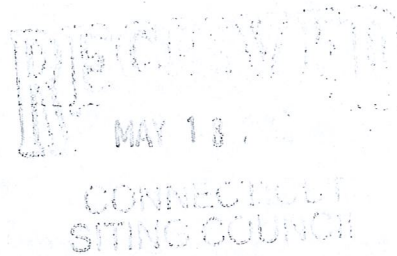


280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

May 17, 2012

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



Re: **EM-VER-007-120125 – 1684 Chamberlain Highway, Berlin, Connecticut**
EM-VER-014-120110 – 405 Brushy Hill Road, Branford, Connecticut
EM-VER-026-111130 – Wig Hill Road, Chester, Connecticut
EM-VER-070-120202 – 78 Route 81, Killingworth, Connecticut
EM-VER-030-120106 – 330 Middletown Road, Columbia, Connecticut
EM-VER-046-120123 – 206 Everett Road, Easton, Connecticut
EM-VER-049-120214 – Town Farm Road, Enfield, Connecticut
EM-VER-013-111220 – 12 Polly Lane, Bozrah, Connecticut

Completion of Construction Activity

Dear Ms. Roberts:

The purpose of this letter is to notify you and the Connecticut Siting Council that construction activity associated with each of the above-referenced modification filings has been completed.

If you have any questions or need any additional information regarding these facilities please do not hesitate to contact me.

Sincerely,

Kenneth C. Baldwin

Copy to:
Sandy M. Carter



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March 2, 2012

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

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103

RE: **EM-VER-049-120214** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Town Farm Road, Enfield, Connecticut.

Dear Attorney Baldwin:

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 February 10, 2012. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Very truly yours,

Linda Roberts
Executive Director

LR/CDM/laf

c: The Honorable Patrick L. Tallarita, Mayor, Town of Enfield
Matthew W. Coppler, Town Manager, Town of Enfield
Jose Giner, Director of Planning and Community Development, Town of Enfield
American Tower Corporation



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

February 15, 2012

The Honorable Patrick L. Tallarita
Mayor
Town of Enfield
820 Enfield Street
Enfield, CT 06082

RE: **EM-VER-049-120214** - Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at Town Farm Road, Enfield, Connecticut.

Dear Mayor Tallarita:

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 March 1, 2012.

Thank you for your cooperation and consideration.

Very truly yours,

Linda Roberts UAB

Linda Roberts
Executive Director

LR/jbw

Enclosure: Notice of Intent

c: Matthew W. Copple ~~Jose~~ Giner, Director of Planning and Community Development, Town of Enfield

280 Trumbull Street
Hartford, CT 06103-3597
Main (860) 275-8200
Fax (860) 275-8299
kbaldwin@rc.com
Direct (860) 275-8345

February 10, 2012

RECEIVED
FEB 14 2012
CONNECTICUT
SITING COUNCIL

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

Re: **Notice of Exempt Modification – Antenna Swap
Town Farm Road, Enfield, Connecticut**

Dear Ms. Roberts:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains twelve (12) wireless telecommunications antennas at the 130-foot level on the existing 150-foot tower at the above-referenced address. The tower is owned by American Tower Corporation. The Council approved Cellco’s use of the tower in 2007. Cellco now intends to modify its installation by replacing eight (8) of its existing antennas with two (2) model LPA-80080-6CF cellular antennas; three (3) model BXA-171085-12BF PCS antennas; and three (3) model BXA-70063-4CF LTE antennas, all at the same level on the tower. Cellco also intends to install six (6) coax cable diplexers on its antenna platform. Attached behind Tab 1 are the specifications for the replacement antennas and cable diplexers.

Please accept this letter as notification pursuant to R.C.S.A. § 16-50j-73, for construction that constitutes an exempt modification pursuant to R.C.S.A. § 16-50j-72(b)(2). In accordance with R.C.S.A. § 16-50j-73, a copy of this letter is being sent to Matthew W. Coppler, Town Manager for the Town of Enfield. The Town of Enfield is the owner of the property on which the tower is located.

The planned modifications to the facility fall squarely within those activities explicitly provided for in R.C.S.A. § 16-50j-72(b)(2).

1. The proposed modifications will not result in an increase in the overall height of the existing tower. Cellco’s replacement antennas and diplexers will be located at the 130-foot level on the existing 150-foot tower.



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Linda Roberts
February 10, 2012
Page 2

2. The proposed modifications will not involve any change to ground-mounted equipment and, therefore, will not require the extension of the site boundaries.

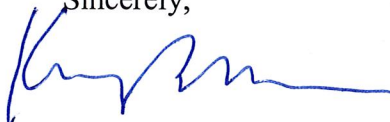
3. The proposed modifications will not increase noise levels at the facility by six decibels or more.

4. The operation of the replacement antennas will not increase radio frequency (RF) power density levels at the facility to a level at or above the Federal Communications Commission (FCC) adopted safety standard. A power density table for Cellco's modified facility is included behind Tab 2.

Also attached is a Structural Analysis Report confirming that the tower and foundation can support Cellco's proposed modifications. (See Tab 3). Notwithstanding information on page 2 of the Structural Analysis Report, Cellco does not intend to make any modifications to its existing coax cable lines at this facility.

