Raycap DC6-48-60-18-8F			
	12	Powerwave LGP21401			
	6	Ericsson RRUS 11(Band 12)			

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

The existing and the proposed transmission lines were considered running inside or outside the pole shaft as indicated above. If the proposed lines are installed outside the pole, these lines shall be strapped tightly to the face of the pole shaft. Stacking lines are not allowed.

Results

The existing 126 ft EEI Monopole with the existing and the proposed antennas is structurally acceptable per ANSI/TIA-222 Rev G standards. The maximum structure usage is: 82% pole shaft, 85% Anchor Bolts, and 67% Base Plate (approx.)

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

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

Pole Reactions	Original Design Reactions	Current Analysis Reactions	% Of Design
Moment (ft-kips)	2,049.10	2,841.16	102.7*
Shear (kips)	20.70	34.06	121.9*

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

The structure base reactions resulting from the current analysis slightly (less than 5%) exceed the ones shown on the original structural drawings or calculations. Therefore, assuming the original foundation was designed correctly, the existing foundation should be adequate to support the new reactions. Therefore, no modification to the existing foundation will be required.

Conclusion

The existing monopole and its foundation were found to be adequate to support the existing and proposed antennas with the transmission lines distribution as described above while meeting the requirements of the code or standard as specified in this report. If you have any questions or require additional information, please call (972) 999-8900.

Standard Conditions

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

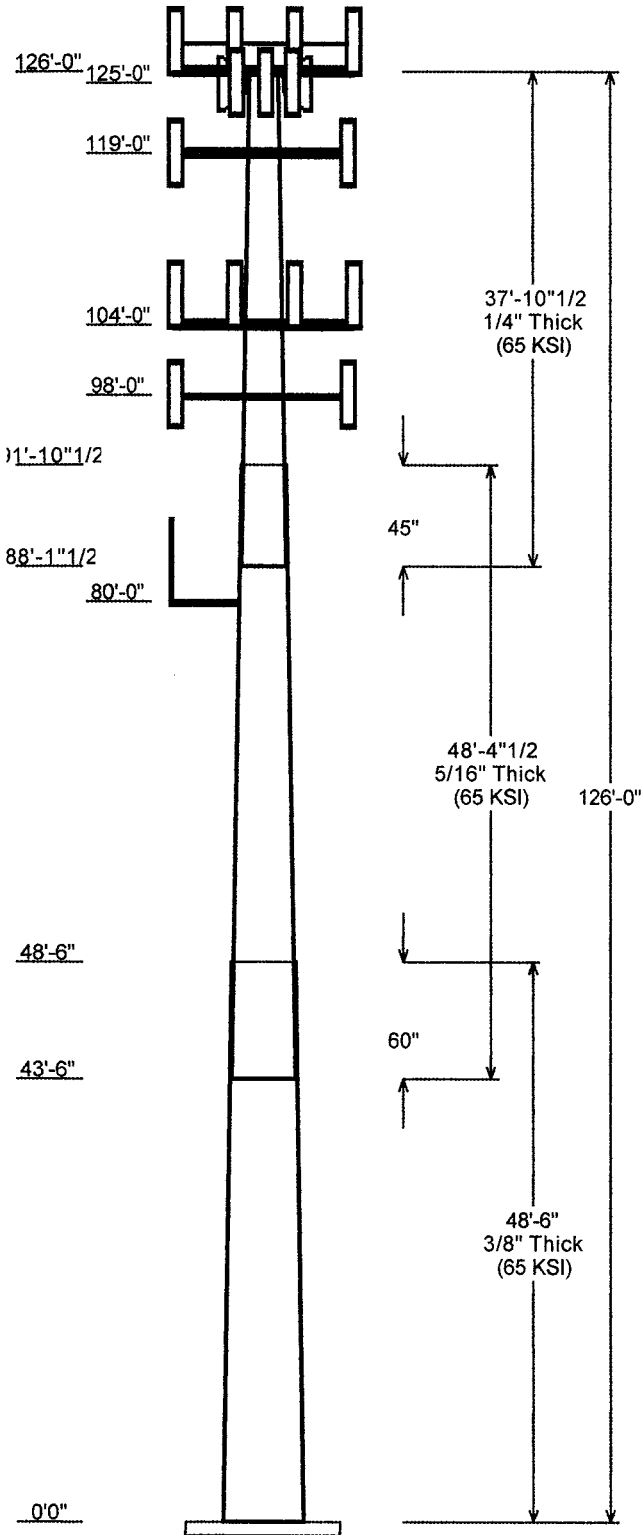
- Information supplied by the client regarding the structure itself, the antenna and feed line loading on the structure and its components, or other relevant information.

- Information from drawings in the possession of American Tower Corporation, or generated by field inspections or measurements of the structure.

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

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

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



Job Information			
Pole :	302469	Code:	ANSI/TIA-222 Rev G
Description :	Monopole	Struct Class :	II
Client :	AT&T Mobility	Exposure :	B
Location :	Bridgeport CT 2, CT	Topo :	1
Shape :	18 Sides	Base Elev (ft):	0.00
Height :	126.00 (ft)	Taper:	0.235121(in/ft)

Sections Properties								
Shaft Section	Length (ft)	Diameter (in)		Thick Joint (in)	Type	Overlap		Steel Grade (ksi)
		Across Top	Across Bottom			Length (in)	Taper (in/ft)	
1	48.500	34.09	45.50	0.375		0.000	0.235121	65
2	48.375	24.52	35.89	0.313	Slip Joint	60.000	0.235121	65
3	37.875	17.00	25.90	0.250	Slip Joint	45.000	0.235121	65

Discrete Appurtenance				
Attach Elev (ft)	Force Elev (ft)	Qty	Description	
126.000	131.000	3	72"x12" Panels	
126.000	131.000	9	48"x12" Panels	
126.000	131.000	1	Platform with Handrails	
125.000	125.000	1	Dragonwave A-ANT-23G-1-C	
125.000	125.000	1	Clearwire Mount	
125.000	125.000	2	DragonWave Horizon Compact	
125.000	125.000	3	Argus LLPX310R	
125.000	125.000	1	Dragonwave A-ANT-18G-12-C	
125.000	125.000	3	NextNet BTS-2500	
119.000	119.000	3	RFS APX16DWV-16DWVS-E-A20	
119.000	119.000	6	Ericsson KRY 112 71	
119.000	119.000	3	Andrew ETW200VS12UB	
119.000	119.000	3	RFS APX16PV-16PVL-E	
119.000	119.000	1	Low Profile Platform	
104.000	106.000	6	Powerwave RA21.7770.00	
104.000	106.000	3	KMW AM-X-CD-14-65-00T-RET	
104.000	106.000	1	Raycap DC6-48-60-18-8F	
104.000	106.000	12	Powerwave LGP21401	
104.000	106.000	6	Ericsson RRUS 11	
104.000	104.000	1	Low Profile Platform	
98.000	98.000	3	RCU	
98.000	98.000	3	Kathrein 800 10504	
98.000	98.000	3	Flush Mounts	
80.000	85.500	1	BCD-87010	
80.000	80.000	1	Pipe Mount	

Linear Appurtenance			
Elev (ft)	From To		Exposed To Wind
	From	To	
0.000	80.000	7/8" Coax	No
0.000	98.000	1 5/8" Coax	Yes
0.000	98.000	3/8" Coax	Yes
0.000	104.0	1 5/8" Coax	Yes
0.000	104.0	3/8" Coax	Yes
0.000	104.0	8AWG7	Yes
0.000	104.0	RG6	Yes
0.000	119.0	1 5/8" Coax	No
0.000	119.0	1 5/8" Coax	Yes
0.000	125.0	1/2" Coax	No
0.000	125.0	2" Conduit	No
0.000	126.0	1 5/8" Coax	No

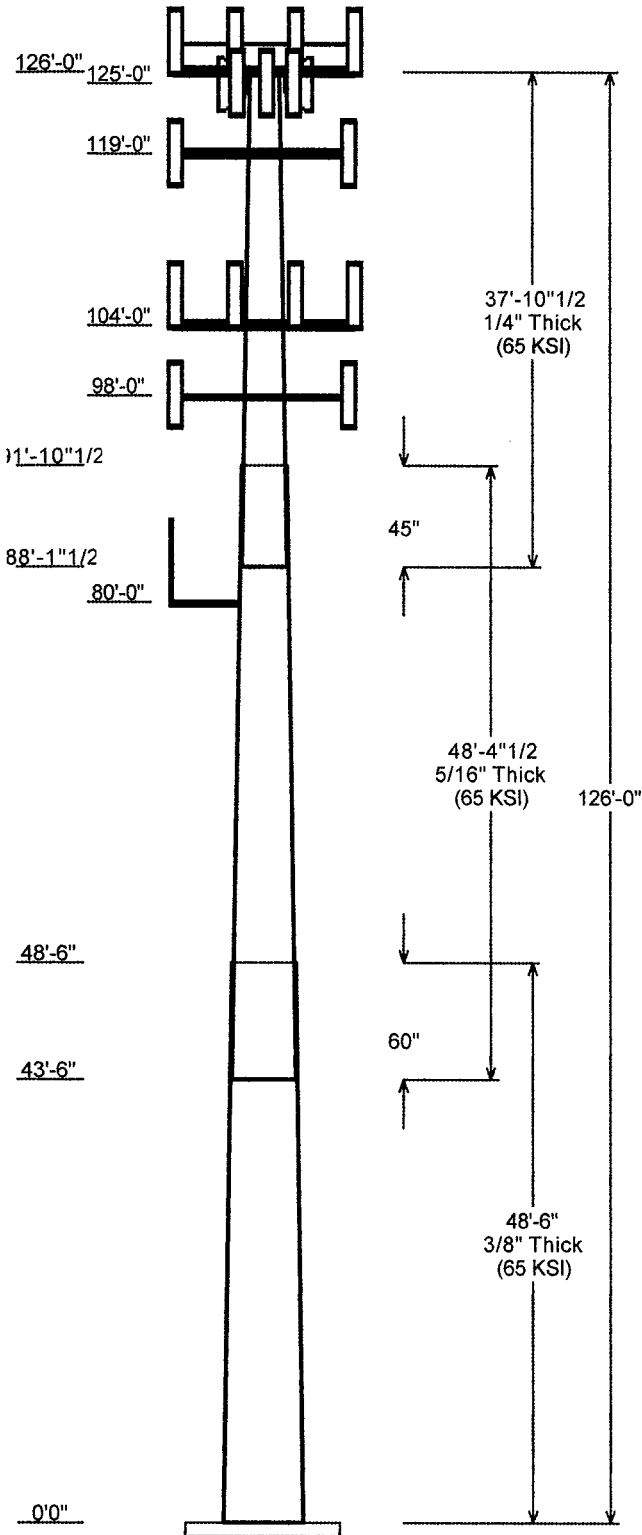
Load Cases	
1.2D + 1.6W	110.00 mph with No Ice

0.9D + 1.6W
 1.2D + 1.0Di + 1.0Wi
 1.0D + 1.0W

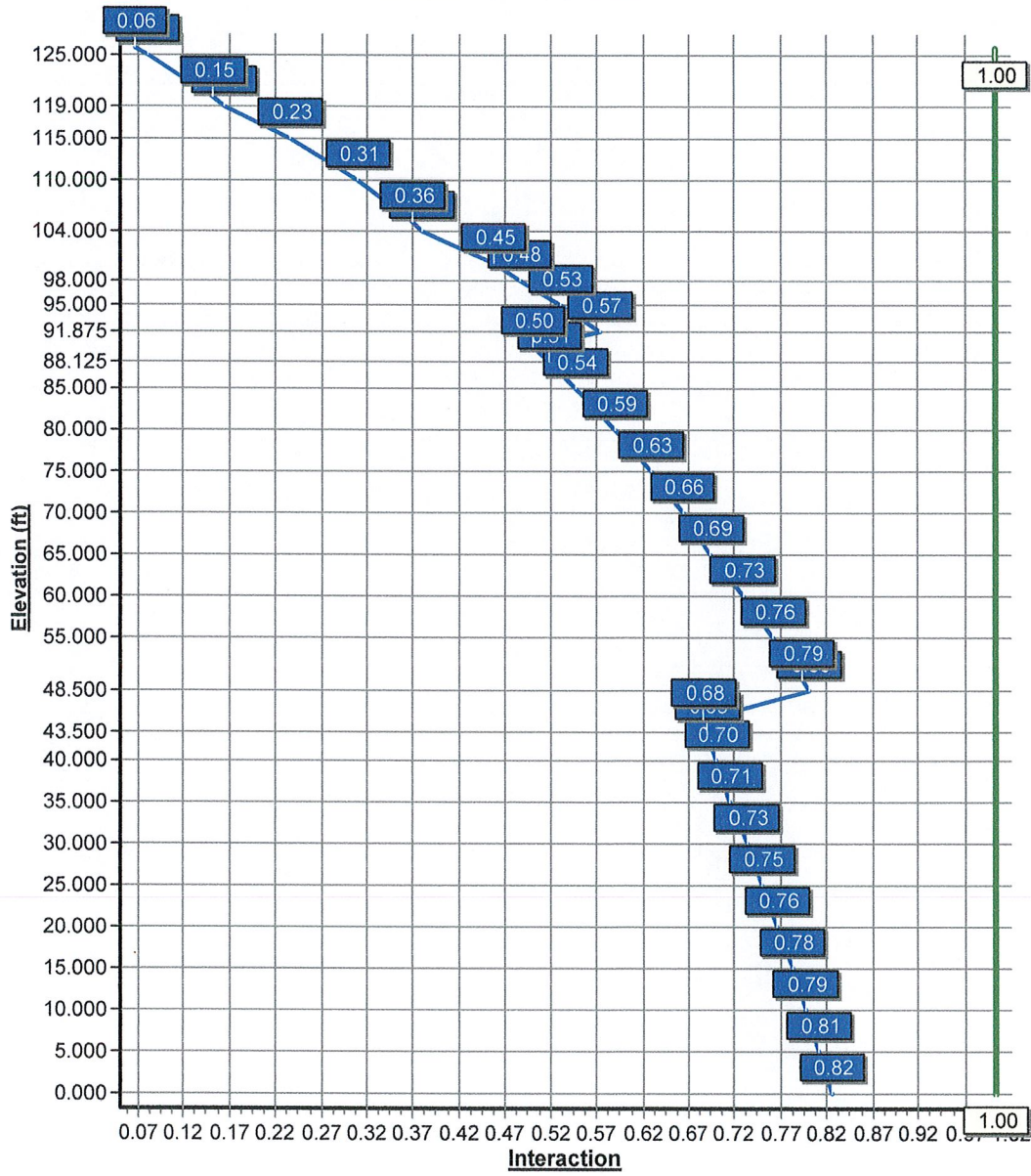
110.00 mph with No Ice (Reduced DL)
 50.00 mph with 0.75 in Radial Ice
 60.00 mph Serviceability

Reactions			
Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W	2841.16	34.06	33.26
0.9D + 1.6W	2810.28	34.04	24.93
1.2D + 1.0Di + 1.0Wi	572.01	6.62	59.07
1.0D + 1.0W	526.92	6.35	27.79

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	125.00	19.206	1.399
1.0D + 1.0W	125.00	19.206	1.399



Load Case : 1.2D + 1.6W
Max Ratio 82.22% at 0.0ft

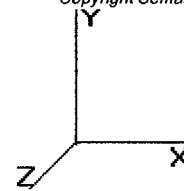


Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)

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 4/5/2011 3:52:31 PM
 Page: 1



Shaft Section Properties

Sect Num	Length (ft)	Thick (in)	Fv (ksi)	Joint Type	Slip		Bottom						Top						
					Joint Len (in)	Weight (lb)	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	Wt Ratio	D/t Ratio	Dia (in)	Elev (ft)	Area (sqin)	Ix (in^4)	Wt Ratio	D/t Ratio	Taper (in/ft)
1	48.500	0.3750	65		0.00	7,744	45.50	0.000	53.71	13817.4	19.98	121.3	34.09	48.50	40.14	5766.3	14.62	90.92	0.23512
2	48.375	0.3125	65	Slip Joint	60.00	4,881	35.89	43.50	35.29	5646.6	18.84	114.8	24.52	91.87	24.01	1778.4	12.43	78.47	0.23512
3	37.875	0.2500	65	Slip Joint	45.00	2,168	25.90	88.12	20.36	1692.8	16.86	103.6	17.00	126.0	13.29	471.1	10.58	68.00	0.23512
Shaft Weight						14,793													

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Weight (lb)	No Ice CaAa (sf)	CaAa Factor	Weight (lb)	Ice CaAa (sf)	CaAa Factor	Distance From Face (ft)	Vert Ecc (ft)
126.0	72"x12" Panels	3	45.00	8.400	0.75	232.69	9.405	0.75	0.000	5.000
126.0	48"x12" Panels	9	30.00	5.600	0.75	160.52	6.034	0.75	0.000	5.000
126.0	Platform with Handrails	1	2000.00	33.750	1.00	3399.47	50.189	1.00	0.000	5.000
125.0	Dragonwave A-ANT-23G-1-C	1	15.00	1.610	1.00	52.25	2.355	1.00	0.000	0.000
125.0	Clearwire Mount	1	40.00	8.500	1.00	72.90	15.492	1.00	0.000	0.000
125.0	DragonWave Horizon Compact	2	10.60	0.430	1.00	40.10	0.655	1.00	0.000	0.000
125.0	Argus LLPX310R	3	28.60	4.830	0.70	134.04	5.172	0.70	0.000	0.000
125.0	Dragonwave A-ANT-18G-12-C	1	27.10	4.690	1.00	111.10	5.944	1.00	0.000	0.000
125.0	NextNet BTS-2500	3	35.00	2.120	0.73	90.79	2.351	0.73	0.000	0.000
119.0	RFS APX16DWV-16DWVS-E-	3	40.70	7.220	0.75	175.17	7.683	0.75	0.000	0.000
119.0	Ericsson KRY 112 71	6	13.20	0.680	0.67	37.30	0.943	0.67	0.000	0.000
119.0	Andrew ETW200VS12UB	3	11.00	0.470	0.67	28.70	0.693	0.67	0.000	0.000
119.0	RFS APX16PV-16PVL-E	3	39.60	6.647	0.75	165.05	7.084	0.75	0.000	0.000
119.0	Low Profile Platform	1	1500.00	20.000	1.00	2134.36	37.325	1.00	0.000	0.000
104.0	Powerwave RA21.7770.00	6	37.20	6.790	0.75	184.35	7.643	0.75	0.000	2.000
104.0	KMW AM-X-CD-14-65-00T-RET	3	36.40	5.500	0.76	161.98	5.937	0.76	0.000	2.000
104.0	Ravcap DC6-48-60-18-8F	1	31.80	1.470	1.00	120.69	2.828	1.00	0.000	2.000
104.0	Powerwave LGP21401	12	14.10	1.290	0.67	46.09	1.545	0.67	0.000	2.000
104.0	Ericsson RRUS 11	6	50.00	2.990	0.75	127.89	3.195	0.75	0.000	2.000
104.0	Low Profile Platform	1	1500.00	20.000	1.00	2125.87	37.093	1.00	0.000	0.000
98.00	RCU	3	1.00	0.160	1.00	10.47	0.350	1.00	0.000	0.000
98.00	Kathrein 800 10504	3	17.60	3.350	0.75	94.88	4.257	0.75	0.000	0.000
98.00	Flush Mounts	3	60.00	2.000	0.75	160.35	4.007	0.75	0.000	0.000
80.00	BCD-87010	1	26.50	2.900	1.00	150.77	6.514	1.00	0.000	5.500
80.00	Pipe Mount	1	150.00	5.200	1.00	218.83	7.757	1.00	0.000	0.000
Totals		80	7297.90			9752.82			Number of Loadings :	25

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	126.00	(12) 1 5/8" Coax	0.00	N
0.00	125.00	(3) 1/2" Coax	0.00	N
0.00	125.00	(2) 2" Conduit	0.00	N
0.00	119.00	(12) 1 5/8" Coax	0.00	N
0.00	119.00	(6) 1 5/8" Coax	1.96	Y
0.00	104.00	(12) 1 5/8" Coax	3.96	Y
0.00	104.00	(1) 3/8" Coax	0.44	Y
0.00	104.00	(2) 8AWG7	1.98	Y

Pole : 302469
Location : Bridgeport CT 2, CT
Height : 126.0 (ft)
Shape : 18 Sides
Base Dia : 45.50 (in)
Top Dia : 17.00 (in)
Taper : 0.235121 (in/ft)

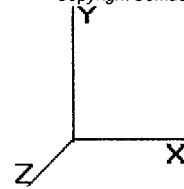
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1

Base Elev : 0.000 (ft)

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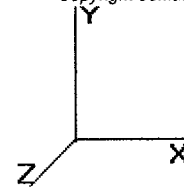
Page: 2



0.00	104.00	(1) RG6	0.28	Y
0.00	98.00	(6) 1 5/8" Coax	1.98	Y
0.00	98.00	(3) 3/8" Coax	0.44	Y
0.00	80.00	(1) 7/8" Coax	0.00	N

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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



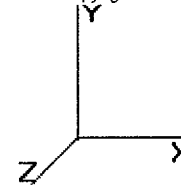
Segment Properties (Max Len : 5 ft)

Seg Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fy (ksi)	S (in3)	Weight (lb)
0.00		0.3750	45.500	53.708	13,817.4	19.98	121.33	77.9	598.1	0.0
5.00		0.3750	44.324	52.309	12,765.4	19.43	118.20	78.5	567.2	901.9
10.00		0.3750	43.149	50.910	11,768.2	18.88	115.06	79.2	537.2	878.1
15.00		0.3750	41.973	49.510	10,824.3	18.33	111.93	79.8	507.9	854.3
20.00		0.3750	40.798	48.111	9,932.2	17.77	108.79	80.5	479.5	830.5
25.00		0.3750	39.622	46.712	9,090.6	17.22	105.66	81.1	451.9	806.7
30.00		0.3750	38.446	45.313	8,297.9	16.67	102.52	81.8	425.1	782.9
35.00		0.3750	37.271	43.914	7,552.7	16.11	99.39	82.4	399.1	759.0
40.00		0.3750	36.095	42.514	6,853.5	15.56	96.25	82.6	374.0	735.2
43.50	Bot - Section 2	0.3750	35.272	41.535	6,390.7	15.17	94.06	82.6	356.9	500.5
45.00		0.3750	34.920	41.115	6,198.9	15.01	93.12	82.6	349.6	390.2
48.50	Top - Section 1	0.3125	34.722	34.128	5,105.2	18.18	111.11	80.0	289.6	895.2
50.00		0.3125	34.369	33.779	4,949.8	17.98	109.98	80.3	283.7	173.3
55.00		0.3125	33.193	32.612	4,454.7	17.32	106.22	81.0	264.3	564.8
60.00		0.3125	32.018	31.446	3,993.8	16.66	102.46	81.8	245.7	544.9
65.00		0.3125	30.842	30.280	3,565.8	15.99	98.69	82.6	227.7	525.1
70.00		0.3125	29.667	29.114	3,169.5	15.33	94.93	82.6	210.4	505.3
75.00		0.3125	28.491	27.948	2,803.8	14.67	91.17	82.6	193.8	485.4
80.00		0.3125	27.315	26.782	2,467.3	14.00	87.41	82.6	177.9	465.6
85.00		0.3125	26.140	25.616	2,158.9	13.34	83.65	82.6	162.7	445.8
88.13	Bot - Section 3	0.3125	25.405	24.888	1,979.8	12.92	81.30	82.6	153.5	268.5
90.00		0.3125	24.964	24.450	1,877.3	12.68	79.89	82.6	148.1	286.2
91.88	Top - Section 2	0.2500	25.023	19.657	1,524.2	16.24	100.09	82.3	120.0	281.1
95.00		0.2500	24.288	19.074	1,392.5	15.72	97.15	82.6	112.9	205.9
98.00		0.2500	23.583	18.514	1,273.5	15.22	94.33	82.6	106.4	191.9
100.0		0.2500	23.113	18.141	1,198.1	14.89	92.45	82.6	102.1	124.7
104.0		0.2500	22.172	17.395	1,056.2	14.23	88.69	82.6	93.8	241.8
105.0		0.2500	21.937	17.208	1,022.6	14.06	87.75	82.6	91.8	58.9
110.0		0.2500	20.762	16.275	865.1	13.23	83.05	82.6	82.1	284.8
115.0		0.2500	19.586	15.343	724.7	12.40	78.34	82.6	72.9	269.0
119.0		0.2500	18.646	14.596	624.1	11.74	74.58	82.6	65.9	203.8
120.0		0.2500	18.410	14.410	600.4	11.57	73.64	82.6	64.2	49.4
125.0		0.2500	17.235	13.477	491.2	10.75	68.94	82.6	56.1	237.2
126.0		0.2500	17.000	13.290	471.1	10.58	68.00	82.6	54.6	45.5
										14,793.2