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

Sincerely,



Kenneth C. Baldwin

Enclosures

Copy to:

Matthew W. Coppler, Enfield Town Manager
Sandy M. Carter



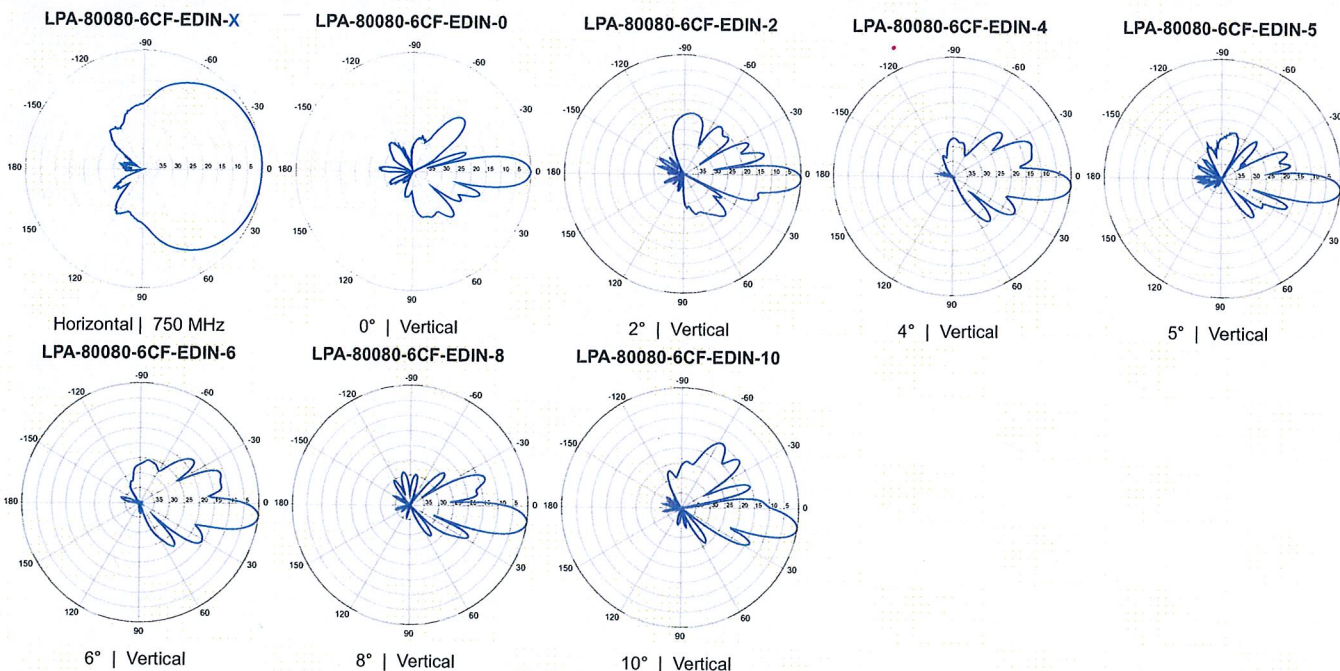
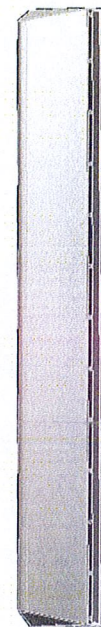
LPA-80080-6CF-EDIN-X

V-Pol | Log Periodic | 80° | 14.0 dBd

Replace "X" with desired electrical downtilt

Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.

Electrical Characteristics		
Frequency bands	806-960 MHz	
Polarization	Vertical	
Horizontal beamwidth	80°	
Vertical beamwidth	10°	
Gain	14.0 dBd (16.1 dBi)	
Electrical downtilt (X)	0, 2, 4, 5, 6, 8, 10	
Impedance	50Ω	
VSWR	≤1.4:1	
Upper sidelobe suppression (0°)	-22.6 dB	
Null fill	10% (-20.0 dB)	
Input power	500 W	
Lightning protection	Direct Ground	
Connector(s)	1 Port / EDIN or NE / Female / Center (Back)	
Mechanical Characteristics		
Dimensions Length x Width x Depth	1800 x 140 x 335 mm 70.9 x 5.5 x 13.2 in	
Depth of antenna with z-bracket	375 mm 14.8 in	
Weight without mounting brackets	9.5 kg 21.0 lbs	
Survival wind speed	> 201 km/hr > 125 mph	
Wind area	Front: 0.25 m ² Side: 0.61 m ² Front: 2.7 ft ² Side: 6.6 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 415 N Side: 878 N Front: 93 lbf Side: 198 lbf	
Mounting Options		
Part Number	Fits Pipe Diameter	Weight
3-Point Mounting & Downtilt Bracket Kit (0-20°)	21700000 50-102 mm 2.0-4.0 in	11 kg 25 lbs
Lock-Down Brace	If the lock-down brace is used, the maximum diameter of the mounting pipe is 88.9 mm or 3.5 in.	

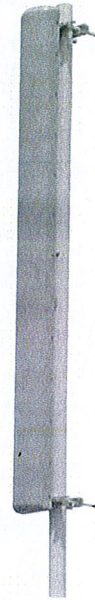


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-171085-12BF-EDIN-X

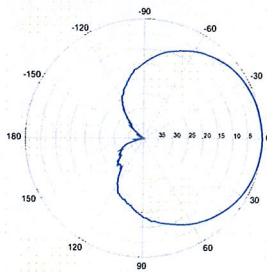
Replace "X" with desired electrical downtilt.

X-Pol | FET Panel | 85° | 18.0 dBi

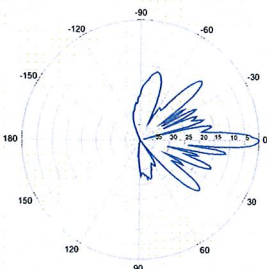


Electrical Characteristics	1710-2170 MHz		
Frequency bands	1710-1880 MHz	1850-1990 MHz	1920-2170 MHz
Polarization	±45°	±45°	±45°
Horizontal beamwidth	88°	85°	80°
Vertical beamwidth	4.5°	4.5°	4.5°
Gain	15.1 dBd / 17.2 dBi	15.5 dBd / 17.6 dBi	15.9 dBd / 18.0 dBi
Electrical downtilt (X)	0, 2, 4		
Impedance	50Ω		
VSWR	≤1.5:1		
First upper sidelobe	< -17 dB		
Front-to-back ratio	> 30 dB		
In-band isolation	> 28 dB		
IM3 (20W carrier)	< -150 dBc		
Input power	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN / Female / Bottom		
Operating temperature	-40° to +60° C / -40° to +140° F		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1820 x 154 x 105 mm	71.7 x 6.1 x 4.1 in	
Depth with z-brackets	133 mm	5.2 in	
Weight without mounting brackets	6.8 kg	15 lbs	
Survival wind speed	> 201 km/hr		> 125 mph
Wind area	Front: 0.28 m ² Side: 0.19 m ²	Front: 3.1 ft ² Side: 2.1 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 460 N Side: 304 N	Front: 103 lbf Side: 68 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
2-Point Mounting Bracket Kit	26799997	50-102 mm 2.0-4.0 in	2.3 kg 5 lbs
2-Point Mounting & Downtilt Bracket Kit	26799999	50-102 mm 2.0-4.0 in	3.6 kg 8 lbs
Concealment Configurations	For concealment configurations, order BXA-171085-12BF-EDIN-X-FP		

BXA-171085-12BF-EDIN-X

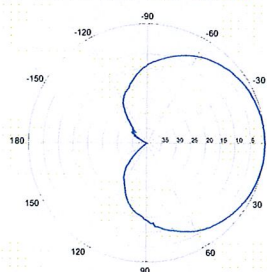


Horizontal | 1710-1880 MHz
BXA-171085-12BF-EDIN-0

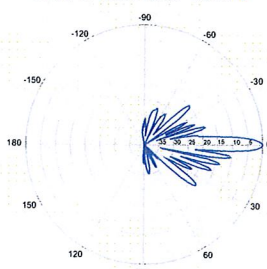


0° | Vertical | 1710-1880 MHz

BXA-171085-12BF-EDIN-X

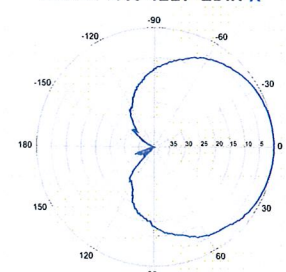


Horizontal | 1850-1990 MHz
BXA-171085-12BF-EDIN-0

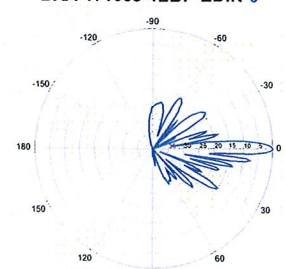


0° | Vertical | 1850-1990 MHz

BXA-171085-12BF-EDIN-X



Horizontal | 1920-2170 MHz
BXA-171085-12BF-EDIN-0



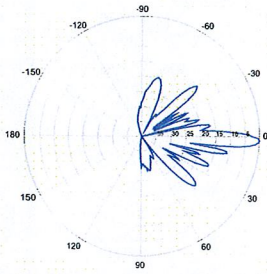
0° | Vertical | 1920-2170 MHz

Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-171085-12BF-EDIN-X

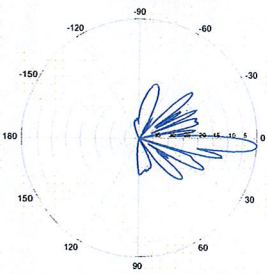
X-Pol | FET Panel | 85° | 18.0 dBi

BXA-171085-12BF-EDIN-2



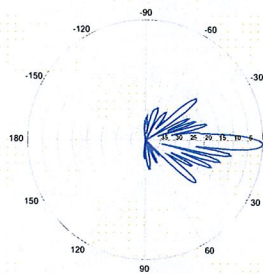
2° | Vertical | 1710-1880 MHz

BXA-171085-12BF-EDIN-4



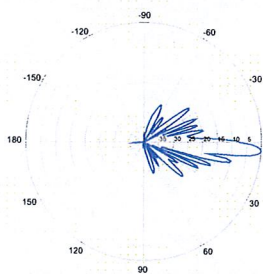
4° | Vertical | 1710-1880 MHz

BXA-171085-12BF-EDIN-2



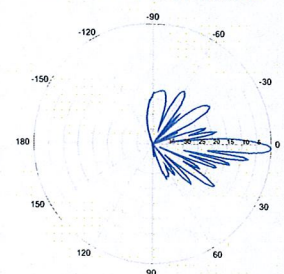
2° | Vertical | 1850-1990 MHz

BXA-171085-12BF-EDIN-4



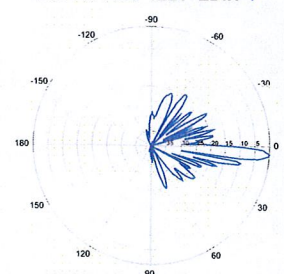
4° | Vertical | 1850-1990 MHz

BXA-171085-12BF-EDIN-2



2° | Vertical | 1920-2170 MHz

BXA-171085-12BF-EDIN-4



4° | Vertical | 1920-2170 MHz

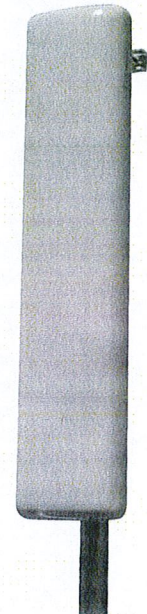
Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-70063-4CF-EDIN-X