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W	110.00 mph with No Ice	24 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

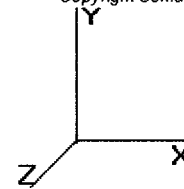
Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	20.599	22.65	354.34	0.650	0.00	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	20.599	22.65	345.18	1.200 *	0.00	5.00	19.002	22.80	826.7	0.0	1,082.3
10.00		1.00	0.70	20.599	22.65	336.03	1.200 *	0.00	5.00	18.505	22.21	805.1	0.0	1,053.7
15.00		1.00	0.70	20.599	22.65	326.87	1.200 *	0.00	5.00	18.007	21.61	783.4	0.0	1,025.1
20.00		1.00	0.70	20.599	22.65	317.71	1.200 *	0.00	5.00	17.510	21.01	761.8	0.0	996.6
25.00		1.00	0.70	20.599	22.65	308.56	1.200 *	0.00	5.00	17.013	20.42	740.1	0.0	968.0
30.00		1.00	0.70	20.616	22.67	299.53	1.200 *	0.00	5.00	16.515	19.82	719.1	0.0	939.4
35.00		1.00	0.73	21.545	23.69	296.84	1.200 *	0.00	5.00	16.018	19.22	728.8	0.0	910.9
40.00		1.00	0.76	22.383	24.62	293.01	1.200 *	0.00	5.00	15.520	18.62	733.7	0.0	882.3
43.50	Bot - Section 2	1.00	0.77	22.925	25.21	289.78	1.200 *	0.00	3.50	10.568	12.68	511.7	0.0	600.6
45.00		1.00	0.78	23.149	25.46	288.28	1.200 *	0.00	1.50	4.534	5.44	221.7	0.0	468.2
48.50	Top - Section 1	1.00	0.80	23.649	26.01	284.51	1.200 *	0.00	3.50	10.405	12.49	519.7	0.0	1,074.2
50.00		1.00	0.81	23.856	26.24	288.03	1.200 *	0.00	1.50	4.385	5.26	220.9	0.0	208.0
55.00		1.00	0.83	24.515	26.96	282.00	1.200 *	0.00	5.00	14.293	17.15	740.0	0.0	677.7
60.00		1.00	0.85	25.132	27.64	275.41	1.200 *	0.00	5.00	13.795	16.55	732.2	0.0	653.9
65.00		1.00	0.87	25.713	28.28	268.35	1.200 *	0.00	5.00	13.298	15.96	722.2	0.0	630.1
70.00		1.00	0.89	26.263	28.89	260.87	1.200 *	0.00	5.00	12.800	15.36	710.0	0.0	606.3
75.00		1.00	0.91	26.786	29.46	253.01	1.200 *	0.00	5.00	12.303	14.76	696.0	0.0	582.5
80.00	Appertunance(s)	1.00	0.92	27.285	30.01	244.82	1.200 *	0.00	5.00	11.806	14.17	680.3	0.0	558.7
85.00		1.00	0.94	27.761	30.53	236.32	1.200 *	0.00	5.00	11.308	13.57	663.0	0.0	534.9
88.13	Bot - Section 3	1.00	0.95	28.049	30.85	230.86	1.200 *	0.00	3.13	6.815	8.18	403.7	0.0	322.2
90.00		1.00	0.95	28.219	31.04	227.54	1.200 *	0.00	1.88	4.075	4.89	242.9	0.0	343.4
91.88	Top - Section 2	1.00	0.96	28.385	31.22	224.18	1.200 *	0.00	1.88	4.005	4.81	240.1	0.0	337.4
95.00		1.00	0.97	28.658	31.52	223.10	1.200 *	0.00	3.13	6.520	7.82	394.6	0.0	247.1
98.00	Appertunance(s)	1.00	0.98	28.913	31.80	217.58	1.200 *	0.00	3.00	6.076	7.29	371.0	0.0	230.2
100.0		1.00	0.98	29.081	31.98	213.86	1.200 *	0.00	2.00	3.951	4.74	242.7	0.0	149.7
104.0	Appertunance(s)	1.00	0.99	29.409	32.34	206.31	1.200 *	0.00	4.00	7.664	9.20	476.0	0.0	290.2
105.0		1.00	1.00	29.489	32.43	204.40	0.650	0.00	1.00	1.866	1.21	63.0	0.0	70.6
110.0		1.00	1.01	29.884	32.87	194.74	0.650	0.00	5.00	9.033	5.87	308.8	0.0	341.8
115.0		1.00	1.02	30.266	33.29	184.88	0.650	0.00	5.00	8.535	5.55	295.5	0.0	322.8
119.0	Appertunance(s)	1.00	1.03	30.563	33.61	176.87	0.652 *	0.00	4.00	6.470	4.22	226.9	0.0	244.5
120.0		1.00	1.04	30.636	33.69	174.85	0.650	0.00	1.00	1.568	1.02	54.9	0.0	59.2
125.0	Appertunance(s)	1.00	1.05	30.995	34.09	164.64	0.650	0.00	5.00	7.541	4.90	267.4	0.0	284.7
126.0	Appertunance(s)	1.00	1.05	31.066	34.17	162.58	0.650	0.00	1.00	1.448	0.94	51.5	0.0	54.7
* = Cf Adjusted By Linear Load Ra Effect								Totals:	126.00			16,155.5	0.0	17,751.9

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W

110.00 mph with No Ice

24 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

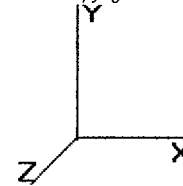
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
80.00	BCD-87010	1	27.808	30.589	1.00	1.00	2.90	0.000	5.500	141.93	0.00	780.63	31.80
80.00	Pipe Mount	1	27.285	30.013	1.00	1.00	5.20	0.000	0.000	249.71	0.00	0.00	180.00
98.00	RCU	3	28.913	31.805	0.80	0.80	0.38	0.000	0.000	19.54	0.00	0.00	3.60
98.00	Kathrein 800 10504	3	28.913	31.805	0.60	0.80	6.03	0.000	0.000	306.85	0.00	0.00	63.36
98.00	Flush Mounts	3	28.913	31.805	0.56	0.75	3.38	0.000	0.000	171.75	0.00	0.00	216.00
104.0	Powerwave	6	29.569	32.526	0.60	0.80	24.44	0.000	2.000	1,272.10	0.00	2,544.21	267.84
104.0	KMW AM-X-CD-14-65-	3	29.569	32.526	0.61	0.80	10.03	0.000	2.000	522.08	0.00	1,044.16	131.04
104.0	Ravcap DC6-48-60-18-	1	29.569	32.526	0.80	0.80	1.18	0.000	2.000	61.20	0.00	122.40	38.16
104.0	Powerwave LGP21401	12	29.569	32.526	0.54	0.80	8.30	0.000	2.000	431.80	0.00	863.61	203.04
104.0	Ericsson RRUS 11	6	29.569	32.526	0.60	0.80	10.76	0.000	2.000	560.18	0.00	1,120.35	360.00
104.0	Low Profile Platform	1	29.409	32.349	1.00	1.00	20.00	0.000	0.000	1,035.18	0.00	0.00	1,800.00
119.0	RFS APX16DWV-	3	30.563	33.619	0.60	0.80	13.00	0.000	0.000	699.06	0.00	0.00	146.52
119.0	Ericsson KRY 112 71	6	30.563	33.619	0.54	0.80	2.19	0.000	0.000	117.63	0.00	0.00	95.04
119.0	Andrew	3	30.563	33.619	0.54	0.80	0.76	0.000	0.000	40.65	0.00	0.00	39.60
119.0	RFS APX16PV-16PVL-	3	30.563	33.619	0.60	0.80	11.96	0.000	0.000	643.58	0.00	0.00	142.56
119.0	Low Profile Platform	1	30.563	33.619	1.00	1.00	20.00	0.000	0.000	1,075.81	0.00	0.00	1,800.00
125.0	Dragonwave A-ANT-	1	30.995	34.095	1.00	1.00	1.61	0.000	0.000	87.83	0.00	0.00	18.00
125.0	Clearwire Mount	1	30.995	34.095	1.00	1.00	8.50	0.000	0.000	463.69	0.00	0.00	48.00
125.0	DragonWave Horizon	2	30.995	34.095	0.80	0.80	0.69	0.000	0.000	37.53	0.00	0.00	25.44
125.0	Argus LLPX310R	3	30.995	34.095	0.56	0.80	8.11	0.000	0.000	442.65	0.00	0.00	102.96
125.0	Dragonwave A-ANT-	1	30.995	34.095	1.00	1.00	4.69	0.000	0.000	255.85	0.00	0.00	32.52
125.0	NextNet BTS-2500	3	30.995	34.095	0.58	0.80	3.71	0.000	0.000	202.62	0.00	0.00	126.00
126.0	72"x12" Panels	3	31.413	34.555	0.56	0.75	14.17	0.000	5.000	783.70	0.00	3,918.49	162.00
126.0	48"x12" Panels	9	31.413	34.555	0.56	0.75	28.35	0.000	5.000	1,567.40	0.00	7,836.99	324.00
126.0	Platform with Handra	1	31.413	34.555	1.00	1.00	33.75	0.000	5.000	1,865.95	0.00	9,329.75	2,400.00
										13,056.28			8,757.48

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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 110.00 mph with No Ice 24 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

Linear Appurtenance Segment Forces (Factored)

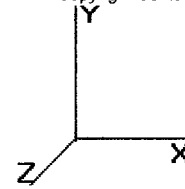
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	F X (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.242	0.000	35.53	29.52
5.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.242	0.000	71.78	59.03
5.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.242	0.000	7.98	0.48
5.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.242	0.000	35.89	9.84
5.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.242	0.000	5.08	0.17
5.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.242	0.000	35.89	29.52
5.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.242	0.000	7.98	1.44
10.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.249	0.000	35.53	29.52
10.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.249	0.000	71.78	59.03
10.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.249	0.000	7.98	0.48
10.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.249	0.000	35.89	9.84
10.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.249	0.000	5.08	0.17
10.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.249	0.000	35.89	29.52
10.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.249	0.000	7.98	1.44
15.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.255	0.000	35.53	29.52
15.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.255	0.000	71.78	59.03
15.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.255	0.000	7.98	0.48
15.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.255	0.000	35.89	9.84
15.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.255	0.000	5.08	0.17
15.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.255	0.000	35.89	29.52
15.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.255	0.000	7.98	1.44
20.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.263	0.000	35.53	29.52
20.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.263	0.000	71.78	59.03
20.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.263	0.000	7.98	0.48
20.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.263	0.000	35.89	9.84
20.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.263	0.000	5.08	0.17
20.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.263	0.000	35.89	29.52
20.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.263	0.000	7.98	1.44
25.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.270	0.000	35.53	29.52
25.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.270	0.000	71.78	59.03
25.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.270	0.000	7.98	0.48
25.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.270	0.000	35.89	9.84
25.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.270	0.000	5.08	0.17
25.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.270	0.000	35.89	29.52
25.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.270	0.000	7.98	1.44
30.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.616	0.279	0.000	35.56	29.52
30.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.616	0.279	0.000	71.84	59.03
30.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.616	0.279	0.000	7.98	0.48
30.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.616	0.279	0.000	35.92	9.84
30.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.616	0.279	0.000	5.08	0.17
30.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.616	0.279	0.000	35.92	29.52
30.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.616	0.279	0.000	7.98	1.44
35.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	21.545	0.287	0.000	37.16	29.52
35.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.545	0.287	0.000	75.08	59.03
35.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	21.545	0.287	0.000	8.34	0.48
35.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	21.545	0.287	0.000	37.54	9.84
35.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	21.545	0.287	0.000	5.31	0.17
35.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	21.545	0.287	0.000	37.54	29.52
35.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	21.545	0.287	0.000	8.34	1.44
40.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	22.383	0.296	0.000	38.61	29.52
40.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	22.383	0.296	0.000	78.00	59.03

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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 110.00 mph with No Ice 24 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

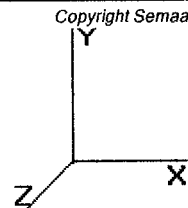
40.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	22.383	0.296	0.000	8.67	0.48
40.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	22.383	0.296	0.000	39.00	9.84
40.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	22.383	0.296	0.000	5.52	0.17
40.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	22.383	0.296	0.000	39.00	29.52
40.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	22.383	0.296	0.000	8.67	1.44
43.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.96	0.57	0.69	22.925	0.305	0.000	27.68	20.66
43.50	(12) 1 5/8" Coax	Yes	3.50	1.199	3.96	1.15	1.38	22.925	0.305	0.000	55.85	41.32
43.50	(1) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	22.925	0.305	0.000	6.21	0.34
43.50	(2) 8AWG7	Yes	3.50	1.200	1.98	0.58	0.69	22.925	0.305	0.000	27.96	6.89
43.50	(1) RG6	Yes	3.50	1.200	0.28	0.08	0.10	22.925	0.305	0.000	3.95	0.12
43.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.98	0.58	0.69	22.925	0.305	0.000	27.96	20.66
43.50	(3) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	22.925	0.305	0.000	6.21	1.01
45.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.96	0.25	0.29	23.149	0.310	0.000	11.98	8.85
45.00	(12) 1 5/8" Coax	Yes	1.50	1.193	3.96	0.50	0.59	23.149	0.310	0.000	24.05	17.71
45.00	(1) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	23.149	0.310	0.000	2.69	0.14
45.00	(2) 8AWG7	Yes	1.50	1.200	1.98	0.25	0.30	23.149	0.310	0.000	12.10	2.95
45.00	(1) RG6	Yes	1.50	1.200	0.28	0.04	0.04	23.149	0.310	0.000	1.71	0.05
45.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.98	0.25	0.30	23.149	0.310	0.000	12.10	8.85
45.00	(3) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	23.149	0.310	0.000	2.69	0.43
48.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.96	0.57	0.69	23.649	0.315	0.000	28.55	20.66
48.50	(12) 1 5/8" Coax	Yes	3.50	1.180	3.96	1.15	1.36	23.649	0.315	0.000	56.73	41.32
48.50	(1) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	23.649	0.315	0.000	6.41	0.34
48.50	(2) 8AWG7	Yes	3.50	1.200	1.98	0.58	0.69	23.649	0.315	0.000	28.84	6.89
48.50	(1) RG6	Yes	3.50	1.200	0.28	0.08	0.10	23.649	0.315	0.000	4.08	0.12
48.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.98	0.58	0.69	23.649	0.315	0.000	28.84	20.66
48.50	(3) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	23.649	0.315	0.000	6.41	1.01
50.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.96	0.25	0.29	23.856	0.315	0.000	12.34	8.85
50.00	(12) 1 5/8" Coax	Yes	1.50	1.175	3.96	0.50	0.58	23.856	0.315	0.000	24.42	17.71
50.00	(1) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	23.856	0.315	0.000	2.77	0.14
50.00	(2) 8AWG7	Yes	1.50	1.200	1.98	0.25	0.30	23.856	0.315	0.000	12.47	2.95
50.00	(1) RG6	Yes	1.50	1.200	0.28	0.04	0.04	23.856	0.315	0.000	1.76	0.05
50.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.98	0.25	0.30	23.856	0.315	0.000	12.47	8.85
50.00	(3) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	23.856	0.315	0.000	2.77	0.43
55.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	24.515	0.322	0.000	42.28	29.52
55.00	(12) 1 5/8" Coax	Yes	5.00	1.159	3.96	1.65	1.91	24.515	0.322	0.000	82.51	59.03
55.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	24.515	0.322	0.000	9.49	0.48
55.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	24.515	0.322	0.000	42.71	9.84
55.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	24.515	0.322	0.000	6.04	0.17
55.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	24.515	0.322	0.000	42.71	29.52
55.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	24.515	0.322	0.000	9.49	1.44
60.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	25.132	0.333	0.000	43.35	29.52
60.00	(12) 1 5/8" Coax	Yes	5.00	1.145	3.96	1.65	1.89	25.132	0.333	0.000	83.54	59.03
60.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	25.132	0.333	0.000	9.73	0.48
60.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	25.132	0.333	0.000	43.79	9.84
60.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	25.132	0.333	0.000	6.19	0.17
60.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	25.132	0.333	0.000	43.79	29.52
60.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	25.132	0.333	0.000	9.73	1.44
65.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	25.713	0.346	0.000	44.35	29.52
65.00	(12) 1 5/8" Coax	Yes	5.00	1.132	3.96	1.65	1.87	25.713	0.346	0.000	84.50	59.03
65.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	25.713	0.346	0.000	9.96	0.48
65.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	25.713	0.346	0.000	44.80	9.84
65.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	25.713	0.346	0.000	6.34	0.17
65.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	25.713	0.346	0.000	44.80	29.52
65.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	25.713	0.346	0.000	9.96	1.44
70.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	26.263	0.359	0.000	45.30	29.52
70.00	(12) 1 5/8" Coax	Yes	5.00	1.120	3.96	1.65	1.85	26.263	0.359	0.000	85.40	59.03
70.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	26.263	0.359	0.000	10.17	0.48

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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

110.00 mph with No Ice

24 Iterations

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

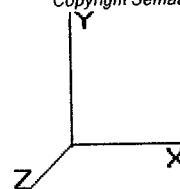
Wind Importance Factor : 1.00

70.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	26.263	0.359	0.000	45.76	9.84
70.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	26.263	0.359	0.000	6.47	0.17
70.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	26.263	0.359	0.000	45.76	29.52
70.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	26.263	0.359	0.000	10.17	1.44
75.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	26.786	0.374	0.000	46.20	29.52
75.00	(12) 1 5/8" Coax	Yes	5.00	1.109	3.96	1.65	1.83	26.786	0.374	0.000	86.25	59.03
75.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	26.786	0.374	0.000	10.37	0.48
75.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	26.786	0.374	0.000	46.67	9.84
75.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	26.786	0.374	0.000	6.60	0.17
75.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	26.786	0.374	0.000	46.67	29.52
75.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	26.786	0.374	0.000	10.37	1.44
80.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	27.285	0.390	0.000	47.06	29.52
80.00	(12) 1 5/8" Coax	Yes	5.00	1.099	3.96	1.65	1.81	27.285	0.390	0.000	87.05	59.03
80.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	27.285	0.390	0.000	10.56	0.48
80.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	27.285	0.390	0.000	47.54	9.84
80.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	27.285	0.390	0.000	6.72	0.17
80.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	27.285	0.390	0.000	47.54	29.52
80.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	27.285	0.390	0.000	10.56	1.44
85.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	27.761	0.407	0.000	47.88	29.52
85.00	(12) 1 5/8" Coax	Yes	5.00	1.089	3.96	1.65	1.80	27.761	0.407	0.000	87.80	59.03
85.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	27.761	0.407	0.000	10.75	0.48
85.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	27.761	0.407	0.000	48.37	9.84
85.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	27.761	0.407	0.000	6.84	0.17
85.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	27.761	0.407	0.000	48.37	29.52
85.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	27.761	0.407	0.000	10.75	1.44
88.13	(6) 1 5/8" Coax	Yes	3.13	1.200	1.96	0.51	0.61	28.049	0.422	0.000	30.24	18.45
88.13	(12) 1 5/8" Coax	Yes	3.13	1.084	3.96	1.03	1.12	28.049	0.422	0.000	55.16	36.90
88.13	(1) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	28.049	0.422	0.000	6.79	0.30
88.13	(2) 8AWG7	Yes	3.13	1.200	1.98	0.52	0.62	28.049	0.422	0.000	30.55	6.15
88.13	(1) RG6	Yes	3.13	1.200	0.28	0.07	0.09	28.049	0.422	0.000	4.32	0.11
88.13	(6) 1 5/8" Coax	Yes	3.13	1.200	1.98	0.52	0.62	28.049	0.422	0.000	30.55	18.45
88.13	(3) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	28.049	0.422	0.000	6.79	0.90
90.00	(6) 1 5/8" Coax	Yes	1.88	1.200	1.96	0.31	0.37	28.219	0.432	0.000	18.25	11.07
90.00	(12) 1 5/8" Coax	Yes	1.88	1.080	3.96	0.62	0.67	28.219	0.432	0.000	33.20	22.14
90.00	(1) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	28.219	0.432	0.000	4.10	0.18
90.00	(2) 8AWG7	Yes	1.88	1.200	1.98	0.31	0.37	28.219	0.432	0.000	18.44	3.69
90.00	(1) RG6	Yes	1.88	1.200	0.28	0.04	0.05	28.219	0.432	0.000	2.61	0.07
90.00	(6) 1 5/8" Coax	Yes	1.88	1.200	1.98	0.31	0.37	28.219	0.432	0.000	18.44	11.07
90.00	(3) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	28.219	0.432	0.000	4.10	0.54
91.88	(6) 1 5/8" Coax	Yes	1.88	1.200	1.96	0.31	0.37	28.385	0.439	0.000	18.36	11.07
91.88	(12) 1 5/8" Coax	Yes	1.88	1.077	3.96	0.62	0.67	28.385	0.439	0.000	33.29	22.14
91.88	(1) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	28.385	0.439	0.000	4.12	0.18
91.88	(2) 8AWG7	Yes	1.88	1.200	1.98	0.31	0.37	28.385	0.439	0.000	18.55	3.69
91.88	(1) RG6	Yes	1.88	1.200	0.28	0.04	0.05	28.385	0.439	0.000	2.62	0.07
91.88	(6) 1 5/8" Coax	Yes	1.88	1.200	1.98	0.31	0.37	28.385	0.439	0.000	18.55	11.07
91.88	(3) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	28.385	0.439	0.000	4.12	0.54
95.00	(6) 1 5/8" Coax	Yes	3.13	1.200	1.96	0.51	0.61	28.658	0.441	0.000	30.89	18.45
95.00	(12) 1 5/8" Coax	Yes	3.13	1.072	3.96	1.03	1.11	28.658	0.441	0.000	55.76	36.90
95.00	(1) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	28.658	0.441	0.000	6.94	0.30
95.00	(2) 8AWG7	Yes	3.13	1.200	1.98	0.52	0.62	28.658	0.441	0.000	31.21	6.15
95.00	(1) RG6	Yes	3.13	1.200	0.28	0.07	0.09	28.658	0.441	0.000	4.41	0.11
95.00	(6) 1 5/8" Coax	Yes	3.13	1.200	1.98	0.52	0.62	28.658	0.441	0.000	31.21	18.45
95.00	(3) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	28.658	0.441	0.000	6.94	0.90
98.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.96	0.49	0.59	28.913	0.454	0.000	29.92	17.71
98.00	(12) 1 5/8" Coax	Yes	3.00	1.067	3.96	0.99	1.06	28.913	0.454	0.000	53.76	35.42
98.00	(1) 3/8" Coax	Yes	3.00	1.200	0.44	0.11	0.13	28.913	0.454	0.000	6.72	0.29
98.00	(2) 8AWG7	Yes	3.00	1.200	1.98	0.50	0.59	28.913	0.454	0.000	30.23	5.90