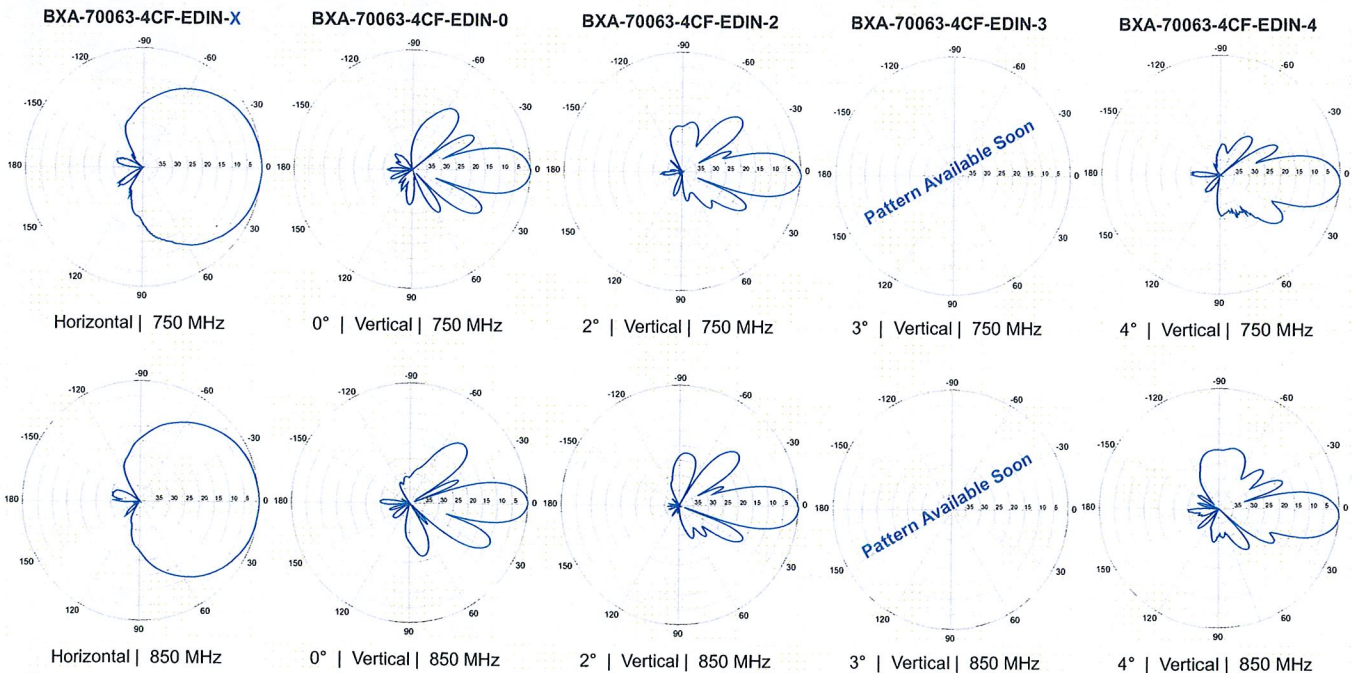
X-Pol | FET Panel | 63° | 13.0 dBd

Replace "X" with desired electrical downtilt.

Antenna is also available with NE connector(s). Replace "EDIN" with "NE" in the model number when ordering.



Electrical Characteristics	696-900 MHz		
Frequency bands	696-806 MHz	806-900 MHz	
Polarization	±45°		
Horizontal beamwidth	65°	63°	
Vertical beamwidth	17°	15°	
Gain	12.5 dBd (14.6 dBi)	13.0 dBd (15.1 dBi)	
Electrical downtilt (X)	0, 2, 3, 4, 5, 6, 8, 9, 10, 12, 14		
Impedance	50Ω		
VSWR	≤1.35:1		
Upper sidelobe suppression (0°)	-16.3 dB	-22.1 dB	
Front-to-back ratio (+/-30°)	-36.1 dB	-34.9 dB	
Null fill	5% (-26.02 dB)		
Isolation between ports	< -30 dB		
Input power with EDIN connectors	500 W		
Input power with NE connectors	300 W		
Lightning protection	Direct Ground		
Connector(s)	2 Ports / EDIN or NE / Female / Center (Back)		
Mechanical Characteristics			
Dimensions Length x Width x Depth	1205 x 285 x 133 mm	47.4 x 11.2 x 5.2 in	
Depth with z-brackets	173 mm	6.8 in	
Weight without mounting brackets	4.5 kg	9.9 lbs	
Survival wind speed	> 201 km/hr	> 125 mph	
Wind area	Front: 0.34 m ² Side: 0.16 m ²	Front: 3.7 ft ² Side: 1.7 ft ²	
Wind load @ 161 km/hr (100 mph)	Front: 498 N Side: 260 N	Front: 111 lbf Side: 55 lbf	
Mounting Options	Part Number	Fits Pipe Diameter	Weight
2-Point Mounting Bracket Kit	36210002	50-160 mm 2.0-6.3 in	4.5 kg 10 lbs
2-Point Downtilt Bracket Kit (0-20°)	36114003	50-160 mm 2.0-6.3 in	4.9 kg 11 lbs
Downtilt Mounting Applications	A mounting bracket and downtilt bracket kit must be ordered for downtilt applications		
Concealment Configurations	For concealment configurations, order BXA-70063-4CF-EDIN-X-FP		

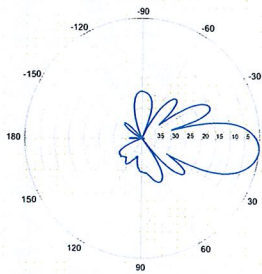


Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.

BXA-70063-4CF-EDIN-X

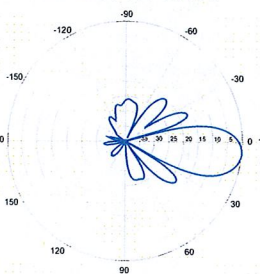
X-Pol | FET Panel | 63° | 13.0 dBi

BXA-70063-4CF-EDIN-5



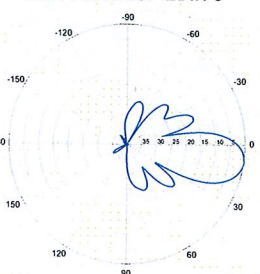
5° | Vertical | 750 MHz

BXA-70063-4CF-EDIN-6



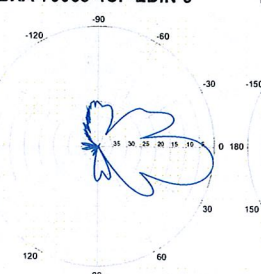
6° | Vertical | 750 MHz

BXA-70063-4CF-EDIN-8



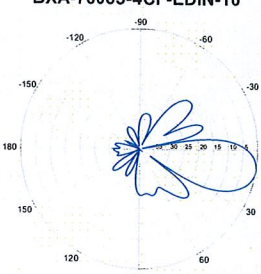
8° | Vertical | 750 MHz

BXA-70063-4CF-EDIN-9

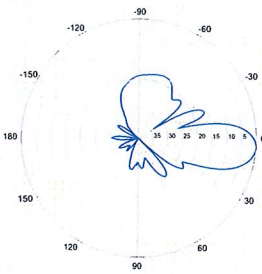


9° | Vertical | 750 MHz

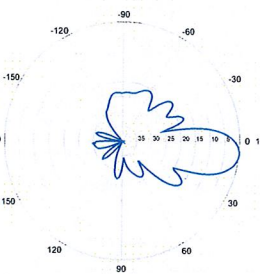
BXA-70063-4CF-EDIN-10



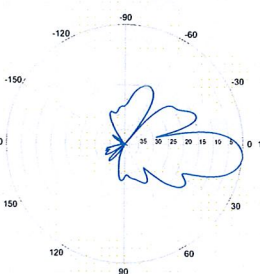
10° | Vertical | 750 MHz



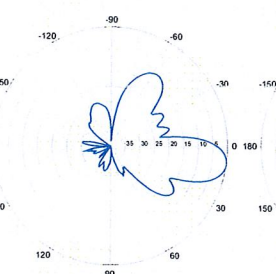
5° | Vertical | 850 MHz



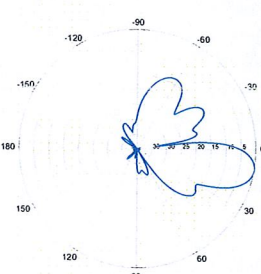
6° | Vertical | 850 MHz



8° | Vertical | 850 MHz

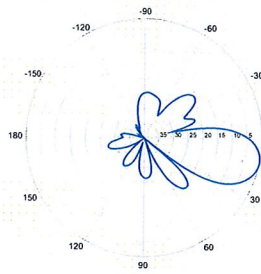


9° | Vertical | 850 MHz



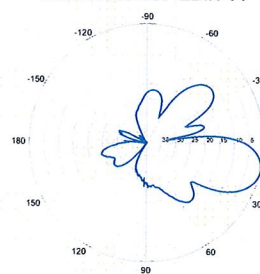
10° | Vertical | 850 MHz

BXA-70063-4CF-EDIN-12

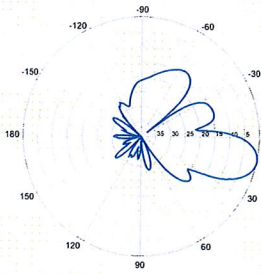


12° | Vertical | 750 MHz

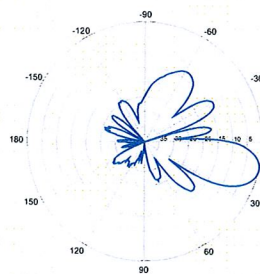
BXA-70063-4CF-EDIN-14



14° | Vertical | 750 MHz



12° | Vertical | 850 MHz



14° | Vertical | 850 MHz

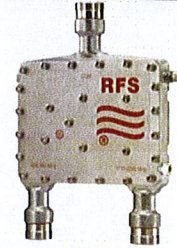
Quoted performance parameters are provided to offer typical or range values only and may vary as a result of normal manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to product may be made without notice.