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W

110.00 mph with No Ice

24 Iterations

Wind Importance Factor : 1.00

Gust Response Factor : 1.10

Dead Load Factor : 1.20

Wind Load Factor : 1.60

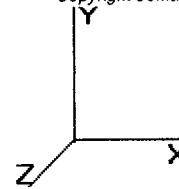
98.00	(1) RG6	Yes	3.00	1.200	0.28	0.07	0.08	28.913	0.454	0.000	4.27	0.10
98.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	28.913	0.454	0.000	30.23	17.71
98.00	(3) 3/8" Coax	Yes	3.00	1.200	0.44	0.11	0.13	28.913	0.454	0.000	6.72	0.86
100.0	(6) 1 5/8" Coax	Yes	2.00	1.200	1.96	0.33	0.39	29.081	0.364	0.000	20.06	11.81
100.0	(12) 1 5/8" Coax	Yes	2.00	1.064	3.96	0.66	0.70	29.081	0.364	0.000	35.95	23.61
100.0	(1) 3/8" Coax	Yes	2.00	1.200	0.44	0.07	0.09	29.081	0.364	0.000	4.50	0.19
100.0	(2) 8AWG7	Yes	2.00	1.200	1.98	0.33	0.40	29.081	0.364	0.000	20.27	3.94
100.0	(1) RG6	Yes	2.00	1.200	0.28	0.05	0.06	29.081	0.364	0.000	2.87	0.07
104.0	(6) 1 5/8" Coax	Yes	4.00	1.200	1.96	0.65	0.78	29.409	0.375	0.000	40.58	23.61
104.0	(12) 1 5/8" Coax	Yes	4.00	1.058	3.96	1.32	1.40	29.409	0.375	0.000	72.30	47.23
104.0	(1) 3/8" Coax	Yes	4.00	1.200	0.44	0.15	0.18	29.409	0.375	0.000	9.11	0.38
104.0	(2) 8AWG7	Yes	4.00	1.200	1.98	0.66	0.79	29.409	0.375	0.000	40.99	7.87
104.0	(1) RG6	Yes	4.00	1.200	0.28	0.09	0.11	29.409	0.375	0.000	5.80	0.14
105.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.96	0.16	0.00	29.489	0.088	0.000	0.00	5.90
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.96	0.82	0.00	29.884	0.090	0.000	0.00	29.52
115.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.96	0.82	0.00	30.266	0.096	0.000	0.00	29.52
119.0	(6) 1 5/8" Coax	Yes	4.00	0.000	1.96	0.65	0.00	30.563	0.101	1.003	0.00	23.61
										Totals:	4,764.52	2,755.31

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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

110.00 mph with No Ice

24 Iterations

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

Wind Importance Factor : 1.00

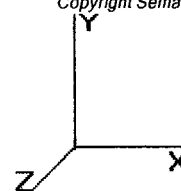
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	1,026.81	1,378.80	0.00	0.00
10.00	1,005.17	1,350.23	0.00	0.00
15.00	983.54	1,321.66	0.00	0.00
20.00	961.90	1,293.10	0.00	0.00
25.00	940.26	1,264.53	0.00	0.00
30.00	919.39	1,235.96	0.00	0.00
35.00	938.16	1,207.39	0.00	0.00
40.00	951.13	1,178.83	0.00	0.00
43.50	667.54	808.18	0.00	0.00
45.00	288.99	557.18	0.00	0.00
48.50	679.58	1,281.77	0.00	0.00
50.00	289.93	296.93	0.00	0.00
55.00	975.24	974.28	0.00	0.00
60.00	972.35	950.48	0.00	0.00
65.00	966.86	926.67	0.00	0.00
70.00	959.05	902.86	0.00	0.00
75.00	949.15	879.06	0.00	0.00
80.00	1,328.99	1,067.05	0.00	780.63
85.00	923.80	829.47	0.00	0.00
88.13	568.11	506.33	0.00	0.00
90.00	341.99	453.85	0.00	0.00
91.88	339.72	447.82	0.00	0.00
95.00	561.97	431.21	0.00	0.00
98.00	1,031.04	689.92	0.00	0.00
100.0	326.34	255.12	0.00	0.00
104.0	4,527.34	3,301.17	0.00	5,694.73
105.0	62.96	109.46	0.00	0.00
110.0	308.80	535.89	0.00	0.00
115.0	295.53	516.85	0.00	0.00
119.0	2,803.62	2,623.49	0.00	0.00
120.0	54.95	80.33	0.00	0.00
125.0	1,757.55	743.13	0.00	0.00
126.0	4,268.52	2,952.46	0.00	21,085.23
Totals:	33,976.28	33,351.45	0.00	27,560.59

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W

110.00 mph with No Ice

24 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.20

Wind Load Factor : 1.60

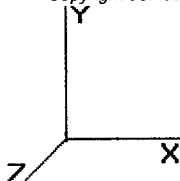
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-33.26	-34.06	0.00	-2,841.16	0.00	2,841.16	3,765.29	1,882.65	6,978.46	3,494.42	0.00	0.00	0.822
5.00	-31.72	-33.19	0.00	-2,670.86	0.00	2,670.86	3,697.80	1,848.90	6,673.37	3,341.64	0.15	-0.28	0.808
10.00	-30.22	-32.33	0.00	-2,504.92	0.00	2,504.92	3,628.68	1,814.34	6,371.97	3,190.72	0.61	-0.57	0.794
15.00	-28.75	-31.48	0.00	-2,343.29	0.00	2,343.29	3,557.92	1,778.96	6,074.51	3,041.77	1.36	-0.87	0.779
20.00	-27.31	-30.63	0.00	-2,185.91	0.00	2,185.91	3,485.52	1,742.76	5,781.22	2,894.91	2.43	-1.16	0.763
25.00	-25.91	-29.80	0.00	-2,032.74	0.00	2,032.74	3,411.48	1,705.74	5,492.34	2,750.25	3.81	-1.46	0.747
30.00	-24.54	-28.98	0.00	-1,883.73	0.00	1,883.73	3,335.81	1,667.90	5,208.12	2,607.93	5.51	-1.77	0.730
35.00	-23.22	-28.13	0.00	-1,738.82	0.00	1,738.82	3,258.50	1,629.25	4,928.79	2,468.06	7.53	-2.08	0.712
40.00	-21.95	-27.24	0.00	-1,598.17	0.00	1,598.17	3,158.60	1,579.30	4,623.93	2,315.40	9.88	-2.40	0.697
43.50	-21.10	-26.59	0.00	-1,502.84	0.00	1,502.84	3,085.84	1,542.92	4,412.25	2,209.40	11.72	-2.62	0.687
45.00	-20.48	-26.34	0.00	-1,462.95	0.00	1,462.95	3,054.65	1,527.33	4,323.05	2,164.74	12.56	-2.72	0.683
48.50	-19.16	-25.65	0.00	-1,370.76	0.00	1,370.76	2,457.75	1,228.87	3,470.74	1,737.95	14.64	-2.95	0.797
50.00	-18.77	-25.42	0.00	-1,332.29	0.00	1,332.29	2,439.67	1,219.84	3,409.59	1,707.33	15.58	-3.05	0.788
55.00	-17.70	-24.51	0.00	-1,205.17	0.00	1,205.17	2,378.35	1,189.18	3,208.11	1,606.44	18.97	-3.41	0.758
60.00	-16.66	-23.58	0.00	-1,082.64	0.00	1,082.64	2,315.40	1,157.70	3,010.48	1,507.48	22.74	-3.78	0.726
65.00	-15.66	-22.66	0.00	-964.72	0.00	964.72	2,249.69	1,124.84	2,815.52	1,409.85	26.89	-4.14	0.692
70.00	-14.70	-21.72	0.00	-851.44	0.00	851.44	2,163.06	1,081.53	2,601.80	1,302.84	31.42	-4.50	0.661
75.00	-13.77	-20.79	0.00	-742.82	0.00	742.82	2,076.43	1,038.21	2,396.52	1,200.04	36.32	-4.86	0.626
80.00	-12.71	-19.45	0.00	-638.08	0.00	638.08	1,989.80	994.90	2,199.68	1,101.47	41.60	-5.21	0.586
85.00	-11.88	-18.51	0.00	-540.83	0.00	540.83	1,903.17	951.59	2,011.27	1,007.13	47.24	-5.55	0.544
88.13	-11.38	-17.93	0.00	-482.98	0.00	482.98	1,849.03	924.51	1,897.79	950.31	50.94	-5.76	0.515
90.00	-10.92	-17.57	0.00	-449.37	0.00	449.37	1,816.54	908.27	1,831.29	917.01	53.22	-5.89	0.496
91.88	-10.47	-17.21	0.00	-416.43	0.00	416.43	1,456.00	728.00	1,478.84	740.52	55.56	-6.01	0.570
95.00	-10.04	-16.64	0.00	-362.65	0.00	362.65	1,417.09	708.55	1,396.21	699.14	59.55	-6.21	0.526
98.00	-9.42	-15.57	0.00	-312.73	0.00	312.73	1,375.51	687.75	1,315.06	658.51	63.51	-6.41	0.482
100.00	-9.15	-15.25	0.00	-281.59	0.00	281.59	1,347.79	673.89	1,262.31	632.09	66.22	-6.55	0.453
104.00	-6.37	-10.38	0.00	-214.91	0.00	214.91	1,292.34	646.17	1,160.06	580.89	71.80	-6.79	0.375
105.00	-6.24	-10.32	0.00	-204.53	0.00	204.53	1,278.48	639.24	1,135.17	568.43	73.22	-6.84	0.365
110.00	-5.71	-9.97	0.00	-152.91	0.00	152.91	1,209.18	604.59	1,014.77	508.14	80.51	-7.09	0.306
115.00	-5.21	-9.63	0.00	-103.04	0.00	103.04	1,139.88	569.94	901.12	451.23	88.03	-7.30	0.233
119.00	-2.96	-6.52	0.00	-64.51	0.00	64.51	1,084.44	542.22	815.07	408.14	94.20	-7.43	0.161
120.00	-2.88	-6.46	0.00	-57.99	0.00	57.99	1,070.57	535.29	794.22	397.70	95.75	-7.46	0.149
125.00	-2.36	-4.62	0.00	-25.71	0.00	25.71	1,001.27	500.64	694.07	347.55	103.60	-7.56	0.076
126.00	0.00	-4.27	0.00	-21.09	0.00	21.09	987.41	493.71	674.85	337.93	105.18	-7.57	0.062

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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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 4/5/2011 3:52:33 PM
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Load Case: 0.9D + 1.6W 110.00 mph with No Ice (Reduced DL) 24 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

Shaft Segment Forces (Factored)

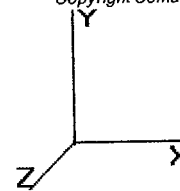
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	20.599	22.65	354.34	0.650	0.00	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	20.599	22.65	345.18	1.200 *	0.00	5.00	19.002	22.80	826.7	0.0	811.7
10.00		1.00	0.70	20.599	22.65	336.03	1.200 *	0.00	5.00	18.505	22.21	805.1	0.0	790.3
15.00		1.00	0.70	20.599	22.65	326.87	1.200 *	0.00	5.00	18.007	21.61	783.4	0.0	768.8
20.00		1.00	0.70	20.599	22.65	317.71	1.200 *	0.00	5.00	17.510	21.01	761.8	0.0	747.4
25.00		1.00	0.70	20.599	22.65	308.56	1.200 *	0.00	5.00	17.013	20.42	740.1	0.0	726.0
30.00		1.00	0.70	20.616	22.67	299.53	1.200 *	0.00	5.00	16.515	19.82	719.1	0.0	704.6
35.00		1.00	0.73	21.545	23.69	296.84	1.200 *	0.00	5.00	16.018	19.22	728.8	0.0	683.1
40.00		1.00	0.76	22.383	24.62	293.01	1.200 *	0.00	5.00	15.520	18.62	733.7	0.0	661.7
43.50	Bot - Section 2	1.00	0.77	22.925	25.21	289.78	1.200 *	0.00	3.50	10.568	12.68	511.7	0.0	450.5
45.00		1.00	0.78	23.149	25.46	288.28	1.200 *	0.00	1.50	4.534	5.44	221.7	0.0	351.2
48.50	Top - Section 1	1.00	0.80	23.649	26.01	284.51	1.200 *	0.00	3.50	10.405	12.49	519.7	0.0	805.6
50.00		1.00	0.81	23.856	26.24	288.03	1.200 *	0.00	1.50	4.385	5.26	220.9	0.0	156.0
55.00		1.00	0.83	24.515	26.96	282.00	1.200 *	0.00	5.00	14.293	17.15	740.0	0.0	508.3
60.00		1.00	0.85	25.132	27.64	275.41	1.200 *	0.00	5.00	13.795	16.55	732.2	0.0	490.5
65.00		1.00	0.87	25.713	28.28	268.35	1.200 *	0.00	5.00	13.298	15.96	722.2	0.0	472.6
70.00		1.00	0.89	26.263	28.89	260.87	1.200 *	0.00	5.00	12.800	15.36	710.0	0.0	454.7
75.00		1.00	0.91	26.786	29.46	253.01	1.200 *	0.00	5.00	12.303	14.76	696.0	0.0	436.9
80.00	Appertunance(s)	1.00	0.92	27.285	30.01	244.82	1.200 *	0.00	5.00	11.806	14.17	680.3	0.0	419.0
85.00		1.00	0.94	27.761	30.53	236.32	1.200 *	0.00	5.00	11.308	13.57	663.0	0.0	401.2
88.13	Bot - Section 3	1.00	0.95	28.049	30.85	230.86	1.200 *	0.00	3.13	6.815	8.18	403.7	0.0	241.7
90.00		1.00	0.95	28.219	31.04	227.54	1.200 *	0.00	1.88	4.075	4.89	242.9	0.0	257.5
91.88	Top - Section 2	1.00	0.96	28.385	31.22	224.18	1.200 *	0.00	1.88	4.005	4.81	240.1	0.0	253.0
95.00		1.00	0.97	28.658	31.52	223.10	1.200 *	0.00	3.13	6.520	7.82	394.6	0.0	185.3
98.00	Appertunance(s)	1.00	0.98	28.913	31.80	217.58	1.200 *	0.00	3.00	6.076	7.29	371.0	0.0	172.7
100.0		1.00	0.98	29.081	31.98	213.86	1.200 *	0.00	2.00	3.951	4.74	242.7	0.0	112.3
104.0	Appertunance(s)	1.00	0.99	29.409	32.34	206.31	1.200 *	0.00	4.00	7.664	9.20	476.0	0.0	217.7
105.0		1.00	1.00	29.489	32.43	204.40	0.650	0.00	1.00	1.866	1.21	63.0	0.0	53.0
110.0		1.00	1.01	29.884	32.87	194.74	0.650	0.00	5.00	9.033	5.87	308.8	0.0	256.4
115.0		1.00	1.02	30.266	33.29	184.88	0.650	0.00	5.00	8.535	5.55	295.5	0.0	242.1
119.0	Appertunance(s)	1.00	1.03	30.563	33.61	176.87	0.650 *	0.00	4.00	6.470	4.21	226.2	0.0	183.4
120.0		1.00	1.04	30.636	33.69	174.85	0.650	0.00	1.00	1.568	1.02	54.9	0.0	44.4
125.0	Appertunance(s)	1.00	1.05	30.995	34.09	164.64	0.650	0.00	5.00	7.541	4.90	267.4	0.0	213.5
126.0	Appertunance(s)	1.00	1.05	31.066	34.17	162.58	0.650	0.00	1.00	1.448	0.94	51.5	0.0	41.0
								Totals:	126.00			16,154.8	0.0	13,313.9

* = Cf Adjusted By Linear Load Ra Effect

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 0.9D + 1.6W

110.00 mph with No Ice (Reduced DL)

24 Iterations

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

Wind Importance Factor : 1.00

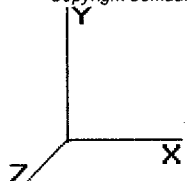
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
80.00	BCD-87010	1	27.808	30.589	1.00	1.00	2.90	0.000	5.500	141.93	0.00	780.63	23.85
80.00	Pipe Mount	1	27.285	30.013	1.00	1.00	5.20	0.000	0.000	249.71	0.00	0.00	135.00
98.00	RCU	3	28.913	31.805	0.80	0.80	0.38	0.000	0.000	19.54	0.00	0.00	2.70
98.00	Kathrein 800 10504	3	28.913	31.805	0.60	0.80	6.03	0.000	0.000	306.85	0.00	0.00	47.52
98.00	Flush Mounts	3	28.913	31.805	0.56	0.75	3.38	0.000	0.000	171.75	0.00	0.00	162.00
104.0	Powerwave	6	29.569	32.526	0.60	0.80	24.44	0.000	2.000	1,272.10	0.00	2,544.21	200.88
104.0	KMW AM-X-CD-14-65-	3	29.569	32.526	0.61	0.80	10.03	0.000	2.000	522.08	0.00	1,044.16	98.28
104.0	Ravcap DC6-48-60-18-	1	29.569	32.526	0.80	0.80	1.18	0.000	2.000	61.20	0.00	122.40	28.62
104.0	Powerwave LGP21401	12	29.569	32.526	0.54	0.80	8.30	0.000	2.000	431.80	0.00	863.61	152.28
104.0	Ericsson RRUS 11	6	29.569	32.526	0.60	0.80	10.76	0.000	2.000	560.18	0.00	1,120.35	270.00
104.0	Low Profile Platform	1	29.409	32.349	1.00	1.00	20.00	0.000	0.000	1,035.18	0.00	0.00	1,350.00
119.0	RFS APX16DWV-	3	30.563	33.619	0.60	0.80	13.00	0.000	0.000	699.06	0.00	0.00	109.89
119.0	Ericsson KRY 112 71	6	30.563	33.619	0.54	0.80	2.19	0.000	0.000	117.63	0.00	0.00	71.28
119.0	Andrew	3	30.563	33.619	0.54	0.80	0.76	0.000	0.000	40.65	0.00	0.00	29.70
119.0	RFS APX16PV-16PVL-	3	30.563	33.619	0.60	0.80	11.96	0.000	0.000	643.58	0.00	0.00	106.92
119.0	Low Profile Platform	1	30.563	33.619	1.00	1.00	20.00	0.000	0.000	1,075.81	0.00	0.00	1,350.00
125.0	Dragonwave A-ANT-	1	30.995	34.095	1.00	1.00	1.61	0.000	0.000	87.83	0.00	0.00	13.50
125.0	Clearwire Mount	1	30.995	34.095	1.00	1.00	8.50	0.000	0.000	463.69	0.00	0.00	36.00
125.0	DragonWave Horizon	2	30.995	34.095	0.80	0.80	0.69	0.000	0.000	37.53	0.00	0.00	19.08
125.0	Argus LLPX310R	3	30.995	34.095	0.56	0.80	8.11	0.000	0.000	442.65	0.00	0.00	77.22
125.0	Dragonwave A-ANT-	1	30.995	34.095	1.00	1.00	4.69	0.000	0.000	255.85	0.00	0.00	24.39
125.0	NextNet BTS-2500	3	30.995	34.095	0.58	0.80	3.71	0.000	0.000	202.62	0.00	0.00	94.50
126.0	72"x12" Panels	3	31.413	34.555	0.56	0.75	14.17	0.000	5.000	783.70	0.00	3,918.49	121.50
126.0	48"x12" Panels	9	31.413	34.555	0.56	0.75	28.35	0.000	5.000	1,567.40	0.00	7,836.99	243.00
126.0	Platform with Handra	1	31.413	34.555	1.00	1.00	33.75	0.000	5.000	1,865.95	0.00	9,329.75	1,800.00
										13,056.28			6,568.11

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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 110.00 mph with No Ice (Reduced DL) 24 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

Linear Appurtenance Segment Forces (Factored)

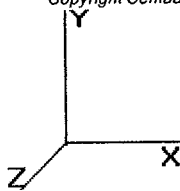
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	F X (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.242	0.000	35.53	22.14
5.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.242	0.000	71.78	44.27
5.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.242	0.000	7.98	0.36
5.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.242	0.000	35.89	7.38
5.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.242	0.000	5.08	0.13
5.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.242	0.000	35.89	22.14
5.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.242	0.000	7.98	1.08
10.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.249	0.000	35.53	22.14
10.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.249	0.000	71.78	44.27
10.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.249	0.000	7.98	0.36
10.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.249	0.000	35.89	7.38
10.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.249	0.000	5.08	0.13
10.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.249	0.000	35.89	22.14
10.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.249	0.000	7.98	1.08
15.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.255	0.000	35.53	22.14
15.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.255	0.000	71.78	44.27
15.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.255	0.000	7.98	0.36
15.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.255	0.000	35.89	7.38
15.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.255	0.000	5.08	0.13
15.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.255	0.000	35.89	22.14
15.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.255	0.000	7.98	1.08
20.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.263	0.000	35.53	22.14
20.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.263	0.000	71.78	44.27
20.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.263	0.000	7.98	0.36
20.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.263	0.000	35.89	7.38
20.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.263	0.000	5.08	0.13
20.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.263	0.000	35.89	22.14
20.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.263	0.000	7.98	1.08
25.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.599	0.270	0.000	35.53	22.14
25.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.599	0.270	0.000	71.78	44.27
25.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.270	0.000	7.98	0.36
25.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.270	0.000	35.89	7.38
25.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.599	0.270	0.000	5.08	0.13
25.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.599	0.270	0.000	35.89	22.14
25.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.599	0.270	0.000	7.98	1.08
30.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	20.616	0.279	0.000	35.56	22.14
30.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.616	0.279	0.000	71.84	44.27
30.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.616	0.279	0.000	7.98	0.36
30.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	20.616	0.279	0.000	35.92	7.38
30.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	20.616	0.279	0.000	5.08	0.13
30.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	20.616	0.279	0.000	35.92	22.14
30.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	20.616	0.279	0.000	7.98	1.08
35.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	21.545	0.287	0.000	37.16	22.14
35.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.545	0.287	0.000	75.08	44.27
35.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	21.545	0.287	0.000	8.34	0.36
35.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	21.545	0.287	0.000	37.54	7.38
35.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	21.545	0.287	0.000	5.31	0.13
35.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	21.545	0.287	0.000	37.54	22.14
35.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	21.545	0.287	0.000	8.34	1.08
40.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	22.383	0.296	0.000	38.61	22.14
40.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	22.383	0.296	0.000	78.00	44.27