ShareLite Wideband Diplexer – In-line 698-960 MHz/1710-2200 MHz, DC pass in high frequency path

Product Description

The ShareLite FD9R6004 Series of diplexers are designed to enable feeder sharing between systems in the 698-960 MHz range and in the 1710-2200 MHz range. The diplexer is equipped with in-line connector placement so it can be installed in the BTS cabinet or at the tower top. This is especially valuable in crowded sites or when the feeders are not easily accessible. Due to its wideband design, the FD9R6004 Series can accommodate many combining solutions between 698-960 MHz and 1710-2200 MHz systems such as LTE 700 MHz, Cellular 800 MHz with PCS, GSM900 with GSM1800, or GSM900 with UMTS. This diplexer features a highly selective filter. It provides a high level of isolation between ports, while keeping the insertion loss on both paths at an extremely low level. The FD9R6004 diplexers are available with various DC pass options, helpful in configurations with or without the Tower Mount Amplifiers installed.



Features/Benefits

- LTE ready design
- Extremely Low Insertion Loss
- High level of Rejection between bands – Protection against interferences
- Extremely High Power Handling Capability
- Integrated DC block/bypass versions available
- Very compact & small size design – Easy installation and reduced tower load
- In-line long-neck connectors for easy connection & waterproofing
- Exceptional reliability & environmental protection (IP 67)
- Equipped with 1 * Breathable Vent – Prevent any humidity inside the product
- Mounting hardware for Wall and Pole mount provided (P/N SEM2-1A)
- Grounding already provided through the mounting bracket
- Kit available for easy dual mount

Technical Specifications

Product Type	Diplexer/Cross Band Coupler
Frequency Range 1, MHz	698-960
Frequency Range 2, MHz	1710-2200
Application	LTE700, GSM900, UMTS, GSM1800, Cellular 800, PCS
Configuration	Sharelite Single diplexer, outdoor, DC pass in the 1710-2170MHz path, with mounting hardware SEM2-1A
Mounting	Wall Mounting: With 4 screws (maximum 6mm diameter); Pole Mounting: With included clamp set 40-110mm (1.57-4.33)
Return Loss All Ports Min/Typ, dB	19/23
Power Handling Continuous, Max, W	1250 at common port; 750 in low frequency path & 500 in high frequency path
Power Handling Peak, Max, W	15000 in low frequency path & 8000 in high frequency path
Impedance, Ohms	50
Insertion Loss, Path 1, dB	0.07 typ.
Insertion Loss, Path 2, dB	0.13 typ.
Rejection Between Bands Min/Typ, dB	58/64@698-960MHz; 60/70@1710-2200MHz
IMP Level at the COM Port, Typ, dBm	-112 @ 2x43
DC Pass in Low Frequency Path	No
DC Pass in High Frequency Path	Yes
Temperature Range, °C (°F)	-40 to +60 (-40 to +140)
Environmental	ETSI 300-019-2-4 Class 4.1E
Ingress Protection	IP 67
Lightning Protection	EN/IEC61000-4-5 Level 4
Connectors	In-line long-neck 7-16-Female
Weight, kg (lb)	1.2 (2.6)
Shipping Weight, kg (lb)	3.2 (7) for 2 * single units in 1 * box, 9.8 (21.6) for 6 * units = 3 * Boxes in 1 * overwrap
Dimensions, H x W x D, mm (in)	147 x 164 x 37 (5.8 x 6.5 x 1.5)
Shipping Dimensions, H x W x D, mm (in)	254 x 406 x 82 (10 x 16 x 3.2) for 2 * Single Units in 1 * box, 280 x 406 x 241 (11 x 16 x 9.5) for 6 * units = 3 * Boxes in 1 * overwrap
Volume, L	0.43
Housing	Aluminum

Notes

All information contained in the present datasheet is subject to confirmation at time of ordering

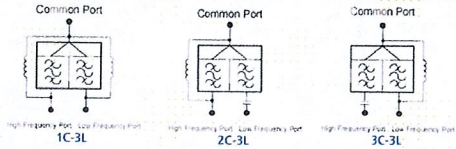


ShareLite Wideband Diplexer – In-line 698-960 MHz/1710-2200 MHz, DC pass in high frequency path

Other Documentation

FD9R6004/2C-3L Installation Instructions: Wideband_Diplexer_Installation_Rev5.pdf

Selection Guide Diplexer 698-960 / 1710-2200MHz					
	Model Number	Full DC Pass	DC Pass High Band	DC Pass Low Band	Mounting Hardware Included
Single	FD9R6004/1C-3L				X
	FD9R6004/2C-3L				X
	FD9R6004/3C-3L				X
Dual	KIT-FD9R6004/1C-DL				X
	KIT-FD9R6004/2C-DL				X
	KIT-FD9R6004/3C-DL				X

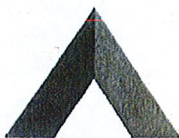


The FD9R6004 Series is upgradeable to a Dual Diplexer kit by means of 2 diplexers and mounting hardware kits SEM2-1A and SEM2-3

Mounting Hardware and Ground Cable Ordering Information		
Model Number	Description	
SEM2-1A	Mounting Hardware, Pole mount ø40-110mm (Included with the Single and Dual Diplexer) Wall Screws M6 (Not included with the product)	
SEM2-3	Assembly kit for 2 pcs of FD9R6004/C-3L (Can be ordered separately but included with the Dual Diplexer Kit)	
CA020-2	Ground Cable, 2m, includes lugs (Optional)	
CA030-2	Ground Cable, 2m, includes lugs (Optional)	
SEM6	Mounting Hardware for 6 Diplexers, Tower Base (Optional)	