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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 110.00 mph with No Ice (Reduced DL) 24 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 0.90

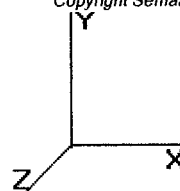
Wind Load Factor : 1.60

40.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	22.383	0.296	0.000	8.67	0.36
40.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	22.383	0.296	0.000	39.00	7.38
40.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	22.383	0.296	0.000	5.52	0.13
40.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	22.383	0.296	0.000	39.00	22.14
40.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	22.383	0.296	0.000	8.67	1.08
43.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.96	0.57	0.69	22.925	0.305	0.000	27.68	15.50
43.50	(12) 1 5/8" Coax	Yes	3.50	1.199	3.96	1.15	1.38	22.925	0.305	0.000	55.85	30.99
43.50	(1) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	22.925	0.305	0.000	6.21	0.25
43.50	(2) 8AWG7	Yes	3.50	1.200	1.98	0.58	0.69	22.925	0.305	0.000	27.96	5.17
43.50	(1) RG6	Yes	3.50	1.200	0.28	0.08	0.10	22.925	0.305	0.000	3.95	0.09
43.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.98	0.58	0.69	22.925	0.305	0.000	27.96	15.50
43.50	(3) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	22.925	0.305	0.000	6.21	0.76
45.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.96	0.25	0.29	23.149	0.310	0.000	11.98	6.64
45.00	(12) 1 5/8" Coax	Yes	1.50	1.193	3.96	0.50	0.59	23.149	0.310	0.000	24.05	13.28
45.00	(1) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	23.149	0.310	0.000	2.69	0.11
45.00	(2) 8AWG7	Yes	1.50	1.200	1.98	0.25	0.30	23.149	0.310	0.000	12.10	2.21
45.00	(1) RG6	Yes	1.50	1.200	0.28	0.04	0.04	23.149	0.310	0.000	1.71	0.04
45.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.98	0.25	0.30	23.149	0.310	0.000	12.10	6.64
45.00	(3) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	23.149	0.310	0.000	2.69	0.32
48.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.96	0.57	0.69	23.649	0.315	0.000	28.55	15.50
48.50	(12) 1 5/8" Coax	Yes	3.50	1.180	3.96	1.15	1.36	23.649	0.315	0.000	56.73	30.99
48.50	(1) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	23.649	0.315	0.000	6.41	0.25
48.50	(2) 8AWG7	Yes	3.50	1.200	1.98	0.58	0.69	23.649	0.315	0.000	28.84	5.17
48.50	(1) RG6	Yes	3.50	1.200	0.28	0.08	0.10	23.649	0.315	0.000	4.08	0.09
48.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.98	0.58	0.69	23.649	0.315	0.000	28.84	15.50
48.50	(3) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	23.649	0.315	0.000	6.41	0.76
50.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.96	0.25	0.29	23.856	0.315	0.000	12.34	6.64
50.00	(12) 1 5/8" Coax	Yes	1.50	1.175	3.96	0.50	0.58	23.856	0.315	0.000	24.42	13.28
50.00	(1) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	23.856	0.315	0.000	2.77	0.11
50.00	(2) 8AWG7	Yes	1.50	1.200	1.98	0.25	0.30	23.856	0.315	0.000	12.47	2.21
50.00	(1) RG6	Yes	1.50	1.200	0.28	0.04	0.04	23.856	0.315	0.000	1.76	0.04
50.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.98	0.25	0.30	23.856	0.315	0.000	12.47	6.64
50.00	(3) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	23.856	0.315	0.000	2.77	0.32
55.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	24.515	0.322	0.000	42.28	22.14
55.00	(12) 1 5/8" Coax	Yes	5.00	1.159	3.96	1.65	1.91	24.515	0.322	0.000	82.51	44.27
55.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	24.515	0.322	0.000	9.49	0.36
55.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	24.515	0.322	0.000	42.71	7.38
55.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	24.515	0.322	0.000	6.04	0.13
55.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	24.515	0.322	0.000	42.71	22.14
55.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	24.515	0.322	0.000	9.49	1.08
60.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	25.132	0.333	0.000	43.35	22.14
60.00	(12) 1 5/8" Coax	Yes	5.00	1.145	3.96	1.65	1.89	25.132	0.333	0.000	83.54	44.27
60.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	25.132	0.333	0.000	9.73	0.36
60.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	25.132	0.333	0.000	43.79	7.38
60.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	25.132	0.333	0.000	6.19	0.13
60.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	25.132	0.333	0.000	43.79	22.14
60.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	25.132	0.333	0.000	9.73	1.08
65.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	25.713	0.346	0.000	44.35	22.14
65.00	(12) 1 5/8" Coax	Yes	5.00	1.132	3.96	1.65	1.87	25.713	0.346	0.000	84.50	44.27
65.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	25.713	0.346	0.000	9.96	0.36
65.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	25.713	0.346	0.000	44.80	7.38
65.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	25.713	0.346	0.000	6.34	0.13
65.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	25.713	0.346	0.000	44.80	22.14
65.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	25.713	0.346	0.000	9.96	1.08
70.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	26.263	0.359	0.000	45.30	22.14
70.00	(12) 1 5/8" Coax	Yes	5.00	1.120	3.96	1.65	1.85	26.263	0.359	0.000	85.40	44.27
70.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	26.263	0.359	0.000	10.17	0.36

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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 110.00 mph with No Ice (Reduced DL) 24 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 0.90
Wind Load Factor : 1.60

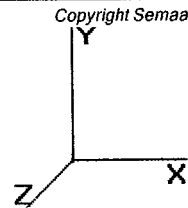
70.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	26.263	0.359	0.000	45.76	7.38
70.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	26.263	0.359	0.000	6.47	0.13
70.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	26.263	0.359	0.000	45.76	22.14
70.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	26.263	0.359	0.000	10.17	1.08
75.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	26.786	0.374	0.000	46.20	22.14
75.00	(12) 1 5/8" Coax	Yes	5.00	1.109	3.96	1.65	1.83	26.786	0.374	0.000	86.25	44.27
75.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	26.786	0.374	0.000	10.37	0.36
75.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	26.786	0.374	0.000	46.67	7.38
75.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	26.786	0.374	0.000	6.60	0.13
75.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	26.786	0.374	0.000	46.67	22.14
75.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	26.786	0.374	0.000	10.37	1.08
80.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	27.285	0.390	0.000	47.06	22.14
80.00	(12) 1 5/8" Coax	Yes	5.00	1.099	3.96	1.65	1.81	27.285	0.390	0.000	87.05	44.27
80.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	27.285	0.390	0.000	10.56	0.36
80.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	27.285	0.390	0.000	47.54	7.38
80.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	27.285	0.390	0.000	6.72	0.13
80.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	27.285	0.390	0.000	47.54	22.14
80.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	27.285	0.390	0.000	10.56	1.08
85.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	27.761	0.407	0.000	47.88	22.14
85.00	(12) 1 5/8" Coax	Yes	5.00	1.089	3.96	1.65	1.80	27.761	0.407	0.000	87.80	44.27
85.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	27.761	0.407	0.000	10.75	0.36
85.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	27.761	0.407	0.000	48.37	7.38
85.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	27.761	0.407	0.000	6.84	0.13
85.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	27.761	0.407	0.000	48.37	22.14
85.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	27.761	0.407	0.000	10.75	1.08
88.13	(6) 1 5/8" Coax	Yes	3.13	1.200	1.96	0.51	0.61	28.049	0.422	0.000	30.24	13.84
88.13	(12) 1 5/8" Coax	Yes	3.13	1.084	3.96	1.03	1.12	28.049	0.422	0.000	55.16	27.67
88.13	(1) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	28.049	0.422	0.000	6.79	0.22
88.13	(2) 8AWG7	Yes	3.13	1.200	1.98	0.52	0.62	28.049	0.422	0.000	30.55	4.61
88.13	(1) RG6	Yes	3.13	1.200	0.28	0.07	0.09	28.049	0.422	0.000	4.32	0.08
88.13	(6) 1 5/8" Coax	Yes	3.13	1.200	1.98	0.52	0.62	28.049	0.422	0.000	30.55	13.84
88.13	(3) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	28.049	0.422	0.000	6.79	0.67
90.00	(6) 1 5/8" Coax	Yes	1.88	1.200	1.96	0.31	0.37	28.219	0.432	0.000	18.25	8.30
90.00	(12) 1 5/8" Coax	Yes	1.88	1.080	3.96	0.62	0.67	28.219	0.432	0.000	33.20	16.60
90.00	(1) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	28.219	0.432	0.000	4.10	0.13
90.00	(2) 8AWG7	Yes	1.88	1.200	1.98	0.31	0.37	28.219	0.432	0.000	18.44	2.77
90.00	(1) RG6	Yes	1.88	1.200	0.28	0.04	0.05	28.219	0.432	0.000	2.61	0.05
90.00	(6) 1 5/8" Coax	Yes	1.88	1.200	1.98	0.31	0.37	28.219	0.432	0.000	18.44	8.30
90.00	(3) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	28.219	0.432	0.000	4.10	0.40
91.88	(6) 1 5/8" Coax	Yes	1.88	1.200	1.96	0.31	0.37	28.385	0.439	0.000	18.36	8.30
91.88	(12) 1 5/8" Coax	Yes	1.88	1.077	3.96	0.62	0.67	28.385	0.439	0.000	33.29	16.60
91.88	(1) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	28.385	0.439	0.000	4.12	0.13
91.88	(2) 8AWG7	Yes	1.88	1.200	1.98	0.31	0.37	28.385	0.439	0.000	18.55	2.77
91.88	(1) RG6	Yes	1.88	1.200	0.28	0.04	0.05	28.385	0.439	0.000	2.62	0.05
91.88	(6) 1 5/8" Coax	Yes	1.88	1.200	1.98	0.31	0.37	28.385	0.439	0.000	18.55	8.30
91.88	(3) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	28.385	0.439	0.000	4.12	0.40
95.00	(6) 1 5/8" Coax	Yes	3.13	1.200	1.96	0.51	0.61	28.658	0.441	0.000	30.89	13.84
95.00	(12) 1 5/8" Coax	Yes	3.13	1.072	3.96	1.03	1.11	28.658	0.441	0.000	55.76	27.67
95.00	(1) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	28.658	0.441	0.000	6.94	0.22
95.00	(2) 8AWG7	Yes	3.13	1.200	1.98	0.52	0.62	28.658	0.441	0.000	31.21	4.61
95.00	(1) RG6	Yes	3.13	1.200	0.28	0.07	0.09	28.658	0.441	0.000	4.41	0.08
95.00	(6) 1 5/8" Coax	Yes	3.13	1.200	1.98	0.52	0.62	28.658	0.441	0.000	31.21	13.84
95.00	(3) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	28.658	0.441	0.000	6.94	0.67
98.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.96	0.49	0.59	28.913	0.454	0.000	29.92	13.28
98.00	(12) 1 5/8" Coax	Yes	3.00	1.067	3.96	0.99	1.06	28.913	0.454	0.000	53.76	26.56
98.00	(1) 3/8" Coax	Yes	3.00	1.200	0.44	0.11	0.13	28.913	0.454	0.000	6.72	0.22
98.00	(2) 8AWG7	Yes	3.00	1.200	1.98	0.50	0.59	28.913	0.454	0.000	30.23	4.43

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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 110.00 mph with No Ice (Reduced DL) 24 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

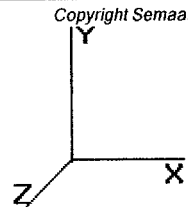
98.00	(1) RG6	Yes	3.00	1.200	0.28	0.07	0.08	28.913	0.454	0.000	4.27	0.08
98.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	28.913	0.454	0.000	30.23	13.28
98.00	(3) 3/8" Coax	Yes	3.00	1.200	0.44	0.11	0.13	28.913	0.454	0.000	6.72	0.65
100.0	(6) 1 5/8" Coax	Yes	2.00	1.200	1.96	0.33	0.39	29.081	0.364	0.000	20.06	8.85
100.0	(12) 1 5/8" Coax	Yes	2.00	1.064	3.96	0.66	0.70	29.081	0.364	0.000	35.95	17.71
100.0	(1) 3/8" Coax	Yes	2.00	1.200	0.44	0.07	0.09	29.081	0.364	0.000	4.50	0.14
100.0	(2) 8AWG7	Yes	2.00	1.200	1.98	0.33	0.40	29.081	0.364	0.000	20.27	2.95
100.0	(1) RG6	Yes	2.00	1.200	0.28	0.05	0.06	29.081	0.364	0.000	2.87	0.05
104.0	(6) 1 5/8" Coax	Yes	4.00	1.200	1.96	0.65	0.78	29.409	0.375	0.000	40.58	17.71
104.0	(12) 1 5/8" Coax	Yes	4.00	1.058	3.96	1.32	1.40	29.409	0.375	0.000	72.30	35.42
104.0	(1) 3/8" Coax	Yes	4.00	1.200	0.44	0.15	0.18	29.409	0.375	0.000	9.11	0.29
104.0	(2) 8AWG7	Yes	4.00	1.200	1.98	0.66	0.79	29.409	0.375	0.000	40.99	5.90
104.0	(1) RG6	Yes	4.00	1.200	0.28	0.09	0.11	29.409	0.375	0.000	5.80	0.10
105.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.96	0.16	0.00	29.489	0.088	0.000	0.00	4.43
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.96	0.82	0.00	29.884	0.090	0.000	0.00	22.14
115.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.96	0.82	0.00	30.266	0.096	0.000	0.00	22.14
119.0	(6) 1 5/8" Coax	Yes	4.00	0.000	1.96	0.65	0.00	30.563	0.101	1.003	0.00	17.71
Totals:											4,764.52	2,066.48

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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	110.00 mph with No Ice (Reduced DL)	24 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 0.90		
Wind Load Factor : 1.60		

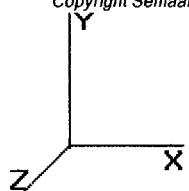
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	1,026.81	1,034.10	0.00	0.00
10.00	1,005.17	1,012.67	0.00	0.00
15.00	983.54	991.25	0.00	0.00
20.00	961.90	969.82	0.00	0.00
25.00	940.26	948.40	0.00	0.00
30.00	919.39	926.97	0.00	0.00
35.00	938.16	905.55	0.00	0.00
40.00	951.13	884.12	0.00	0.00
43.50	667.54	606.14	0.00	0.00
45.00	288.99	417.89	0.00	0.00
48.50	679.58	961.32	0.00	0.00
50.00	289.93	222.70	0.00	0.00
55.00	975.24	730.71	0.00	0.00
60.00	972.35	712.86	0.00	0.00
65.00	966.86	695.00	0.00	0.00
70.00	959.05	677.15	0.00	0.00
75.00	949.15	659.29	0.00	0.00
80.00	1,328.99	800.29	0.00	780.63
85.00	923.80	622.10	0.00	0.00
88.13	568.11	379.75	0.00	0.00
90.00	341.99	340.39	0.00	0.00
91.88	339.72	335.87	0.00	0.00
95.00	561.97	323.41	0.00	0.00
98.00	1,031.04	517.44	0.00	0.00
100.0	326.34	191.34	0.00	0.00
104.0	4,527.34	2,475.88	0.00	5,694.73
105.0	62.96	82.10	0.00	0.00
110.0	308.80	401.92	0.00	0.00
115.0	295.53	387.64	0.00	0.00
119.0	2,802.96	1,967.61	0.00	0.00
120.0	54.95	60.25	0.00	0.00
125.0	1,757.55	557.35	0.00	0.00
126.0	4,268.52	2,214.34	0.00	21,085.23
Totals:	33,975.62	25,013.59	0.00	27,560.59

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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 110.00 mph with No Ice (Reduced DL) 24 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

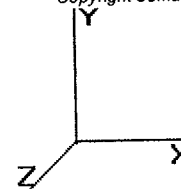
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-24.93	-34.04	0.00	-2,810.28	0.00	2,810.28	3,765.29	1,882.65	6,978.46	3,494.42	0.00	0.00	0.811
5.00	-23.73	-33.13	0.00	-2,640.09	0.00	2,640.09	3,697.80	1,848.90	6,673.37	3,341.64	0.15	-0.28	0.797
10.00	-22.57	-32.23	0.00	-2,474.47	0.00	2,474.47	3,628.68	1,814.34	6,371.97	3,190.72	0.60	-0.57	0.782
15.00	-21.43	-31.34	0.00	-2,313.33	0.00	2,313.33	3,557.92	1,778.96	6,074.51	3,041.77	1.35	-0.85	0.767
20.00	-20.32	-30.47	0.00	-2,156.64	0.00	2,156.64	3,485.52	1,742.76	5,781.22	2,894.91	2.40	-1.15	0.751
25.00	-19.24	-29.61	0.00	-2,004.30	0.00	2,004.30	3,411.48	1,705.74	5,492.34	2,750.25	3.76	-1.45	0.735
30.00	-18.18	-28.76	0.00	-1,856.27	0.00	1,856.27	3,335.81	1,667.90	5,208.12	2,607.93	5.44	-1.75	0.718
35.00	-17.16	-27.88	0.00	-1,712.48	0.00	1,712.48	3,258.50	1,629.25	4,928.79	2,468.06	7.44	-2.05	0.699
40.00	-16.19	-26.97	0.00	-1,573.06	0.00	1,573.06	3,158.60	1,579.30	4,623.93	2,315.40	9.75	-2.36	0.685
43.50	-15.54	-26.32	0.00	-1,478.66	0.00	1,478.66	3,085.84	1,542.92	4,412.25	2,209.40	11.57	-2.59	0.675
45.00	-15.06	-26.06	0.00	-1,439.17	0.00	1,439.17	3,054.65	1,527.33	4,323.05	2,164.74	12.40	-2.68	0.670
48.50	-14.06	-25.37	0.00	-1,347.97	0.00	1,347.97	2,457.75	1,228.87	3,470.74	1,737.95	14.45	-2.91	0.782
50.00	-13.76	-25.13	0.00	-1,309.91	0.00	1,309.91	2,439.67	1,219.84	3,409.59	1,707.33	15.38	-3.01	0.773
55.00	-12.93	-24.19	0.00	-1,184.28	0.00	1,184.28	2,378.35	1,189.18	3,208.11	1,606.44	18.72	-3.36	0.743
60.00	-12.13	-23.26	0.00	-1,063.31	0.00	1,063.31	2,315.40	1,157.70	3,010.48	1,507.48	22.43	-3.72	0.711
65.00	-11.37	-22.32	0.00	-947.03	0.00	947.03	2,249.69	1,124.84	2,815.52	1,409.85	26.52	-4.08	0.677
70.00	-10.63	-21.37	0.00	-835.46	0.00	835.46	2,163.06	1,081.53	2,601.80	1,302.84	30.98	-4.44	0.647
75.00	-9.93	-20.44	0.00	-728.58	0.00	728.58	2,076.43	1,038.21	2,396.52	1,200.04	35.81	-4.79	0.612
80.00	-9.13	-19.10	0.00	-625.63	0.00	625.63	1,989.80	994.90	2,199.68	1,101.47	41.01	-5.13	0.573
85.00	-8.51	-18.16	0.00	-530.14	0.00	530.14	1,903.17	951.59	2,011.27	1,007.13	46.56	-5.46	0.531
88.13	-8.14	-17.58	0.00	-473.39	0.00	473.39	1,849.03	924.51	1,897.79	950.31	50.20	-5.67	0.503
90.00	-7.80	-17.22	0.00	-440.43	0.00	440.43	1,816.54	908.27	1,831.29	917.01	52.44	-5.79	0.485
91.88	-7.45	-16.87	0.00	-408.14	0.00	408.14	1,456.00	728.00	1,478.84	740.52	54.74	-5.91	0.557
95.00	-7.13	-16.30	0.00	-355.42	0.00	355.42	1,417.09	708.55	1,396.21	699.14	58.67	-6.11	0.514
98.00	-6.69	-15.24	0.00	-306.51	0.00	306.51	1,375.51	687.75	1,315.06	658.51	62.57	-6.31	0.471
100.00	-6.48	-14.92	0.00	-276.02	0.00	276.02	1,347.79	673.89	1,262.31	632.09	65.23	-6.44	0.442
104.00	-4.52	-10.15	0.00	-210.66	0.00	210.66	1,292.34	646.17	1,160.06	580.89	70.72	-6.67	0.366
105.00	-4.42	-10.09	0.00	-200.51	0.00	200.51	1,278.48	639.24	1,135.17	568.43	72.12	-6.73	0.356
110.00	-4.02	-9.75	0.00	-150.08	0.00	150.08	1,209.18	604.59	1,014.77	508.14	79.28	-6.97	0.299
115.00	-3.64	-9.42	0.00	-101.33	0.00	101.33	1,139.88	569.94	901.12	451.23	86.68	-7.18	0.228
119.00	-2.03	-6.39	0.00	-63.66	0.00	63.66	1,084.44	542.22	815.07	408.14	92.74	-7.31	0.158
120.00	-1.97	-6.33	0.00	-57.27	0.00	57.27	1,070.57	535.29	794.22	397.70	94.27	-7.34	0.146
125.00	-1.64	-4.52	0.00	-25.60	0.00	25.60	1,001.27	500.64	694.07	347.55	101.99	-7.43	0.075
126.00	0.00	-4.27	0.00	-21.09	0.00	21.09	987.41	493.71	674.85	337.93	103.54	-7.45	0.062

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

Shaft Segment Forces (Factored)