All information contained in the present datasheet is subject to confirmation at time of ordering

Site Name: Enfield 4		General		Power		Density							
Tower Height: Verizon @ 130ft													
CARRIER	# OF CHAN.	WATTS ERP	HEIGHT	CALC. POWER DENS	FREQ.	MAX. PERMISS. EXP.	FRACTION MPE	Total					
*Cingular UMTS	1	500	154	0.0076	880	0.5867	1.29%						
*Cingular GSM	4	296	154	0.0180	880	0.5867	3.06%						
*Cingular GSM	2	427	154	0.0129	1900	1.0000	1.29%						
*Clearwire	2	153	112	0.0088	2496	1.0000	0.88%						
*Clearwire	1	211	112	0.0060	11 GHz	1.0000	0.60%						
*Pocket	3	631	122	0.0457	2130	1.0000	4.57%						
*SNET Paging			161	0.02161	930.9	0.6206	3.48%						
*T-Mobile GSM	8	126	140	0.0185	1945	1.0000	1.85%						
*T-Mobile UMTS	2	711	140	0.0261	2100	1.0000	2.61%						
Verizon PCS	7	228	130	0.0340	1970	1.0000	3.40%						
Verizon Cellular	9	305	130	0.0584	869	0.5793	10.08%						
Verizon AWS	1	571	130	0.0121	2145	1.0000	1.21%						
Verizon 700	1	713	130	0.0152	698	0.4653	3.26%						
								37.59%					
* Source: Siting Council													



AMERICAN TOWER®
CORPORATION

Structural Analysis Report

Structure : 150 ft ITT Meyer Monopole
ATC Site Name : Enfd - Enfield, CT
ATC Site Number : 302489
Proposed Carrier : Verizon
Carrier Site Name : Enfield 4, CT
Carrier Site Number : N/A
County : Hartford
Engineering Number : 48495821
Date : December 14, 2011
Usage : 93 %
Portholes Required : No
Result : Pass

Submitted by:
Michael Deese
Project Engineer

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



12/15/11

Introduction

The purpose of this report is to summarize results of the structural analysis performed on the 150 ft ITT Meyer Monopole located at 5 Town Farm Road, Enfield, CT 06082, Hartford County (ATC site #302489). The tower was originally designed and manufactured by ITT Meyer (Drawing #Type "B"). The tower has been modified per design by ATC (ATC Job #40071639, dated December 6, 2007).

Analysis

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

Basic Wind Speed: 95 mph (3-Second Gust)

Radial Ice: 50 mph (3-Second Gust) w/ 1.25" ice

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

Antenna Loads

The following antenna loads were used in the tower analysis.

Existing Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
150.0	6	TTA	Platform w/ Handrails	(12) 1 5/8"	AT&T Mobility
	6	Powerwave LGP13519			
	6	Allgon 7770.00		(1) 1 5/8"	USA Mobility
	1	Decibel DB809KE-SY			
140.0	6	Andrew Dual Duplex TMA	Low Profile Platform	(14) 1 5/8"	T-Mobile
	3	RFS APX16DWV-16DWV-S-E-ACU			
	3	EMS RR90-17-02DP			
122.0	3	RFS APXV18-206517S-C	Pipe	(6) 1 5/8"	Youghiogheny
112.0	1	24" x 24" Junction Box	Collar	(4) 1/2" (2) 2" (6) 5/16"	Clearwire
	2	DragonWave Horizon Compact			
	2	DragonWave A-ANT-11G-2-C			
	3	Argus LLPX310R			
	3	NextNet BTS-2500			
56.0	1	Channel Master Type 120	Dish	(1) RG6	USA Mobility
38.5	1	GPS	Standoff	(1) 1/2	AT&T Mobility

Proposed Antennas

Elev. (ft)	Qty	Antennas	Mount	Coax	Carrier
130.0	6	Antel LPA-80080/6CF	Low Profile Platform	(12) 1 5/8"	Verizon
	6	RFS FD9R6004/2C-3L			
	3	Antel BXA-171085-12CF-EDIN-X			
	3	Antel BXA-70063-4CF-EDIN-10			

Install the proposed coax in the same location as existing.

Results

The maximum structure usage is: 93 %

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	Current Analysis Reactions
Moment (ft-kips)	2,891.7
Shear (kips)	29.4

The structure base reactions resulting from this analysis are acceptable based on analysis of the existing foundation and onsite soil conditions. Factor of safety of the foundation with respect to bearing and overturning exceed two. Therefore no modification or reinforcement of the foundation will be required. Detailed calculation is shown at the end of the analysis.

Conclusion

Based on the analysis results, the structure meets the requirements per TIA-222-G standards and the 2003 IBC with 2005 CT Supplements and 2009 CT Amendments.

The tower and foundation can support the existing and proposed antennas with the TX line distribution as described in this report.

If you have any questions or require additional information, please call 919-466-5146.

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.