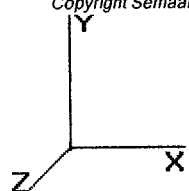
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.00	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.682	0.000	1.200 *	1.24	5.00	20.037	24.04	112.6	354.5	1,436.8
10.00		1.00	0.70	4.256	4.682	0.000	1.200 *	1.33	5.00	19.614	23.54	110.2	370.9	1,424.6
15.00		1.00	0.70	4.256	4.682	0.000	1.200 *	1.38	5.00	19.163	23.00	107.7	376.5	1,401.6
20.00		1.00	0.70	4.256	4.682	0.000	1.200 *	1.42	5.00	18.699	22.44	105.0	377.3	1,373.9
25.00		1.00	0.70	4.256	4.682	0.000	1.200 *	1.45	5.00	18.228	21.87	102.4	375.4	1,343.4
30.00		1.00	0.70	4.260	4.686	0.000	1.200 *	1.48	5.00	17.753	21.30	99.8	371.6	1,311.0
35.00		1.00	0.73	4.451	4.897	0.000	1.200 *	1.50	5.00	17.275	20.73	101.5	366.5	1,277.3
40.00		1.00	0.76	4.625	5.087	0.000	1.200 *	1.52	5.00	16.795	20.15	102.5	360.3	1,242.6
43.50	Bot - Section 2	1.00	0.77	4.737	5.210	0.000	1.200 *	1.54	3.50	11.468	13.76	71.7	248.9	849.5
45.00		1.00	0.78	4.783	5.261	0.000	1.200 *	1.54	1.50	4.921	5.90	31.1	107.8	576.0
48.50	Top - Section 1	1.00	0.80	4.886	5.375	0.000	1.200 *	1.55	3.50	11.315	13.58	73.0	247.9	1,322.1
50.00		1.00	0.81	4.929	5.422	0.000	1.200 *	1.56	1.50	4.776	5.73	31.1	105.6	313.5
55.00		1.00	0.83	5.065	5.572	0.000	1.200 *	1.57	5.00	15.608	18.73	104.4	343.7	1,021.5
60.00		1.00	0.85	5.193	5.712	0.000	1.200 *	1.59	5.00	15.122	18.15	103.6	335.2	989.1
65.00		1.00	0.87	5.313	5.844	0.000	1.200 *	1.60	5.00	14.635	17.56	102.6	326.2	956.3
70.00		1.00	0.89	5.426	5.969	0.000	1.200 *	1.61	5.00	14.148	16.98	101.3	316.8	923.1
75.00		1.00	0.91	5.534	6.088	0.000	1.200 *	1.62	5.00	13.660	16.39	99.8	307.1	889.6
80.00	Appertunance(s)	1.00	0.92	5.637	6.201	0.000	1.200 *	1.63	5.00	13.171	15.81	98.0	297.1	855.8
85.00		1.00	0.94	5.736	6.309	0.000	1.200 *	1.64	5.00	12.682	15.22	96.0	286.9	821.8
88.13	Bot - Section 3	1.00	0.95	5.795	6.375	0.000	1.200 *	1.65	3.13	7.677	9.21	58.7	175.2	497.4
90.00		1.00	0.95	5.830	6.413	0.000	1.200 *	1.65	1.88	4.593	5.51	35.4	105.6	449.0
91.88	Top - Section 2	1.00	0.96	5.865	6.451	0.000	1.200 *	1.66	1.88	4.524	5.43	35.0	104.1	441.5
95.00		1.00	0.97	5.921	6.513	0.000	1.200 *	1.66	3.13	7.388	8.87	57.7	169.3	416.4
98.00	Appertunance(s)	1.00	0.98	5.974	6.571	0.000	1.200 *	1.67	3.00	6.913	8.30	54.5	158.7	388.9
100.0		1.00	0.98	6.008	6.609	0.000	1.200 *	1.67	2.00	4.510	5.41	35.8	104.0	253.7
104.0	Appertunance(s)	1.00	0.99	6.076	6.684	0.000	1.200 *	1.68	4.00	8.786	10.54	70.5	201.0	491.2
105.0		1.00	1.00	6.093	6.702	0.000	1.200	1.68	1.00	2.147	2.58	17.3	49.8	120.5
110.0		1.00	1.01	6.174	6.792	0.000	1.200	1.69	5.00	10.443	12.53	85.1	237.8	579.6
115.0		1.00	1.02	6.253	6.879	0.000	1.200	1.69	5.00	9.952	11.94	82.1	226.4	549.2
119.0	Appertunance(s)	1.00	1.03	6.315	6.946	0.000	1.200 *	1.70	4.00	7.607	9.13	63.4	173.8	418.3
120.0		1.00	1.04	6.330	6.963	0.000	1.200	1.70	1.00	1.852	2.22	15.5	43.0	102.2
125.0	Appertunance(s)	1.00	1.05	6.404	7.044	0.000	1.200	1.71	5.00	8.969	10.76	75.8	203.2	487.9
126.0	Appertunance(s)	1.00	1.05	6.419	7.060	0.000	1.200	1.71	1.00	1.734	2.08	14.7	40.2	94.8
								Totals:	126.00			2,455.8	7,868.1	25,620.0

* = Cf Adjusted By Linear Load Ra Effect

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 23 Iterations

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

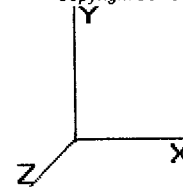
Discrete Appurtenance Segment Forces (Factored)

Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
80.00	BCD-87010	1	5.745	6.320	1.00	1.00	6.51	0.000	5.500	41.17	0.00	226.42	156.07
80.00	Pipe Mount	1	5.637	6.201	1.00	1.00	7.76	0.000	0.000	48.10	0.00	0.00	223.83
98.00	RCU	3	5.974	6.571	0.80	0.80	0.84	0.000	0.000	5.52	0.00	0.00	32.00
98.00	Kathrein 800 10504	3	5.974	6.571	0.60	0.80	7.66	0.000	0.000	50.35	0.00	0.00	295.21
98.00	Flush Mounts	3	5.974	6.571	0.56	0.75	6.76	0.000	0.000	44.43	0.00	0.00	397.05
104.0	Powerwave	6	6.109	6.720	0.60	0.80	27.52	0.000	2.000	184.92	0.00	369.83	1,150.77
104.0	KMW AM-X-CD-14-65-	3	6.109	6.720	0.61	0.80	10.83	0.000	2.000	72.78	0.00	145.56	507.78
104.0	Ravcap DC6-48-60-18-	1	6.109	6.720	0.80	0.80	2.26	0.000	2.000	15.20	0.00	30.40	127.05
104.0	Powerwave LGP21401	12	6.109	6.720	0.54	0.80	9.94	0.000	2.000	66.78	0.00	133.57	586.87
104.0	Ericsson RRUS 11	6	6.109	6.720	0.60	0.80	11.50	0.000	2.000	77.30	0.00	154.61	827.36
104.0	Low Profile Platform	1	6.076	6.684	1.00	1.00	37.09	0.000	0.000	247.93	0.00	0.00	2,225.87
119.0	RFS APX16DWV-	3	6.315	6.946	0.60	0.80	13.83	0.000	0.000	96.06	0.00	0.00	549.92
119.0	Ericsson KRY 112 71	6	6.315	6.946	0.54	0.80	3.03	0.000	0.000	21.07	0.00	0.00	239.65
119.0	Andrew	3	6.315	6.946	0.54	0.80	1.11	0.000	0.000	7.74	0.00	0.00	92.69
119.0	RFS APX16PV-16PVL-	3	6.315	6.946	0.60	0.80	12.75	0.000	0.000	88.58	0.00	0.00	518.91
119.0	Low Profile Platform	1	6.315	6.946	1.00	1.00	37.33	0.000	0.000	259.27	0.00	0.00	2,234.36
125.0	Draaonwave A-ANT-	1	6.404	7.044	1.00	1.00	2.35	0.000	0.000	16.59	0.00	0.00	46.15
125.0	Clearwire Mount	1	6.404	7.044	1.00	1.00	15.49	0.000	0.000	109.13	0.00	0.00	70.90
125.0	DragonWave Horizon	2	6.404	7.044	0.80	0.80	1.05	0.000	0.000	7.38	0.00	0.00	84.44
125.0	Argus LLPX310R	3	6.404	7.044	0.56	0.80	8.69	0.000	0.000	61.21	0.00	0.00	419.27
125.0	Dragonwave A-ANT-	1	6.404	7.044	1.00	1.00	5.94	0.000	0.000	41.87	0.00	0.00	88.82
125.0	NextNet BTS-2500	3	6.404	7.044	0.58	0.80	4.12	0.000	0.000	29.02	0.00	0.00	293.37
126.0	72"x12" Panels	3	6.490	7.139	0.56	0.75	15.87	0.000	5.000	113.31	0.00	566.56	725.08
126.0	48"x12" Panels	9	6.490	7.139	0.56	0.75	30.55	0.000	5.000	218.08	0.00	1,090.39	1,498.68
126.0	Platform with Handra	1	6.490	7.139	1.00	1.00	50.19	0.000	5.000	358.32	0.00	1,791.58	3,349.47
										2,282.10			16,741.59

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 23 Iterations

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

Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	F X (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	1.85	2.22	4.256	0.242	0.000	10.40	106.14
5.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.69	3.22	4.256	0.242	0.000	15.08	202.85
5.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.22	1.46	4.256	0.242	0.000	6.84	12.11
5.00	(2) 8AWG7	Yes	5.00	1.200	1.98	1.86	2.23	4.256	0.242	0.000	10.45	41.66
5.00	(1) RG6	Yes	5.00	1.200	0.28	1.15	1.38	4.256	0.242	0.000	6.47	10.96
5.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	1.86	2.23	4.256	0.242	0.000	10.45	106.14
5.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.22	1.46	4.256	0.242	0.000	6.84	17.48
10.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	1.93	2.31	4.256	0.249	0.000	10.82	111.66
10.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.76	3.31	4.256	0.249	0.000	15.50	212.49
10.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.29	1.55	4.256	0.249	0.000	7.26	13.66
10.00	(2) 8AWG7	Yes	5.00	1.200	1.98	1.93	2.32	4.256	0.249	0.000	10.87	44.44
10.00	(1) RG6	Yes	5.00	1.200	0.28	1.23	1.47	4.256	0.249	0.000	6.89	12.45
10.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	1.93	2.32	4.256	0.249	0.000	10.87	111.66
10.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.29	1.55	4.256	0.249	0.000	7.26	19.34
15.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	1.97	2.37	4.256	0.255	0.000	11.08	115.12
15.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.81	3.37	4.256	0.255	0.000	15.76	218.49
15.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.34	1.61	4.256	0.255	0.000	7.52	14.67
15.00	(2) 8AWG7	Yes	5.00	1.200	1.98	1.98	2.38	4.256	0.255	0.000	11.12	46.20
15.00	(1) RG6	Yes	5.00	1.200	0.28	1.27	1.53	4.256	0.255	0.000	7.15	13.43
15.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	1.98	2.38	4.256	0.255	0.000	11.12	115.12
15.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.34	1.61	4.256	0.255	0.000	7.52	20.53
20.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.01	2.41	4.256	0.263	0.000	11.27	117.68
20.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.84	3.41	4.256	0.263	0.000	15.95	222.93
20.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.37	1.65	4.256	0.263	0.000	7.71	15.44
20.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.01	2.42	4.256	0.263	0.000	11.31	47.52
20.00	(1) RG6	Yes	5.00	1.200	0.28	1.31	1.57	4.256	0.263	0.000	7.33	14.17
20.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.01	2.42	4.256	0.263	0.000	11.31	117.68
20.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.37	1.65	4.256	0.263	0.000	7.71	21.44
25.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.03	2.44	4.256	0.270	0.000	11.42	119.74
25.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.87	3.44	4.256	0.270	0.000	16.10	226.47
25.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.40	1.68	4.256	0.270	0.000	7.86	16.06
25.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.04	2.45	4.256	0.270	0.000	11.46	48.58
25.00	(1) RG6	Yes	5.00	1.200	0.28	1.33	1.60	4.256	0.270	0.000	7.49	14.77
25.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.04	2.45	4.256	0.270	0.000	11.46	119.74
25.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.40	1.68	4.256	0.270	0.000	7.86	22.17
30.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.05	2.47	4.260	0.279	0.000	11.55	121.46
30.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.89	3.47	4.260	0.279	0.000	16.24	229.43
30.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.42	1.71	4.260	0.279	0.000	7.99	16.59
30.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.06	2.48	4.260	0.279	0.000	11.60	49.48
30.00	(1) RG6	Yes	5.00	1.200	0.28	1.35	1.63	4.260	0.279	0.000	7.62	15.28
30.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.06	2.48	4.260	0.279	0.000	11.60	121.46
30.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.42	1.71	4.260	0.279	0.000	7.99	22.79
35.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.07	2.49	4.451	0.287	0.000	12.19	122.95
35.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.91	3.49	4.451	0.287	0.000	17.08	231.99
35.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.44	1.73	4.451	0.287	0.000	8.47	17.05
35.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.08	2.50	4.451	0.287	0.000	12.24	50.25
35.00	(1) RG6	Yes	5.00	1.200	0.28	1.37	1.65	4.451	0.287	0.000	8.07	15.73
35.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.08	2.50	4.451	0.287	0.000	12.24	122.95
35.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.44	1.73	4.451	0.287	0.000	8.47	23.33
40.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.09	2.51	4.625	0.296	0.000	12.76	124.26
40.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.92	3.51	4.625	0.296	0.000	17.85	234.24

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

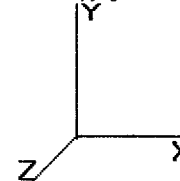
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 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		

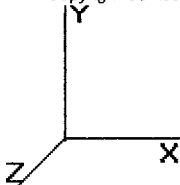
40.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.46	1.75	4.625	0.296	0.000	8.90	17.46
40.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.10	2.52	4.625	0.296	0.000	12.81	50.94
40.00	(1) RG6	Yes	5.00	1.200	0.28	1.39	1.67	4.625	0.296	0.000	8.49	16.12
40.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.10	2.52	4.625	0.296	0.000	12.81	124.26
40.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.46	1.75	4.625	0.296	0.000	8.90	23.81
43.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.96	1.47	1.77	4.737	0.305	0.000	9.20	87.57
43.50	(12) 1 5/8" Coax	Yes	3.50	1.200	3.96	2.05	2.47	4.737	0.305	0.000	12.85	164.97
43.50	(1) 3/8" Coax	Yes	3.50	1.200	0.44	1.03	1.23	4.737	0.305	0.000	6.43	12.41
43.50	(2) 8AWG7	Yes	3.50	1.200	1.98	1.48	1.77	4.737	0.305	0.000	9.23	35.97
43.50	(1) RG6	Yes	3.50	1.200	0.28	0.98	1.18	4.737	0.305	0.000	6.13	11.47
43.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.98	1.48	1.77	4.737	0.305	0.000	9.23	87.57
43.50	(3) 3/8" Coax	Yes	3.50	1.200	0.44	1.03	1.23	4.737	0.305	0.000	6.43	16.88
45.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.96	0.63	0.76	4.783	0.310	0.000	3.99	37.63
45.00	(12) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.88	1.06	4.783	0.310	0.000	5.57	70.88
45.00	(1) 3/8" Coax	Yes	1.50	1.200	0.44	0.44	0.53	4.783	0.310	0.000	2.79	5.35
45.00	(2) 8AWG7	Yes	1.50	1.200	1.98	0.63	0.76	4.783	0.310	0.000	4.00	15.47
45.00	(1) RG6	Yes	1.50	1.200	0.28	0.42	0.51	4.783	0.310	0.000	2.66	4.95
45.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.98	0.63	0.76	4.783	0.310	0.000	4.00	37.63
45.00	(3) 3/8" Coax	Yes	1.50	1.200	0.44	0.44	0.53	4.783	0.310	0.000	2.79	7.27
48.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.96	1.48	1.78	4.886	0.315	0.000	9.55	88.34
48.50	(12) 1 5/8" Coax	Yes	3.50	1.200	3.96	2.06	2.48	4.886	0.315	0.000	13.31	166.28
48.50	(1) 3/8" Coax	Yes	3.50	1.200	0.44	1.04	1.25	4.886	0.315	0.000	6.69	12.65
48.50	(2) 8AWG7	Yes	3.50	1.200	1.98	1.49	1.78	4.886	0.315	0.000	9.59	36.37
48.50	(1) RG6	Yes	3.50	1.200	0.28	0.99	1.19	4.886	0.315	0.000	6.39	11.70
48.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.98	1.49	1.78	4.886	0.315	0.000	9.59	88.34
48.50	(3) 3/8" Coax	Yes	3.50	1.200	0.44	1.04	1.25	4.886	0.315	0.000	6.69	17.17
50.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.96	0.64	0.76	4.929	0.315	0.000	4.14	37.95
50.00	(12) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.89	1.06	4.929	0.315	0.000	5.76	71.42
50.00	(1) 3/8" Coax	Yes	1.50	1.200	0.44	0.45	0.54	4.929	0.315	0.000	2.90	5.45
50.00	(2) 8AWG7	Yes	1.50	1.200	1.98	0.64	0.77	4.929	0.315	0.000	4.15	15.64
50.00	(1) RG6	Yes	1.50	1.200	0.28	0.43	0.51	4.929	0.315	0.000	2.77	5.04
50.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.98	0.64	0.77	4.929	0.315	0.000	4.15	37.95
50.00	(3) 3/8" Coax	Yes	1.50	1.200	0.44	0.45	0.54	4.929	0.315	0.000	2.90	7.39
55.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.13	2.56	5.065	0.322	0.000	14.26	127.49
55.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.97	3.56	5.065	0.322	0.000	19.83	239.75
55.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.50	1.80	5.065	0.322	0.000	10.02	18.48
55.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.14	2.57	5.065	0.322	0.000	14.31	52.64
55.00	(1) RG6	Yes	5.00	1.200	0.28	1.43	1.72	5.065	0.322	0.000	9.58	17.12
55.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.14	2.57	5.065	0.322	0.000	14.31	127.49
55.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.50	1.80	5.065	0.322	0.000	10.02	25.01
60.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.14	2.57	5.193	0.333	0.000	14.69	128.39
60.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.98	3.57	5.193	0.333	0.000	20.40	241.29
60.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.51	1.81	5.193	0.333	0.000	10.35	18.77
60.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.15	2.58	5.193	0.333	0.000	14.75	53.12
60.00	(1) RG6	Yes	5.00	1.200	0.28	1.44	1.73	5.193	0.333	0.000	9.90	17.40
60.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.15	2.58	5.193	0.333	0.000	14.75	128.39
60.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.51	1.81	5.193	0.333	0.000	10.35	25.34
65.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.15	2.59	5.313	0.346	0.000	15.11	129.23
65.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	2.99	3.59	5.313	0.346	0.000	20.95	242.73
65.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.52	1.83	5.313	0.346	0.000	10.67	19.05
65.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.16	2.60	5.313	0.346	0.000	15.17	53.57
65.00	(1) RG6	Yes	5.00	1.200	0.28	1.45	1.75	5.313	0.346	0.000	10.20	17.66
65.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.16	2.60	5.313	0.346	0.000	15.17	129.23
65.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.52	1.83	5.313	0.346	0.000	10.67	25.66
70.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.16	2.60	5.426	0.359	0.000	15.50	130.02
70.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.00	3.60	5.426	0.359	0.000	21.47	244.06
70.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.53	1.84	5.426	0.359	0.000	10.97	19.30

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 23 Iterations

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

70.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.17	2.61	5.426	0.359	0.000	15.56	53.99
70.00	(1) RG6	Yes	5.00	1.200	0.28	1.46	1.76	5.426	0.359	0.000	10.49	17.91
70.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.17	2.61	5.426	0.359	0.000	15.56	130.02
70.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.53	1.84	5.426	0.359	0.000	10.97	25.96
75.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.17	2.61	5.534	0.374	0.000	15.88	130.76
75.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.01	3.61	5.534	0.374	0.000	21.97	245.32
75.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.54	1.85	5.534	0.374	0.000	11.25	19.54
75.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.18	2.62	5.534	0.374	0.000	15.94	54.38
75.00	(1) RG6	Yes	5.00	1.200	0.28	1.47	1.77	5.534	0.374	0.000	10.77	18.14
75.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.18	2.62	5.534	0.374	0.000	15.94	130.76
75.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.54	1.85	5.534	0.374	0.000	11.25	26.23
80.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.18	2.62	5.637	0.390	0.000	16.24	131.46
80.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.02	3.62	5.637	0.390	0.000	22.44	246.50
80.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.55	1.86	5.637	0.390	0.000	11.53	19.77
80.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.19	2.63	5.637	0.390	0.000	16.30	54.76
80.00	(1) RG6	Yes	5.00	1.200	0.28	1.48	1.78	5.637	0.390	0.000	11.03	18.37
80.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.19	2.63	5.637	0.390	0.000	16.30	131.46
80.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.55	1.86	5.637	0.390	0.000	11.53	26.50
85.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	2.19	2.63	5.736	0.407	0.000	16.59	132.12
85.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.02	3.63	5.736	0.407	0.000	22.90	247.63
85.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	1.56	1.87	5.736	0.407	0.000	11.79	19.99
85.00	(2) 8AWG7	Yes	5.00	1.200	1.98	2.20	2.64	5.736	0.407	0.000	16.65	55.11
85.00	(1) RG6	Yes	5.00	1.200	0.28	1.49	1.79	5.736	0.407	0.000	11.29	18.58
85.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	2.20	2.64	5.736	0.407	0.000	16.65	132.12
85.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	1.56	1.87	5.736	0.407	0.000	11.79	26.75
88.13	(6) 1 5/8" Coax	Yes	3.13	1.200	1.96	1.37	1.65	5.795	0.422	0.000	10.50	82.82
88.13	(12) 1 5/8" Coax	Yes	3.13	1.200	3.96	1.89	2.27	5.795	0.422	0.000	14.48	155.19
88.13	(1) 3/8" Coax	Yes	3.13	1.200	0.44	0.98	1.17	5.795	0.422	0.000	7.47	12.57
88.13	(2) 8AWG7	Yes	3.13	1.200	1.98	1.38	1.65	5.795	0.422	0.000	10.54	34.58
88.13	(1) RG6	Yes	3.13	1.200	0.28	0.93	1.12	5.795	0.422	0.000	7.15	11.69
88.13	(6) 1 5/8" Coax	Yes	3.13	1.200	1.98	1.38	1.65	5.795	0.422	0.000	10.54	82.82
88.13	(3) 3/8" Coax	Yes	3.13	1.200	0.44	0.98	1.17	5.795	0.422	0.000	7.47	16.81
90.00	(6) 1 5/8" Coax	Yes	1.88	1.200	1.96	0.82	0.99	5.830	0.432	0.000	6.35	49.78
90.00	(12) 1 5/8" Coax	Yes	1.88	1.200	3.96	1.14	1.36	5.830	0.432	0.000	8.75	93.26
90.00	(1) 3/8" Coax	Yes	1.88	1.200	0.44	0.59	0.70	5.830	0.432	0.000	4.52	7.57
90.00	(2) 8AWG7	Yes	1.88	1.200	1.98	0.83	0.99	5.830	0.432	0.000	6.37	20.79
90.00	(1) RG6	Yes	1.88	1.200	0.28	0.56	0.67	5.830	0.432	0.000	4.32	7.04
90.00	(6) 1 5/8" Coax	Yes	1.88	1.200	1.98	0.83	0.99	5.830	0.432	0.000	6.37	49.78
90.00	(3) 3/8" Coax	Yes	1.88	1.200	0.44	0.59	0.70	5.830	0.432	0.000	4.52	10.12
91.88	(6) 1 5/8" Coax	Yes	1.88	1.200	1.96	0.83	0.99	5.865	0.439	0.000	6.39	49.86
91.88	(12) 1 5/8" Coax	Yes	1.88	1.200	3.96	1.14	1.37	5.865	0.439	0.000	8.81	93.40
91.88	(1) 3/8" Coax	Yes	1.88	1.200	0.44	0.59	0.71	5.865	0.439	0.000	4.55	7.60
91.88	(2) 8AWG7	Yes	1.88	1.200	1.98	0.83	0.99	5.865	0.439	0.000	6.42	20.84
91.88	(1) RG6	Yes	1.88	1.200	0.28	0.56	0.68	5.865	0.439	0.000	4.36	7.07
91.88	(6) 1 5/8" Coax	Yes	1.88	1.200	1.98	0.83	0.99	5.865	0.439	0.000	6.42	49.86
91.88	(3) 3/8" Coax	Yes	1.88	1.200	0.44	0.59	0.71	5.865	0.439	0.000	4.55	10.15
95.00	(6) 1 5/8" Coax	Yes	3.13	1.200	1.96	1.38	1.65	5.921	0.441	0.000	10.78	83.34
95.00	(12) 1 5/8" Coax	Yes	3.13	1.200	3.96	1.90	2.28	5.921	0.441	0.000	14.85	156.06
95.00	(1) 3/8" Coax	Yes	3.13	1.200	0.44	0.98	1.18	5.921	0.441	0.000	7.68	12.75
95.00	(2) 8AWG7	Yes	3.13	1.200	1.98	1.38	1.66	5.921	0.441	0.000	10.82	34.86
95.00	(1) RG6	Yes	3.13	1.200	0.28	0.94	1.13	5.921	0.441	0.000	7.36	11.86
95.00	(6) 1 5/8" Coax	Yes	3.13	1.200	1.98	1.38	1.66	5.921	0.441	0.000	10.82	83.34
95.00	(3) 3/8" Coax	Yes	3.13	1.200	0.44	0.98	1.18	5.921	0.441	0.000	7.68	17.01
98.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.96	1.33	1.59	5.974	0.454	0.000	10.46	80.21
98.00	(12) 1 5/8" Coax	Yes	3.00	1.200	3.96	1.83	2.19	5.974	0.454	0.000	14.40	150.17
98.00	(1) 3/8" Coax	Yes	3.00	1.200	0.44	0.95	1.14	5.974	0.454	0.000	7.46	12.31
98.00	(2) 8AWG7	Yes	3.00	1.200	1.98	1.33	1.60	5.974	0.454	0.000	10.50	33.57

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

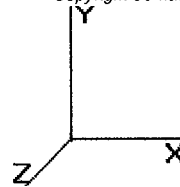
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 0.75 in Radial Ice 23 Iterations

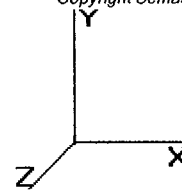
Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20 Ice Importance Factor : 1.00
 Wind Load Factor : 1.00

98.00	(1) RG6	Yes	3.00	1.200	0.28	0.91	1.09	5.974	0.454	0.000	7.15	11.45
98.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	1.33	1.60	5.974	0.454	0.000	10.50	80.21
98.00	(3) 3/8" Coax	Yes	3.00	1.200	0.44	0.95	1.14	5.974	0.454	0.000	7.46	16.41
100.0	(6) 1 5/8" Coax	Yes	2.00	1.200	1.96	0.89	1.06	6.008	0.364	0.000	7.02	53.57
100.0	(12) 1 5/8" Coax	Yes	2.00	1.200	3.96	1.22	1.46	6.008	0.364	0.000	9.67	100.27
100.0	(1) 3/8" Coax	Yes	2.00	1.200	0.44	0.63	0.76	6.008	0.364	0.000	5.01	8.23
100.0	(2) 8AWG7	Yes	2.00	1.200	1.98	0.89	1.07	6.008	0.364	0.000	7.05	22.43
100.0	(1) RG6	Yes	2.00	1.200	0.28	0.61	0.73	6.008	0.364	0.000	4.80	7.66
104.0	(6) 1 5/8" Coax	Yes	4.00	1.200	1.96	1.77	2.13	6.076	0.375	0.000	14.24	107.48
104.0	(12) 1 5/8" Coax	Yes	4.00	1.200	3.96	2.44	2.93	6.076	0.375	0.000	19.58	201.13
104.0	(1) 3/8" Coax	Yes	4.00	1.200	0.44	1.27	1.52	6.076	0.375	0.000	10.17	16.58
104.0	(2) 8AWG7	Yes	4.00	1.200	1.98	1.78	2.14	6.076	0.375	0.000	14.29	45.05
104.0	(1) RG6	Yes	4.00	1.200	0.28	1.21	1.46	6.076	0.375	0.000	9.74	15.44
105.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.96	0.44	0.00	6.093	0.088	0.000	0.00	26.89
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.96	2.23	0.00	6.174	0.090	0.000	0.00	134.98
115.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.96	2.23	0.00	6.253	0.096	0.000	0.00	135.49
119.0	(6) 1 5/8" Coax	Yes	4.00	0.000	1.96	1.79	0.00	6.315	0.101	1.003	0.00	108.70
Totals:											1,855.61	12,626.88

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

Applied Segment Forces Summary

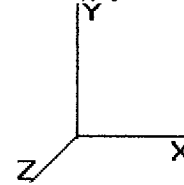
Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	179.11	2,100.65	0.00	0.00
10.00	179.66	2,116.82	0.00	0.00
15.00	178.93	2,111.72	0.00	0.00
20.00	177.65	2,097.27	0.00	0.00
25.00	176.06	2,077.44	0.00	0.00
30.00	174.42	2,054.04	0.00	0.00
35.00	180.25	2,028.10	0.00	0.00
40.00	185.05	2,000.25	0.00	0.00
43.50	131.20	1,382.88	0.00	0.00
45.00	56.87	805.19	0.00	0.00
48.50	134.80	1,859.56	0.00	0.00
50.00	57.85	544.34	0.00	0.00
55.00	196.67	1,796.01	0.00	0.00
60.00	198.85	1,768.35	0.00	0.00
65.00	200.56	1,739.95	0.00	0.00
70.00	201.86	1,710.91	0.00	0.00
75.00	202.79	1,681.30	0.00	0.00
80.00	292.65	2,031.08	0.00	226.42
85.00	203.67	1,618.63	0.00	0.00
88.13	126.87	996.78	0.00	0.00
90.00	76.54	749.04	0.00	0.00
91.88	76.52	741.98	0.00	0.00
95.00	127.72	918.51	0.00	0.00
98.00	222.74	1,596.21	0.00	0.00
100.0	69.32	511.69	0.00	0.00
104.0	803.40	6,434.24	0.00	833.97
105.0	17.27	180.26	0.00	0.00
110.0	85.11	879.16	0.00	0.00
115.0	82.14	849.24	0.00	0.00
119.0	536.12	4,294.16	0.00	0.00
120.0	15.48	123.30	0.00	0.00
125.0	341.01	1,596.38	0.00	0.00
126.0	704.40	5,679.85	0.00	3,448.53
Totals:	6,593.54	59,075.28	0.00	4,508.92

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 0.75 in Radial Ice	23 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

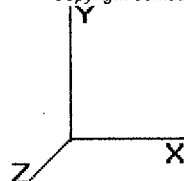
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-59.07	-6.62	0.00	-572.01	0.00	572.01	3,765.29	1,882.65	6,978.46	3,494.42	0.00	0.00	0.179
5.00	-56.96	-6.50	0.00	-538.90	0.00	538.90	3,697.80	1,848.90	6,673.37	3,341.64	0.03	-0.06	0.177
10.00	-54.84	-6.37	0.00	-506.40	0.00	506.40	3,628.68	1,814.34	6,371.97	3,190.72	0.12	-0.12	0.174
15.00	-52.72	-6.24	0.00	-474.53	0.00	474.53	3,557.92	1,778.96	6,074.51	3,041.77	0.27	-0.17	0.171
20.00	-50.62	-6.11	0.00	-443.31	0.00	443.31	3,485.52	1,742.76	5,781.22	2,894.91	0.49	-0.24	0.168
25.00	-48.54	-5.98	0.00	-412.75	0.00	412.75	3,411.48	1,705.74	5,492.34	2,750.25	0.77	-0.30	0.164
30.00	-46.48	-5.84	0.00	-382.85	0.00	382.85	3,335.81	1,667.90	5,208.12	2,607.93	1.11	-0.36	0.161
35.00	-44.45	-5.70	0.00	-353.63	0.00	353.63	3,258.50	1,629.25	4,928.79	2,468.06	1.52	-0.42	0.157
40.00	-42.44	-5.54	0.00	-325.13	0.00	325.13	3,158.60	1,579.30	4,623.93	2,315.40	2.00	-0.49	0.154
43.50	-41.06	-5.42	0.00	-305.74	0.00	305.74	3,085.84	1,542.92	4,412.25	2,209.40	2.37	-0.53	0.152
45.00	-40.25	-5.38	0.00	-297.62	0.00	297.62	3,054.65	1,527.33	4,323.05	2,164.74	2.54	-0.55	0.151
48.50	-38.39	-5.25	0.00	-278.79	0.00	278.79	2,457.75	1,228.87	3,470.74	1,737.95	2.96	-0.60	0.176
50.00	-37.84	-5.21	0.00	-270.92	0.00	270.92	2,439.67	1,219.84	3,409.59	1,707.33	3.16	-0.62	0.174
55.00	-36.04	-5.04	0.00	-244.85	0.00	244.85	2,378.35	1,189.18	3,208.11	1,606.44	3.84	-0.69	0.168
60.00	-34.27	-4.87	0.00	-219.63	0.00	219.63	2,315.40	1,157.70	3,010.48	1,507.48	4.61	-0.77	0.161
65.00	-32.52	-4.68	0.00	-195.29	0.00	195.29	2,249.69	1,124.84	2,815.52	1,409.85	5.45	-0.84	0.153
70.00	-30.81	-4.50	0.00	-171.87	0.00	171.87	2,163.06	1,081.53	2,601.80	1,302.84	6.37	-0.91	0.146
75.00	-29.13	-4.30	0.00	-149.40	0.00	149.40	2,076.43	1,038.21	2,396.52	1,200.04	7.37	-0.99	0.139
80.00	-27.10	-4.00	0.00	-127.67	0.00	127.67	1,989.80	994.90	2,199.68	1,101.47	8.44	-1.06	0.130
85.00	-25.48	-3.79	0.00	-107.64	0.00	107.64	1,903.17	951.59	2,011.27	1,007.13	9.58	-1.12	0.120
88.13	-24.48	-3.66	0.00	-95.79	0.00	95.79	1,849.03	924.51	1,897.79	950.31	10.33	-1.17	0.114
90.00	-23.74	-3.58	0.00	-88.92	0.00	88.92	1,816.54	908.27	1,831.29	917.01	10.79	-1.19	0.110
91.88	-22.99	-3.50	0.00	-82.21	0.00	82.21	1,456.00	728.00	1,478.84	740.52	11.27	-1.21	0.127
95.00	-22.08	-3.37	0.00	-71.27	0.00	71.27	1,417.09	708.55	1,396.21	699.14	12.07	-1.25	0.118
98.00	-20.48	-3.12	0.00	-61.16	0.00	61.16	1,375.51	687.75	1,315.06	658.51	12.87	-1.29	0.108
100.00	-19.97	-3.05	0.00	-54.92	0.00	54.92	1,347.79	673.89	1,262.31	632.09	13.42	-1.32	0.102
104.00	-13.56	-2.11	0.00	-41.87	0.00	41.87	1,292.34	646.17	1,160.06	580.89	14.55	-1.37	0.083
105.00	-13.37	-2.09	0.00	-39.76	0.00	39.76	1,278.48	639.24	1,135.17	568.43	14.84	-1.38	0.080
110.00	-12.50	-2.00	0.00	-29.30	0.00	29.30	1,209.18	604.59	1,014.77	508.14	16.31	-1.43	0.068
115.00	-11.65	-1.90	0.00	-19.33	0.00	19.33	1,139.88	569.94	901.12	451.23	17.82	-1.47	0.053
119.00	-7.37	-1.25	0.00	-11.74	0.00	11.74	1,084.44	542.22	815.07	408.14	19.06	-1.49	0.036
120.00	-7.25	-1.24	0.00	-10.48	0.00	10.48	1,070.57	535.29	794.22	397.70	19.37	-1.49	0.033
125.00	-5.66	-0.85	0.00	-4.30	0.00	4.30	1,001.27	500.64	694.07	347.55	20.95	-1.51	0.018
126.00	0.00	-0.70	0.00	-3.45	0.00	3.45	987.41	493.71	674.85	337.93	21.26	-1.51	0.010

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
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Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1
 Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	6.129	6.742	193.27	0.650	0.00	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	6.129	6.742	188.28	1.200 *	0.00	5.00	19.002	22.80	153.7	0.0	901.9
10.00		1.00	0.70	6.129	6.742	183.28	1.200 *	0.00	5.00	18.505	22.21	149.7	0.0	878.1
15.00		1.00	0.70	6.129	6.742	178.29	1.200 *	0.00	5.00	18.007	21.61	145.7	0.0	854.3
20.00		1.00	0.70	6.129	6.742	173.30	1.200 *	0.00	5.00	17.510	21.01	141.7	0.0	830.5
25.00		1.00	0.70	6.129	6.742	168.30	1.200 *	0.00	5.00	17.013	20.42	137.6	0.0	806.7
30.00		1.00	0.70	6.134	6.747	163.38	1.200 *	0.00	5.00	16.515	19.82	133.7	0.0	782.9
35.00		1.00	0.73	6.410	7.051	161.91	1.200 *	0.00	5.00	16.018	19.22	135.5	0.0	759.0
40.00		1.00	0.76	6.659	7.325	159.82	1.200 *	0.00	5.00	15.520	18.62	136.4	0.0	735.2
43.50	Bot - Section 2	1.00	0.77	6.821	7.503	158.06	1.200 *	0.00	3.50	10.568	12.68	95.2	0.0	500.5
45.00		1.00	0.78	6.887	7.576	157.24	1.200 *	0.00	1.50	4.534	5.44	41.2	0.0	390.2
48.50	Top - Section 1	1.00	0.80	7.036	7.740	155.19	1.200 *	0.00	3.50	10.405	12.49	96.6	0.0	895.2
50.00		1.00	0.81	7.098	7.807	157.11	1.200 *	0.00	1.50	4.385	5.26	41.1	0.0	173.3
55.00		1.00	0.83	7.294	8.023	153.81	1.200 *	0.00	5.00	14.293	17.15	137.6	0.0	564.8
60.00		1.00	0.85	7.477	8.225	150.22	1.200 *	0.00	5.00	13.795	16.55	136.2	0.0	544.9
65.00		1.00	0.87	7.650	8.415	146.37	1.200 *	0.00	5.00	13.298	15.96	134.3	0.0	525.1
70.00		1.00	0.89	7.814	8.595	142.29	1.200 *	0.00	5.00	12.800	15.36	132.0	0.0	505.3
75.00		1.00	0.91	7.969	8.766	138.00	1.200 *	0.00	5.00	12.303	14.76	129.4	0.0	485.4
80.00	Appertunance(s)	1.00	0.92	8.118	8.930	133.53	1.200 *	0.00	5.00	11.806	14.17	126.5	0.0	465.6
85.00		1.00	0.94	8.260	9.086	128.90	1.200 *	0.00	5.00	11.308	13.57	123.3	0.0	445.8
88.13	Bot - Section 3	1.00	0.95	8.345	9.180	125.92	1.200 *	0.00	3.13	6.815	8.18	75.1	0.0	268.5
90.00		1.00	0.95	8.396	9.235	124.11	1.200 *	0.00	1.88	4.075	4.89	45.2	0.0	286.2
91.88	Top - Section 2	1.00	0.96	8.445	9.290	122.28	1.200 *	0.00	1.88	4.005	4.81	44.6	0.0	281.1
95.00		1.00	0.97	8.526	9.379	121.69	1.200 *	0.00	3.13	6.520	7.82	73.4	0.0	205.9
98.00	Appertunance(s)	1.00	0.98	8.602	9.463	118.68	1.200 *	0.00	3.00	6.076	7.29	69.0	0.0	191.9
100.0		1.00	0.98	8.652	9.517	116.65	1.200 *	0.00	2.00	3.951	4.74	45.1	0.0	124.7
104.0	Appertunance(s)	1.00	0.99	8.750	9.625	112.53	1.200 *	0.00	4.00	7.664	9.20	88.5	0.0	241.8
105.0		1.00	1.00	8.774	9.651	111.49	0.650	0.00	1.00	1.866	1.21	11.7	0.0	58.9
110.0		1.00	1.01	8.891	9.780	106.22	0.650	0.00	5.00	9.033	5.87	57.4	0.0	284.8
115.0		1.00	1.02	9.005	9.905	100.84	0.650	0.00	5.00	8.535	5.55	55.0	0.0	269.0
119.0	Appertunance(s)	1.00	1.03	9.093	10.000	96.475	0.650 *	0.00	4.00	6.470	4.21	42.1	0.0	203.8
120.0		1.00	1.04	9.115	10.02	95.373	0.650	0.00	1.00	1.568	1.02	10.2	0.0	49.4
125.0	Appertunance(s)	1.00	1.05	9.222	10.14	89.805	0.650	0.00	5.00	7.541	4.90	49.7	0.0	237.2
126.0	Appertunance(s)	1.00	1.05	9.243	10.16	88.680	0.650	0.00	1.00	1.448	0.94	9.6	0.0	45.5
* = Cf Adjusted By Linear Load Ra Effect								Totals:	126.00			3,004.0	0.0	14,793.2

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
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 Taper : 0.235121 (in/ft)

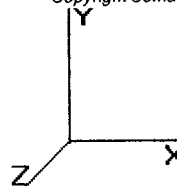
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

23 Iterations

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

Wind Importance Factor : 1.00

Discrete Appurtenance Segment Forces (Factored)

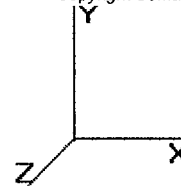
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
80.00	BCD-87010	1	8.273	9.101	1.00	1.00	2.90	0.000	5.500	26.39	0.00	145.16	26.50
80.00	Pipe Mount	1	8.118	8.930	1.00	1.00	5.20	0.000	0.000	46.43	0.00	0.00	150.00
98.00	RCU	3	8.602	9.463	0.80	0.80	0.38	0.000	0.000	3.63	0.00	0.00	3.00
98.00	Kathrein 800 10504	3	8.602	9.463	0.60	0.80	6.03	0.000	0.000	57.06	0.00	0.00	52.80
98.00	Flush Mounts	3	8.602	9.463	0.56	0.75	3.38	0.000	0.000	31.94	0.00	0.00	180.00
104.0	Powerwave	6	8.797	9.677	0.60	0.80	24.44	0.000	2.000	236.55	0.00	473.10	223.20
104.0	KMW AM-X-CD-14-65-	3	8.797	9.677	0.61	0.80	10.03	0.000	2.000	97.08	0.00	194.16	109.20
104.0	Ravcap DC6-48-60-18-	1	8.797	9.677	0.80	0.80	1.18	0.000	2.000	11.38	0.00	22.76	31.80
104.0	Powerwave LGP21401	12	8.797	9.677	0.54	0.80	8.30	0.000	2.000	80.29	0.00	160.59	169.20
104.0	Ericsson RRUS 11	6	8.797	9.677	0.60	0.80	10.76	0.000	2.000	104.16	0.00	208.33	300.00
104.0	Low Profile Platform	1	8.750	9.625	1.00	1.00	20.00	0.000	0.000	192.49	0.00	0.00	1,500.00
119.0	RFS APX16DWV-	3	9.093	10.002	0.60	0.80	13.00	0.000	0.000	129.99	0.00	0.00	122.10
119.0	Ericsson KRY 112 71	6	9.093	10.002	0.54	0.80	2.19	0.000	0.000	21.87	0.00	0.00	79.20
119.0	Andrew	3	9.093	10.002	0.54	0.80	0.76	0.000	0.000	7.56	0.00	0.00	33.00
119.0	RFS APX16PV-16PVL-	3	9.093	10.002	0.60	0.80	11.96	0.000	0.000	119.67	0.00	0.00	118.80
119.0	Low Profile Platform	1	9.093	10.002	1.00	1.00	20.00	0.000	0.000	200.05	0.00	0.00	1,500.00
125.0	Dragonwave A-ANT-	1	9.222	10.144	1.00	1.00	1.61	0.000	0.000	16.33	0.00	0.00	15.00
125.0	Clearwire Mount	1	9.222	10.144	1.00	1.00	8.50	0.000	0.000	86.22	0.00	0.00	40.00
125.0	DragonWave Horizon	2	9.222	10.144	0.80	0.80	0.69	0.000	0.000	6.98	0.00	0.00	21.20
125.0	Argus LLPX310R	3	9.222	10.144	0.56	0.80	8.11	0.000	0.000	82.31	0.00	0.00	85.80
125.0	Dragonwave A-ANT-	1	9.222	10.144	1.00	1.00	4.69	0.000	0.000	47.57	0.00	0.00	27.10
125.0	NextNet BTS-2500	3	9.222	10.144	0.58	0.80	3.71	0.000	0.000	37.68	0.00	0.00	105.00
126.0	72"x12" Panels	3	9.346	10.281	0.56	0.75	14.17	0.000	5.000	145.73	0.00	728.65	135.00
126.0	48"x12" Panels	9	9.346	10.281	0.56	0.75	28.35	0.000	5.000	291.46	0.00	1,457.29	270.00
126.0	Platform with Handra	1	9.346	10.281	1.00	1.00	33.75	0.000	5.000	346.97	0.00	1,734.87	2,000.00
										2,427.82			7,297.90

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

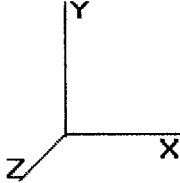
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	F X (lb)	Dead Load (lb)
5.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	6.129	0.242	0.000	6.61	24.60
5.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.242	0.000	13.35	49.19
5.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.242	0.000	1.48	0.40
5.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.242	0.000	6.67	8.20
5.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	6.129	0.242	0.000	0.94	0.14
5.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.242	0.000	6.67	24.60
5.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.242	0.000	1.48	1.20
10.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	6.129	0.249	0.000	6.61	24.60
10.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.249	0.000	13.35	49.19
10.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.249	0.000	1.48	0.40
10.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.249	0.000	6.67	8.20
10.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	6.129	0.249	0.000	0.94	0.14
10.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.249	0.000	6.67	24.60
10.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.249	0.000	1.48	1.20
15.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	6.129	0.255	0.000	6.61	24.60
15.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.255	0.000	13.35	49.19
15.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.255	0.000	1.48	0.40
15.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.255	0.000	6.67	8.20
15.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	6.129	0.255	0.000	0.94	0.14
15.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.255	0.000	6.67	24.60
15.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.255	0.000	1.48	1.20
20.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	6.129	0.263	0.000	6.61	24.60
20.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.263	0.000	13.35	49.19
20.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.263	0.000	1.48	0.40
20.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.263	0.000	6.67	8.20
20.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	6.129	0.263	0.000	0.94	0.14
20.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.263	0.000	6.67	24.60
20.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.263	0.000	1.48	1.20
25.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	6.129	0.270	0.000	6.61	24.60
25.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.270	0.000	13.35	49.19
25.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.270	0.000	1.48	0.40
25.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.270	0.000	6.67	8.20
25.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	6.129	0.270	0.000	0.94	0.14
25.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	6.129	0.270	0.000	6.67	24.60
25.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.129	0.270	0.000	1.48	1.20
30.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	6.134	0.279	0.000	6.61	24.60
30.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.134	0.279	0.000	13.36	49.19
30.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.134	0.279	0.000	1.48	0.40
30.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	6.134	0.279	0.000	6.68	8.20
30.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	6.134	0.279	0.000	0.94	0.14
30.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	6.134	0.279	0.000	6.68	24.60
30.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.134	0.279	0.000	1.48	1.20
35.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	6.410	0.287	0.000	6.91	24.60
35.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.410	0.287	0.000	13.96	49.19
35.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.410	0.287	0.000	1.55	0.40
35.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	6.410	0.287	0.000	6.98	8.20
35.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	6.410	0.287	0.000	0.99	0.14
35.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	6.410	0.287	0.000	6.98	24.60
35.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.410	0.287	0.000	1.55	1.20
40.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	6.659	0.296	0.000	7.18	24.60
40.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.659	0.296	0.000	14.50	49.19

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (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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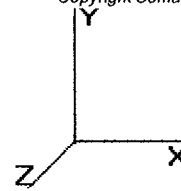
Load Case: 1.0D + 1.0W 60.00 mph Serviceability 23 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.00
 Wind Load Factor : 1.00

40.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.659	0.296	0.000	1.61	0.40
40.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	6.659	0.296	0.000	7.25	8.20
40.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	6.659	0.296	0.000	1.03	0.14
40.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	6.659	0.296	0.000	7.25	24.60
40.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	6.659	0.296	0.000	1.61	1.20
43.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.96	0.57	0.69	6.821	0.305	0.000	5.15	17.22
43.50	(12) 1 5/8" Coax	Yes	3.50	1.200	3.96	1.15	1.39	6.821	0.305	0.000	10.40	34.44
43.50	(1) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	6.821	0.305	0.000	1.16	0.28
43.50	(2) 8AWG7	Yes	3.50	1.200	1.98	0.58	0.69	6.821	0.305	0.000	5.20	5.74
43.50	(1) RG6	Yes	3.50	1.200	0.28	0.08	0.10	6.821	0.305	0.000	0.74	0.10
43.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.98	0.58	0.69	6.821	0.305	0.000	5.20	17.22
43.50	(3) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	6.821	0.305	0.000	1.16	0.84
45.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.96	0.25	0.29	6.887	0.310	0.000	2.23	7.38
45.00	(12) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.50	0.59	6.887	0.310	0.000	4.50	14.76
45.00	(1) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	6.887	0.310	0.000	0.50	0.12
45.00	(2) 8AWG7	Yes	1.50	1.200	1.98	0.25	0.30	6.887	0.310	0.000	2.25	2.46
45.00	(1) RG6	Yes	1.50	1.200	0.28	0.04	0.04	6.887	0.310	0.000	0.32	0.04
45.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.98	0.25	0.30	6.887	0.310	0.000	2.25	7.38
45.00	(3) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	6.887	0.310	0.000	0.50	0.36
48.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.96	0.57	0.69	7.036	0.315	0.000	5.31	17.22
48.50	(12) 1 5/8" Coax	Yes	3.50	1.200	3.96	1.15	1.39	7.036	0.315	0.000	10.73	34.44
48.50	(1) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	7.036	0.315	0.000	1.19	0.28
48.50	(2) 8AWG7	Yes	3.50	1.200	1.98	0.58	0.69	7.036	0.315	0.000	5.36	5.74
48.50	(1) RG6	Yes	3.50	1.200	0.28	0.08	0.10	7.036	0.315	0.000	0.76	0.10
48.50	(6) 1 5/8" Coax	Yes	3.50	1.200	1.98	0.58	0.69	7.036	0.315	0.000	5.36	17.22
48.50	(3) 3/8" Coax	Yes	3.50	1.200	0.44	0.13	0.15	7.036	0.315	0.000	1.19	0.84
50.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.96	0.25	0.29	7.098	0.315	0.000	2.30	7.38
50.00	(12) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.50	0.59	7.098	0.315	0.000	4.64	14.76
50.00	(1) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	7.098	0.315	0.000	0.52	0.12
50.00	(2) 8AWG7	Yes	1.50	1.200	1.98	0.25	0.30	7.098	0.315	0.000	2.32	2.46
50.00	(1) RG6	Yes	1.50	1.200	0.28	0.04	0.04	7.098	0.315	0.000	0.33	0.04
50.00	(6) 1 5/8" Coax	Yes	1.50	1.200	1.98	0.25	0.30	7.098	0.315	0.000	2.32	7.38
50.00	(3) 3/8" Coax	Yes	1.50	1.200	0.44	0.05	0.07	7.098	0.315	0.000	0.52	0.36
55.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	7.294	0.322	0.000	7.86	24.60
55.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.294	0.322	0.000	15.89	49.19
55.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.294	0.322	0.000	1.77	0.40
55.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	7.294	0.322	0.000	7.94	8.20
55.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	7.294	0.322	0.000	1.12	0.14
55.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	7.294	0.322	0.000	7.94	24.60
55.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.294	0.322	0.000	1.77	1.20
60.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	7.477	0.333	0.000	8.06	24.60
60.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.477	0.333	0.000	16.29	49.19
60.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.477	0.333	0.000	1.81	0.40
60.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	7.477	0.333	0.000	8.14	8.20
60.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	7.477	0.333	0.000	1.15	0.14
60.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	7.477	0.333	0.000	8.14	24.60
60.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.477	0.333	0.000	1.81	1.20
65.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	7.650	0.346	0.000	8.25	24.60
65.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.650	0.346	0.000	16.66	49.19
65.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.650	0.346	0.000	1.85	0.40
65.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	7.650	0.346	0.000	8.33	8.20
65.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	7.650	0.346	0.000	1.18	0.14
65.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	7.650	0.346	0.000	8.33	24.60
65.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.650	0.346	0.000	1.85	1.20
70.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	7.814	0.359	0.000	8.42	24.60
70.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.814	0.359	0.000	17.02	49.19
70.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.814	0.359	0.000	1.89	0.40

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



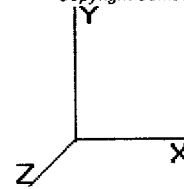
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

70.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	7.814	0.359	0.000	8.51	8.20
70.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	7.814	0.359	0.000	1.20	0.14
70.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	7.814	0.359	0.000	8.51	24.60
70.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.814	0.359	0.000	1.89	1.20
75.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	7.969	0.374	0.000	8.59	24.60
75.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.969	0.374	0.000	17.36	49.19
75.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.969	0.374	0.000	1.93	0.40
75.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	7.969	0.374	0.000	8.68	8.20
75.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	7.969	0.374	0.000	1.23	0.14
75.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	7.969	0.374	0.000	8.68	24.60
75.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	7.969	0.374	0.000	1.93	1.20
80.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	8.118	0.390	0.000	8.75	24.60
80.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.118	0.390	0.000	17.68	49.19
80.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	8.118	0.390	0.000	1.96	0.40
80.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	8.118	0.390	0.000	8.84	8.20
80.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	8.118	0.390	0.000	1.25	0.14
80.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	8.118	0.390	0.000	8.84	24.60
80.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	8.118	0.390	0.000	1.96	1.20
85.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.96	0.82	0.98	8.260	0.407	0.000	8.90	24.60
85.00	(12) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.260	0.407	0.000	17.99	49.19
85.00	(1) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	8.260	0.407	0.000	2.00	0.40
85.00	(2) 8AWG7	Yes	5.00	1.200	1.98	0.82	0.99	8.260	0.407	0.000	8.99	8.20
85.00	(1) RG6	Yes	5.00	1.200	0.28	0.12	0.14	8.260	0.407	0.000	1.27	0.14
85.00	(6) 1 5/8" Coax	Yes	5.00	1.200	1.98	0.82	0.99	8.260	0.407	0.000	8.99	24.60
85.00	(3) 3/8" Coax	Yes	5.00	1.200	0.44	0.18	0.22	8.260	0.407	0.000	2.00	1.20
88.13	(6) 1 5/8" Coax	Yes	3.13	1.200	1.96	0.51	0.61	8.345	0.422	0.000	5.62	15.37
88.13	(12) 1 5/8" Coax	Yes	3.13	1.200	3.96	1.03	1.24	8.345	0.422	0.000	11.36	30.75
88.13	(1) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	8.345	0.422	0.000	1.26	0.25
88.13	(2) 8AWG7	Yes	3.13	1.200	1.98	0.52	0.62	8.345	0.422	0.000	5.68	5.12
88.13	(1) RG6	Yes	3.13	1.200	0.28	0.07	0.09	8.345	0.422	0.000	0.80	0.09
88.13	(6) 1 5/8" Coax	Yes	3.13	1.200	1.98	0.52	0.62	8.345	0.422	0.000	5.68	15.37
88.13	(3) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	8.345	0.422	0.000	1.26	0.75
90.00	(6) 1 5/8" Coax	Yes	1.88	1.200	1.96	0.31	0.37	8.396	0.432	0.000	3.39	9.22
90.00	(12) 1 5/8" Coax	Yes	1.88	1.200	3.96	0.62	0.74	8.396	0.432	0.000	6.86	18.45
90.00	(1) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	8.396	0.432	0.000	0.76	0.15
90.00	(2) 8AWG7	Yes	1.88	1.200	1.98	0.31	0.37	8.396	0.432	0.000	3.43	3.07
90.00	(1) RG6	Yes	1.88	1.200	0.28	0.04	0.05	8.396	0.432	0.000	0.48	0.05
90.00	(6) 1 5/8" Coax	Yes	1.88	1.200	1.98	0.31	0.37	8.396	0.432	0.000	3.43	9.22
90.00	(3) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	8.396	0.432	0.000	0.76	0.45
91.88	(6) 1 5/8" Coax	Yes	1.88	1.200	1.96	0.31	0.37	8.445	0.439	0.000	3.41	9.22
91.88	(12) 1 5/8" Coax	Yes	1.88	1.200	3.96	0.62	0.74	8.445	0.439	0.000	6.90	18.45
91.88	(1) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	8.445	0.439	0.000	0.77	0.15
91.88	(2) 8AWG7	Yes	1.88	1.200	1.98	0.31	0.37	8.445	0.439	0.000	3.45	3.07
91.88	(1) RG6	Yes	1.88	1.200	0.28	0.04	0.05	8.445	0.439	0.000	0.49	0.05
91.88	(6) 1 5/8" Coax	Yes	1.88	1.200	1.98	0.31	0.37	8.445	0.439	0.000	3.45	9.22
91.88	(3) 3/8" Coax	Yes	1.88	1.200	0.44	0.07	0.08	8.445	0.439	0.000	0.77	0.45
95.00	(6) 1 5/8" Coax	Yes	3.13	1.200	1.96	0.51	0.61	8.526	0.441	0.000	5.74	15.37
95.00	(12) 1 5/8" Coax	Yes	3.13	1.200	3.96	1.03	1.24	8.526	0.441	0.000	11.61	30.75
95.00	(1) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	8.526	0.441	0.000	1.29	0.25
95.00	(2) 8AWG7	Yes	3.13	1.200	1.98	0.52	0.62	8.526	0.441	0.000	5.80	5.12
95.00	(1) RG6	Yes	3.13	1.200	0.28	0.07	0.09	8.526	0.441	0.000	0.82	0.09
95.00	(6) 1 5/8" Coax	Yes	3.13	1.200	1.98	0.52	0.62	8.526	0.441	0.000	5.80	15.37
95.00	(3) 3/8" Coax	Yes	3.13	1.200	0.44	0.11	0.14	8.526	0.441	0.000	1.29	0.75
98.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.96	0.49	0.59	8.602	0.454	0.000	5.56	14.76
98.00	(12) 1 5/8" Coax	Yes	3.00	1.200	3.96	0.99	1.19	8.602	0.454	0.000	11.24	29.52
98.00	(1) 3/8" Coax	Yes	3.00	1.200	0.44	0.11	0.13	8.602	0.454	0.000	1.25	0.24
98.00	(2) 8AWG7	Yes	3.00	1.200	1.98	0.50	0.59	8.602	0.454	0.000	5.62	4.92

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



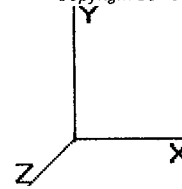
Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

98.00	(1) RG6	Yes	3.00	1.200	0.28	0.07	0.08	8.602	0.454	0.000	0.79	0.09
98.00	(6) 1 5/8" Coax	Yes	3.00	1.200	1.98	0.50	0.59	8.602	0.454	0.000	5.62	14.76
98.00	(3) 3/8" Coax	Yes	3.00	1.200	0.44	0.11	0.13	8.602	0.454	0.000	1.25	0.72
100.0	(6) 1 5/8" Coax	Yes	2.00	1.200	1.96	0.33	0.39	8.652	0.364	0.000	3.73	9.84
100.0	(12) 1 5/8" Coax	Yes	2.00	1.200	3.96	0.66	0.79	8.652	0.364	0.000	7.54	19.68
100.0	(1) 3/8" Coax	Yes	2.00	1.200	0.44	0.07	0.09	8.652	0.364	0.000	0.84	0.16
100.0	(2) 8AWG7	Yes	2.00	1.200	1.98	0.33	0.40	8.652	0.364	0.000	3.77	3.28
100.0	(1) RG6	Yes	2.00	1.200	0.28	0.05	0.06	8.652	0.364	0.000	0.53	0.06
104.0	(6) 1 5/8" Coax	Yes	4.00	1.200	1.96	0.65	0.78	8.750	0.375	0.000	7.55	19.68
104.0	(12) 1 5/8" Coax	Yes	4.00	1.200	3.96	1.32	1.58	8.750	0.375	0.000	15.25	39.36
104.0	(1) 3/8" Coax	Yes	4.00	1.200	0.44	0.15	0.18	8.750	0.375	0.000	1.69	0.32
104.0	(2) 8AWG7	Yes	4.00	1.200	1.98	0.66	0.79	8.750	0.375	0.000	7.62	6.56
104.0	(1) RG6	Yes	4.00	1.200	0.28	0.09	0.11	8.750	0.375	0.000	1.08	0.12
105.0	(6) 1 5/8" Coax	Yes	1.00	0.000	1.96	0.16	0.00	8.774	0.088	0.000	0.00	4.92
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.96	0.82	0.00	8.891	0.090	0.000	0.00	24.60
115.0	(6) 1 5/8" Coax	Yes	5.00	0.000	1.96	0.82	0.00	9.005	0.096	0.000	0.00	24.60
119.0	(6) 1 5/8" Coax	Yes	4.00	0.000	1.96	0.65	0.00	9.093	0.101	1.003	0.00	19.68
Totals:											901.77	2,296.09

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.0D + 1.0W

60.00 mph Serviceability

23 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

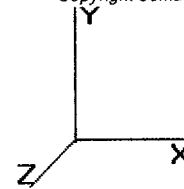
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	190.94	1,149.00	0.00	0.00
10.00	186.91	1,125.19	0.00	0.00
15.00	182.89	1,101.39	0.00	0.00
20.00	178.86	1,077.58	0.00	0.00
25.00	174.84	1,053.77	0.00	0.00
30.00	170.96	1,029.97	0.00	0.00
35.00	174.45	1,006.16	0.00	0.00
40.00	176.86	982.36	0.00	0.00
43.50	124.14	673.48	0.00	0.00
45.00	53.76	464.32	0.00	0.00
48.50	126.55	1,068.14	0.00	0.00
50.00	54.01	247.44	0.00	0.00
55.00	181.89	811.90	0.00	0.00
60.00	181.56	792.06	0.00	0.00
65.00	180.74	772.23	0.00	0.00
70.00	179.47	752.39	0.00	0.00
75.00	177.81	732.55	0.00	0.00
80.00	248.62	889.21	0.00	145.16
85.00	173.44	691.22	0.00	0.00
88.13	106.74	421.94	0.00	0.00
90.00	64.28	378.21	0.00	0.00
91.88	63.88	373.18	0.00	0.00
95.00	105.74	359.34	0.00	0.00
98.00	192.97	574.94	0.00	0.00
100.0	61.54	212.60	0.00	0.00
104.0	843.66	2,750.98	0.00	1,058.94
105.0	11.71	91.22	0.00	0.00
110.0	57.42	446.58	0.00	0.00
115.0	54.95	430.71	0.00	0.00
119.0	521.21	2,186.24	0.00	0.00
120.0	10.22	66.94	0.00	0.00
125.0	326.82	619.28	0.00	0.00
126.0	793.73	2,460.38	0.00	3,920.81
Totals:	6,333.58	27,792.88	0.00	5,124.90

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.0D + 1.0W	60.00 mph Serviceability	23 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.00		
Wind Load Factor : 1.00		

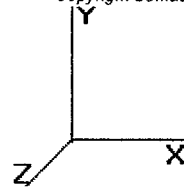
Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-27.79	-6.35	0.00	-526.92	0.00	526.92	3,765.29	1,882.65	6,978.46	3,494.42	0.00	0.00	0.158
5.00	-26.64	-6.18	0.00	-495.19	0.00	495.19	3,697.80	1,848.90	6,673.37	3,341.64	0.03	-0.05	0.155
10.00	-25.50	-6.01	0.00	-464.29	0.00	464.29	3,628.68	1,814.34	6,371.97	3,190.72	0.11	-0.11	0.153
15.00	-24.40	-5.85	0.00	-434.21	0.00	434.21	3,557.92	1,778.96	6,074.51	3,041.77	0.25	-0.16	0.150
20.00	-23.32	-5.69	0.00	-404.95	0.00	404.95	3,485.52	1,742.76	5,781.22	2,894.91	0.45	-0.22	0.147
25.00	-22.26	-5.54	0.00	-376.49	0.00	376.49	3,411.48	1,705.74	5,492.34	2,750.25	0.71	-0.27	0.143
30.00	-21.22	-5.38	0.00	-348.81	0.00	348.81	3,335.81	1,667.90	5,208.12	2,607.93	1.02	-0.33	0.140
35.00	-20.21	-5.22	0.00	-321.91	0.00	321.91	3,258.50	1,629.25	4,928.79	2,468.06	1.40	-0.39	0.137
40.00	-19.23	-5.05	0.00	-295.81	0.00	295.81	3,158.60	1,579.30	4,623.93	2,315.40	1.83	-0.44	0.134
43.50	-18.55	-4.93	0.00	-278.12	0.00	278.12	3,085.84	1,542.92	4,412.25	2,209.40	2.17	-0.49	0.132
45.00	-18.09	-4.88	0.00	-270.72	0.00	270.72	3,054.65	1,527.33	4,323.05	2,164.74	2.33	-0.50	0.131
48.50	-17.02	-4.76	0.00	-253.63	0.00	253.63	2,457.75	1,228.87	3,470.74	1,737.95	2.71	-0.55	0.153
50.00	-16.77	-4.71	0.00	-246.49	0.00	246.49	2,439.67	1,219.84	3,409.59	1,707.33	2.89	-0.56	0.151
55.00	-15.95	-4.54	0.00	-222.92	0.00	222.92	2,378.35	1,189.18	3,208.11	1,606.44	3.52	-0.63	0.145
60.00	-15.16	-4.37	0.00	-200.21	0.00	200.21	2,315.40	1,157.70	3,010.48	1,507.48	4.21	-0.70	0.139
65.00	-14.38	-4.20	0.00	-178.37	0.00	178.37	2,249.69	1,124.84	2,815.52	1,409.85	4.98	-0.77	0.133
70.00	-13.63	-4.02	0.00	-157.39	0.00	157.39	2,163.06	1,081.53	2,601.80	1,302.84	5.82	-0.83	0.127
75.00	-12.89	-3.85	0.00	-137.29	0.00	137.29	2,076.43	1,038.21	2,396.52	1,200.04	6.73	-0.90	0.121
80.00	-12.00	-3.60	0.00	-117.91	0.00	117.91	1,989.80	994.90	2,199.68	1,101.47	7.71	-0.96	0.113
85.00	-11.31	-3.42	0.00	-99.92	0.00	99.92	1,903.17	951.59	2,011.27	1,007.13	8.75	-1.03	0.105
88.13	-10.89	-3.31	0.00	-89.22	0.00	89.22	1,849.03	924.51	1,897.79	950.31	9.44	-1.07	0.100
90.00	-10.51	-3.25	0.00	-83.01	0.00	83.01	1,816.54	908.27	1,831.29	917.01	9.86	-1.09	0.096
91.88	-10.14	-3.18	0.00	-76.93	0.00	76.93	1,456.00	728.00	1,478.84	740.52	10.30	-1.11	0.111
95.00	-9.78	-3.07	0.00	-66.99	0.00	66.99	1,417.09	708.55	1,396.21	699.14	11.04	-1.15	0.103
98.00	-9.21	-2.87	0.00	-57.76	0.00	57.76	1,375.51	687.75	1,315.06	658.51	11.77	-1.19	0.094
100.00	-8.99	-2.81	0.00	-52.02	0.00	52.02	1,347.79	673.89	1,262.31	632.09	12.27	-1.21	0.089
104.00	-6.26	-1.91	0.00	-39.70	0.00	39.70	1,292.34	646.17	1,160.06	580.89	13.31	-1.26	0.073
105.00	-6.17	-1.90	0.00	-37.79	0.00	37.79	1,278.48	639.24	1,135.17	568.43	13.57	-1.27	0.071
110.00	-5.72	-1.84	0.00	-28.27	0.00	28.27	1,209.18	604.59	1,014.77	508.14	14.92	-1.31	0.060
115.00	-5.29	-1.78	0.00	-19.07	0.00	19.07	1,139.88	569.94	901.12	451.23	16.32	-1.35	0.047
119.00	-3.12	-1.21	0.00	-11.95	0.00	11.95	1,084.44	542.22	815.07	408.14	17.46	-1.37	0.032
120.00	-3.05	-1.19	0.00	-10.75	0.00	10.75	1,070.57	535.29	794.22	397.70	17.75	-1.38	0.030
125.00	-2.44	-0.85	0.00	-4.77	0.00	4.77	1,001.27	500.64	694.07	347.55	19.21	-1.40	0.016
126.00	0.00	-0.79	0.00	-3.92	0.00	3.92	987.41	493.71	674.85	337.93	19.50	-1.40	0.012

Pole : 302469
 Location : Bridgeport CT 2, CT
 Height : 126.0 (ft)
 Shape : 18 Sides
 Base Dia : 45.50 (in)
 Top Dia : 17.00 (in)
 Taper : 0.235121 (in/ft)

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

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Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	34.06	0.00	33.26	0.00	0.00	2841.16	0.00	0.82
0.9D + 1.6W	34.04	0.00	24.93	0.00	0.00	2810.28	0.00	0.81
1.2D + 1.0Di + 1.0Wi	6.62	0.00	59.07	0.00	0.00	572.01	0.00	0.18
1.0D + 1.0W	6.35	0.00	27.79	0.00	0.00	526.92	0.00	0.16

AM-X-CD-14-65-00T-RET (4' 65° Dual Broadband Antenna)

Dual Band Electrical DownTilt Antenna

698 - 894MHz, 2 pol, 195° V.Tilt
1710 - 2170MHz, 2 pol, 195° V.Tilt

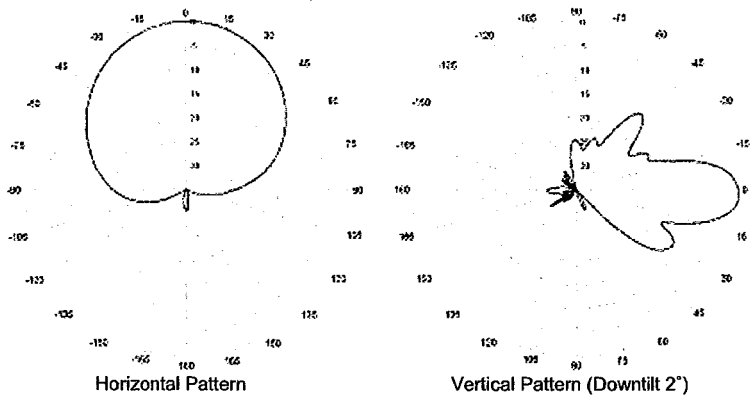
Electrical Specification

Frequency Range	698-894MHz	1710-2170MHz
Impedance	50Ω	
Polarization	Dual, Slant ±45°	
Gain	14.0dBi / 11.85dBd @ 698-806MHz 14.8dBi / 12.65dBd @ 824-894MHz	16.1dBi / 13.95dBd @1710-1755MHz 16.3dBi / 14.15dBd @1850-1900MHz 16.0dBi / 13.85dBd @2110-2155MHz
Beamwidth	Horizontal	60° @ 1710-1755MHz 61° @ 1850-1900MHz 64° @ 2110-2155MHz
	Vertical	17.5 @ 698-806MHz 16.5° @ 824-894MHz
VSWR	≤1.5:1	
Front-to-Back Ratio	≥28 dB	
Electrical Downtilt Range	2° ~ 16°	0° ~ 10°
Isolation Between Ports	≥30 dB	
Isolation Between Ports of Different Frequency Elements	≥35 dB	
Cross Pole Discrimination	10.0 dB @ ±60° 15.0 dBi @ 0°	
First Upper Side Lobe Suppression	16dB	
Side Lobe Suppression	> 16dB @ 0-6° Tilt > 18dB @ 7-12° Tilt (Up to 15° from Boresight)	> 16dB @ 0-6° Tilt > 18dB @ 7-10° Tilt (Up to 15° from Boresight)
Passive Intermodulation	≤ -150 dBc @ 2x20w	
Input Maximum CW Power	500 W	300 W
Environmental Compliance	IP65 for Radome IP67 for Connectors	
RET Motor Configuration	Field Replaceable RET Electronic Control Module / RET Motor is internal to antenna & not field replaceable	
Compliant with AISG 1.1 and 2.0	AISG 1.1 and 2.0	

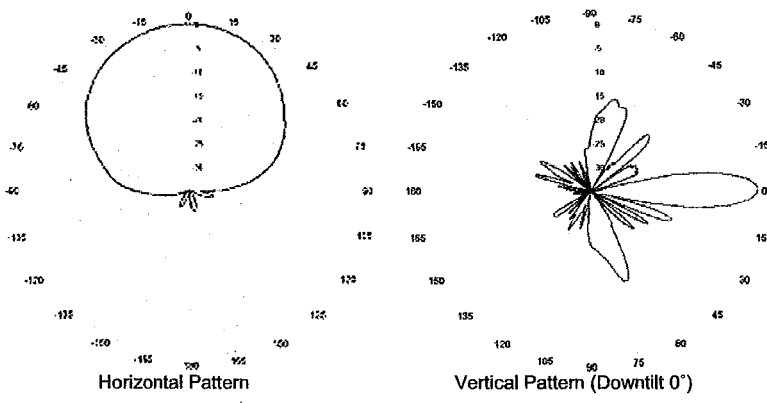
Mechanical Specification

Dimension (WxDxH)	11.8x5.9x48 inches (300x150x1219mm)
Weight (Without clamp)	16.5 kg (36.4 lbs)
Connector	4 x 7/16 DIN(F), Long Neck
Max Wind Speed	150mph
Wind Load (@150 mph)	1260 N

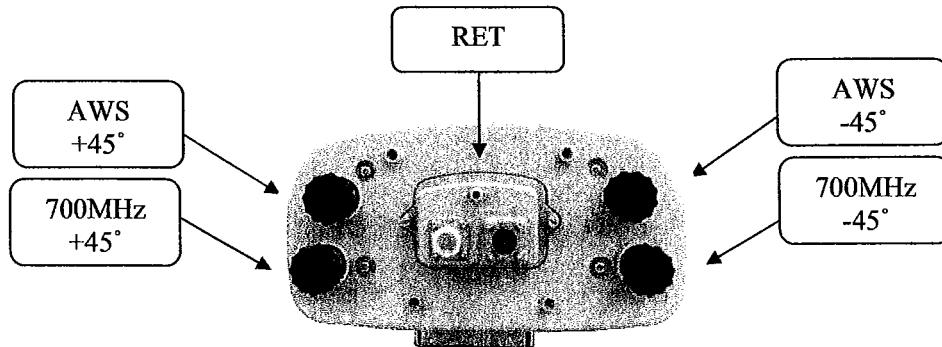
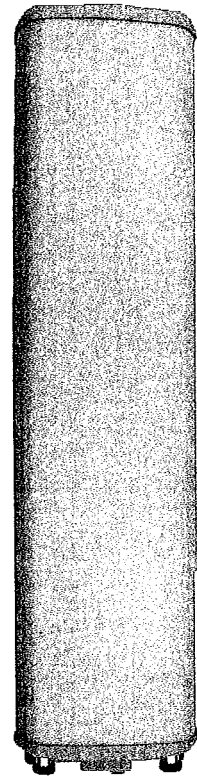
AM-X-CD-14-65-00T-RET (4' 65° Dual Broadband Antenna)



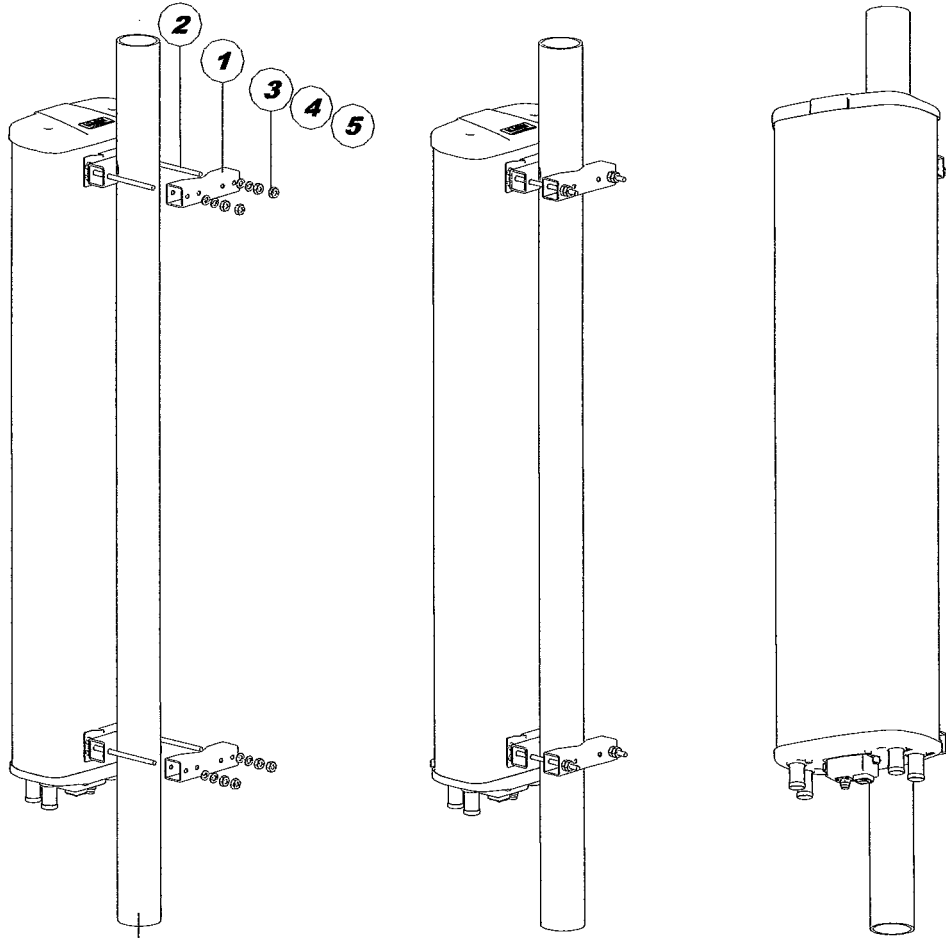
700MHz band Pattern



AWS band Pattern



AM-X-CD-14-65-00T-RET (4' 65° Dual Broadband Antenna)
Antenna Drawings and Installation Diagram



MOUNT POLE
Ø1.97 ~ 3.15inch OD.
(50 ~ 80mm OD.)

STANDARD MOUNTING KITS

No.	PART NAME	QTY	Recommending Torque
1	FIXED CLAMP	4	
2	Hex. Cap Bolt, M10	4	17mm Spanner
3	Plain Washer, M10	4	208lbf.inch
4	Spring Washer, M10	4	240kgf.cm
5	Hex. Nut, M10	8	

POWER

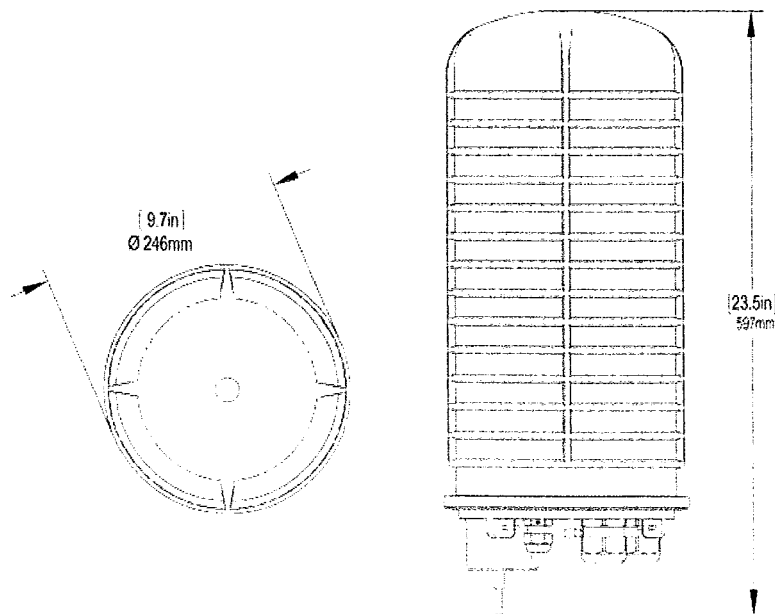
DC6-48-60-18-8F

DC Surge Suppression Solution

The DC6-48-60-18 is a dual chambered, DC surge suppression system for use in multi-circuit, Distributed Antenna Systems. The system will protect up to 6 Remote Radio Heads from voltage surges and lightning, and connect up to 18 fiber pairs. The system is enclosed in a NEMA 4 rated, waterproof enclosure.

FEATURES

- Protects up to 6 Remote Radio Heads, each with its own protection circuit.
- Flexible design allows for installation at the top of a tower for Remote Radio Head protection.
- Includes fiber connections for up to 18 pairs of fiber.
- LED indicators on individual circuits provide visual indication of suppressor status.
- Form 'C' relays allow for remote monitoring of the suppressor status.
- Patented Strikesorb technology provides over 60 kA of surge current capacity per circuit.
- Strikesorb suppression modules are fully recognized to UL 1449-3rd Edition Safety Standard, meeting all intermediate and high current fault requirements to facilitate use in OEM applications.
- Raycap recommends that DC protection system be installed within 2 meters or 6 feet of the radio.
- Dome design is lightweight and aerodynamic providing maximum flexibility for installation on top of towers.



DC6-48-60-18-8F

DC Power Surge Protection

Electrical Specifications	
Model Number	DC6-48-60-18-8F
Nominal Operating Voltage	48 VDC
Nominal Discharge Current (I_n)	20 kA 8/20 μ s
Maximum Discharge Current (I_{max}) per NEMA LS-1	60 kA 8/20 μ s
Maximum Continuous Operating Voltage (U_c)	75 VDC
Voltage Protection Rating	400 V

Mechanical Specifications	
Suppression Connection Method	Compression lug, #2-#14 AWG Copper, #2-#12 Aluminum
Fiber Connection Method	LC-LC Single mode duplex
Environmental Rating	IP 68, 7m 72hrs
Operating Temperature	-40° C to + 80° C
Storage Temperature	-70° C to + 80° C
Cold Temperature Cycling	IEC 61300-2-22e -30° C to + 60° C 200 hrs @ 5 psi
Resistance to Aggressive Materials	CEI IEC 61073-2 including acids and bases
UV Protection	ISO 4892-2 Method A Xenon-Arc 2160 hrs
Weight	20 lbs without Mounting Bracket

STANDARDS

Strikesorb modules are compliant to the following Surge Protection Device (SPD) Standards:

- ANSI/UL 1449 - 3rd Edition
- IEEE C62.41
- NEMA LS-1, IEC 61643-1:2005 2nd Edition:2005
- IEC 61643-12
- EN 61643-11:2002 (including A11:2007)



Raycap

G02-00-068 REV 050610



GS-07F-0435V



Certified to
ISO 9001:2000



TUV Rheinland
of North America

806 W. Clearwater Loop • Post Falls • Idaho • 83854 • USA
208.777.1166 • 800.890.2569 • 208.777.4466 • www.raycapsurgeprotection.com

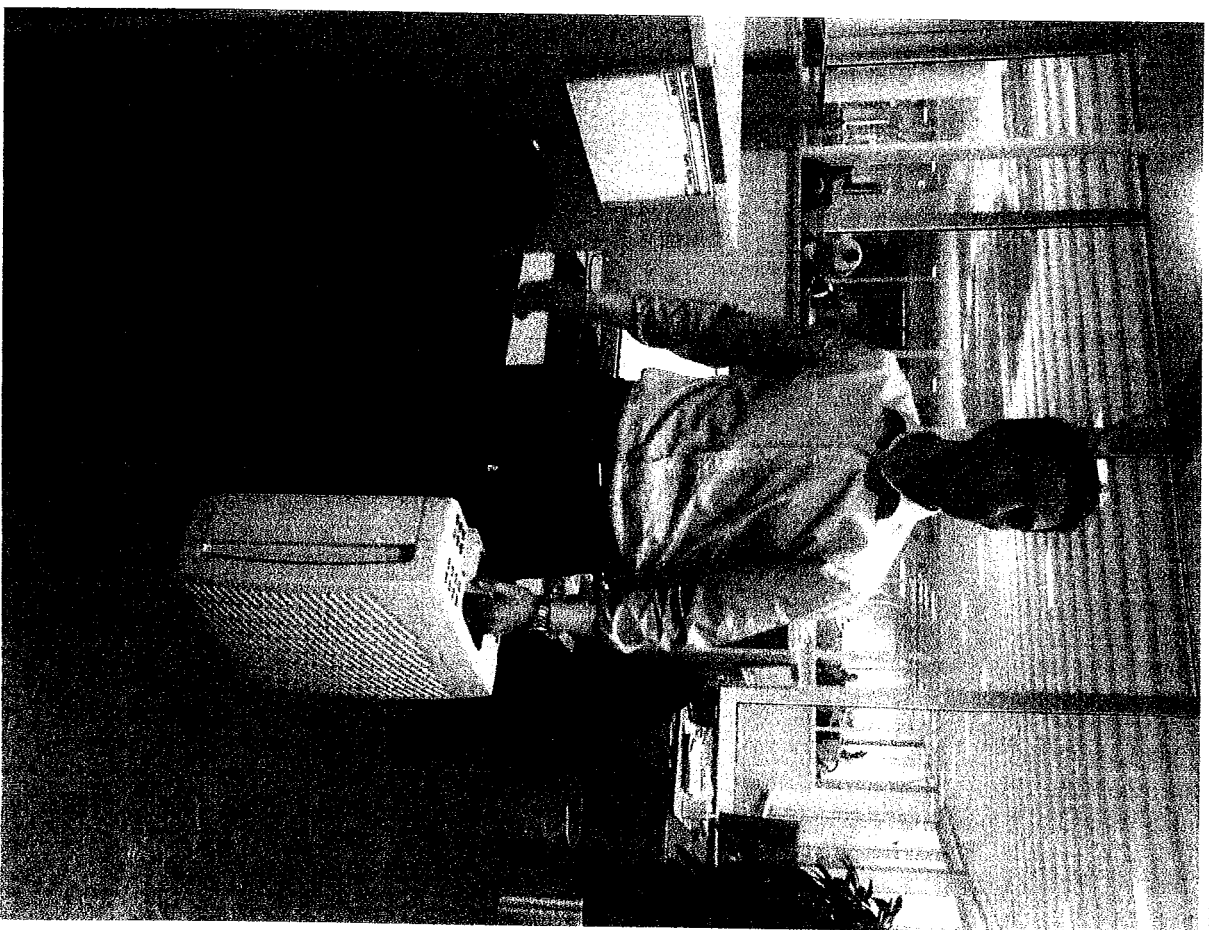


RRUS 11 – Dual PA RRU.

Technical Data

RBS6000

- > Multi standard
- > RF: 2x30 Watts
- > Carrier BW: 1.4 – 20 MHz
- > Alarms: 2
- > Dimensions (with sunshield):
 - Width: 17.0 in
 - Height: 17.8 in
 - Depth: 7.2 in
 - Weight: 55 lbs (Band 12)
 - Weight: 50 lbs (Band 4)
- > Temperature: -40 to +131 F
- > Cooling: Self convection
- > Power: -48 VDC
- > Rec. fuse size 20 Amp
 - Rec. DC cable:
 - 6 mm² up to 60 meters
 - 10 mm² over 60 meters
- > Power Cons: 200 Watts typ.



RRUS-11 I/F



RBS6000

Co-site & x-connect
ports: SMA

SFP port with LC
connector

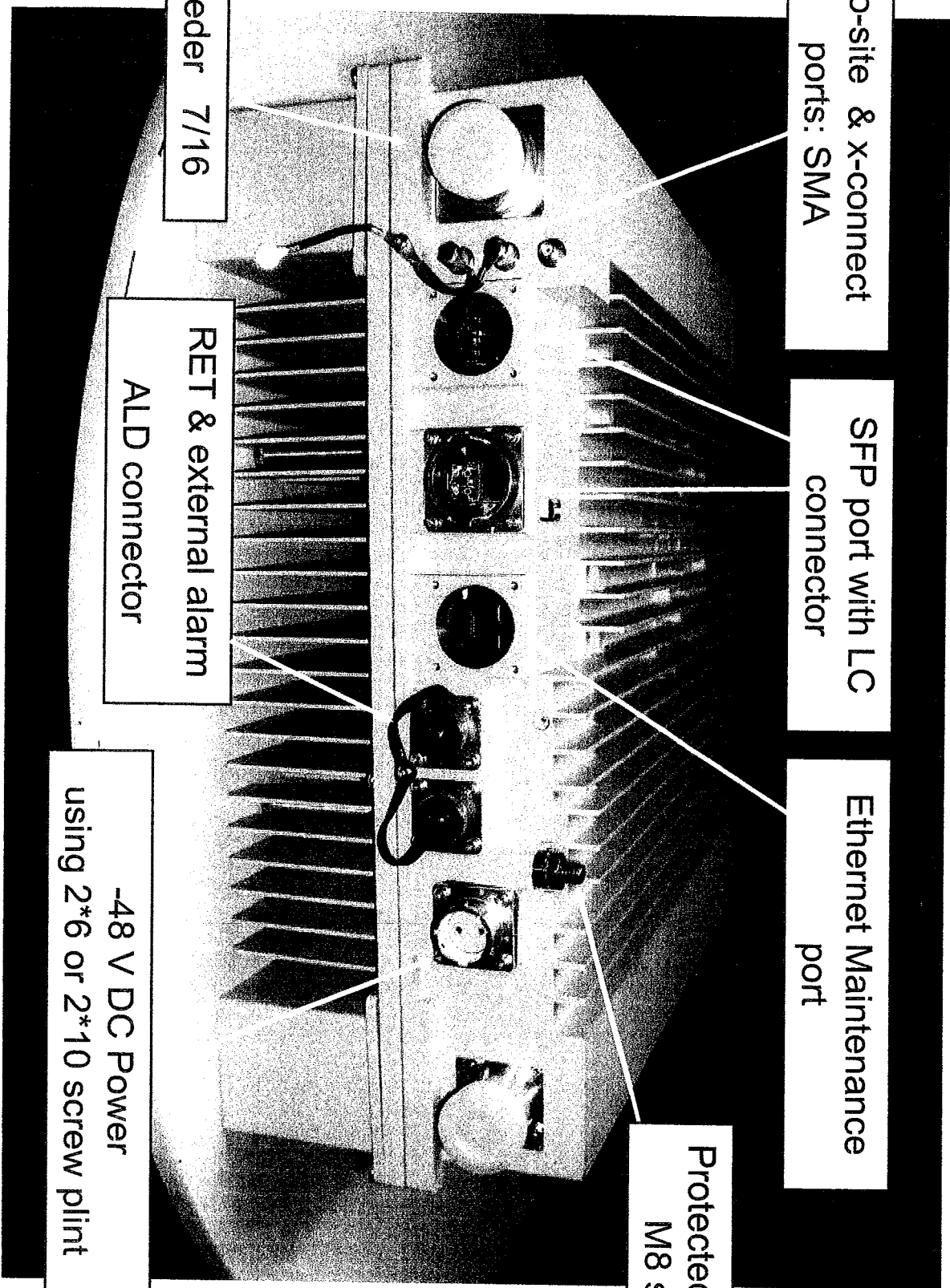
Ethernet Maintenance
port

Protected ground
M8 stud

RF feeder 7/16

RET & external alarm
ALD connector

-48 V DC Power
using 2*6 or 2*10 screw plint



TT19-08BP111-001

TMA Twin 1900 with 850 Bypass 12 dB AISG 1.1

ELECTRICAL SPECIFICATIONS

UL Frequency Range (MHz)	1850-1910 with 824-894 bypass
UL Rejection	>77 dB
UL Gain(dB)	12
UL Return Loss	>18
UL Noise Figure	<1.7 dB, Typical
UL Output 3rd Order Intercept Point(dBm)	>+23
UL Bypass Loss(dB)	2.5, Typical
UL Max Input Power (dBm)	+14 dBm
DL Frequency Range (MHz)	1930-1990 with 824-894 bypass
DL Return Loss	>18
DL Insertion Loss (dB)	850 MHz, <0.3; 1900 MHz, <0.5
Intermodulation	@ 2 x +43 dBm TX carriers, in receive band, <160 dBc, referred to antenna port
Input Voltage (V)	AISG Mode: 10-30; Current alarm mode: 8 -17
Alarm Functionality	AISG compatible or in case of no AISG command received, current alarm mode 170-190 mA
Power Consumption	<1.1W @12V
Power Handling, RMS	850: >57 dBm; 1900: >55 dBm
AISG Compatibility	AISG 1.1 fully upgradable to AISG 2.0 (AISG version only dependent on loaded SW version) TT19-08BP112-001 has AISG 2.0 loaded from factory

MECHANICAL SPECIFICATIONS

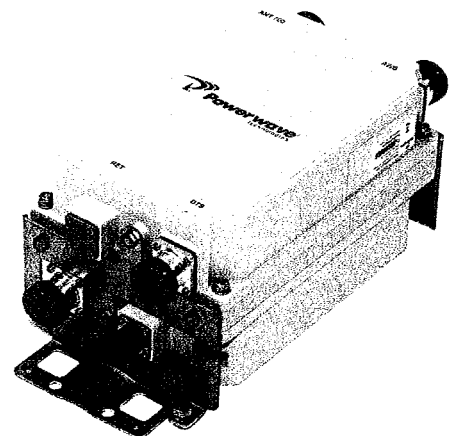
Dimension HxWxD mm(ft)	250x169x137 mm (9.9"x6.7"x5.4")
Weight(lbs)	<16
Colors	Off white (NCS 1502-R)
RF Connectors	DIN 7/16 female, long neck
Mounting Kit	Mounting kit for pole and wall is included

ENVIRONMENTAL SPECIFICATIONS

Temperature Range	-40° C to +65° C (-40° F to +149° F)
Operational	ETS 300 019-1-4
Transportation	ETS 300 019-1-2
Storage	ETS 300 019-1-1
Lightning Protection	3 kA 10/350 µs; 20 kA (Shield)
Housing	Aluminum
MTBF	>1 million hours per TMA
Ingress Protection	IP65 and IP68

APPROVAL AND TESTS

Safety	EN60950
EMC	3GPP: TS 25.113



*All specifications subject to change without notice. Contact your Powerwave representative for complete performance data.