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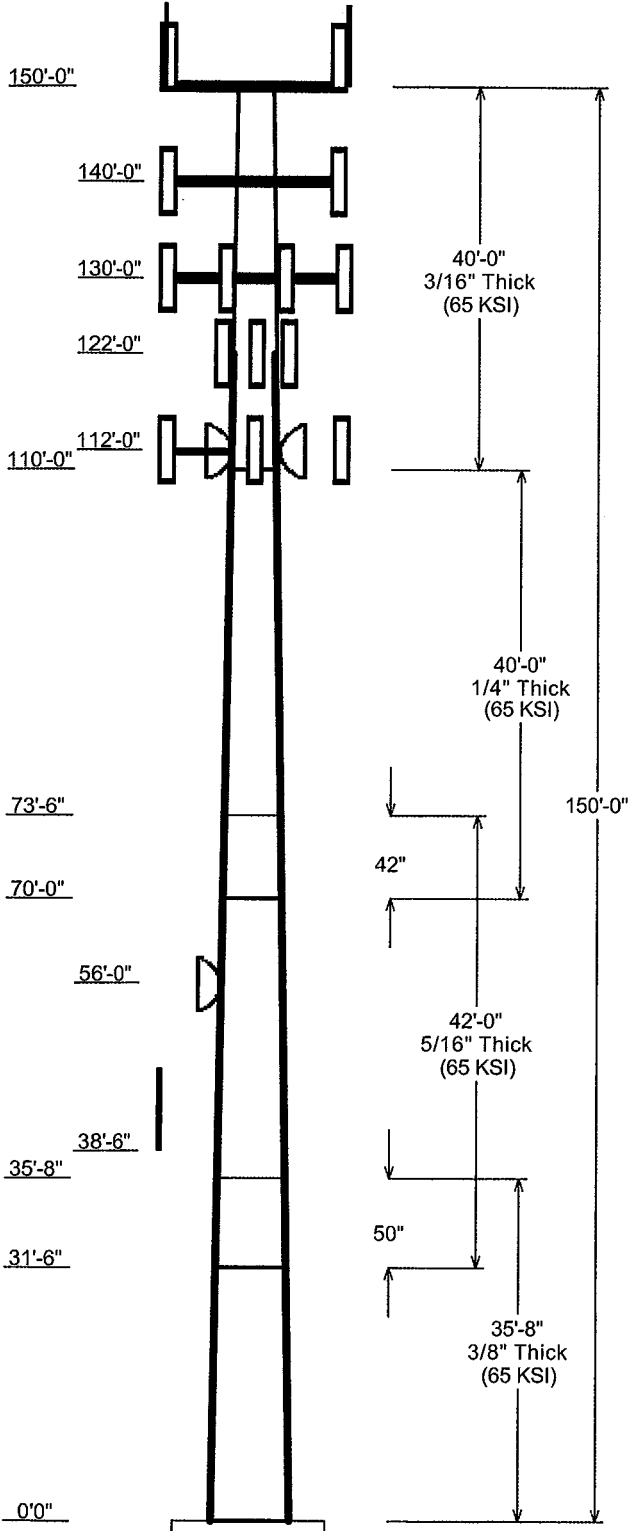
Job Information			
Pole:	302489	Code:	ANSI/TIA-222 Rev G
Description:	150' ITT Meyer Type "B" Monopole	Struct Class:	II
Client:	Verizon	Exposure:	B
Location:	Enfd - Enfield, CT	Topo:	1
Shape:	12 Sides	Base Elev (ft):	0.00
Height:	150.00 (ft)	Taper:	0.156700(in/ft)

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

Discrete Appurtenance			
Attach Elev (ft)	Force Elev (ft)	Qty	Description
150.000	154.000	6	TTA
150.000	154.000	6	Powerwave LGP13519
150.000	154.000	6	Allgon 7770.00
150.000	155.667	2	Decibel DB809KE-SY
150.000	150.000	1	Round Platform w/ Handrails
140.000	140.000	6	Andrew Dual Duplex TMA
140.000	140.000	3	RFS APX16DWV-16DWV-S-E
140.000	140.000	3	EMS RR90-17-02DP
140.000	140.000	1	Flat Low Profile Platform
130.000	130.000	1	Round Low Profile Platform
130.000	130.000	6	Antel LPA-80080/6CF
130.000	130.000	6	RFS FD9R6004/2C-3L
130.000	130.000	3	Antel BXA-171085-12CF-EDIN-X
130.000	130.000	3	Antel BXA-70063-4CF-EDIN-10
122.000	122.000	1	Flush Mounts
122.000	122.000	3	RFS APXV18-206517S-C
112.000	112.000	1	24" x 24" Junction Box
112.000	112.000	2	DragonWave Horizon Compact
112.000	112.000	2	DragonWave A-ANT-11G-2-C
112.000	112.000	3	Argus LLPX310R
112.000	112.000	3	NextNet BTS-2500
112.000	112.000	1	Collar
56.000	56.000	1	Channel Master Type 120
38.500	38.750	1	GPS

Linear Appurtenance			
Elev (ft)		Description	Exposed To Wind
125.0	140.0	1 5/8" Coax	Yes
0.000	150.0	1 5/8" Coax	No
0.000	150.0	1 5/8" Coax	No
0.000	150.0	1 5/8" Coax	Yes
0.000	38.500	1/2" Coax	Yes
0.000	56.000	RG6	Yes
0.000	112.0	1/2" Coax	Yes
0.000	112.0	2" Cond.	Yes
0.000	112.0	5/16" Coax	No
0.000	122.0	1 5/8" Coax	Yes
0.000	125.0	#20 Dywidag bars	Yes
0.000	130.0	1 5/8" Coax	Yes
0.000	140.0	1 5/8" Coax	Yes

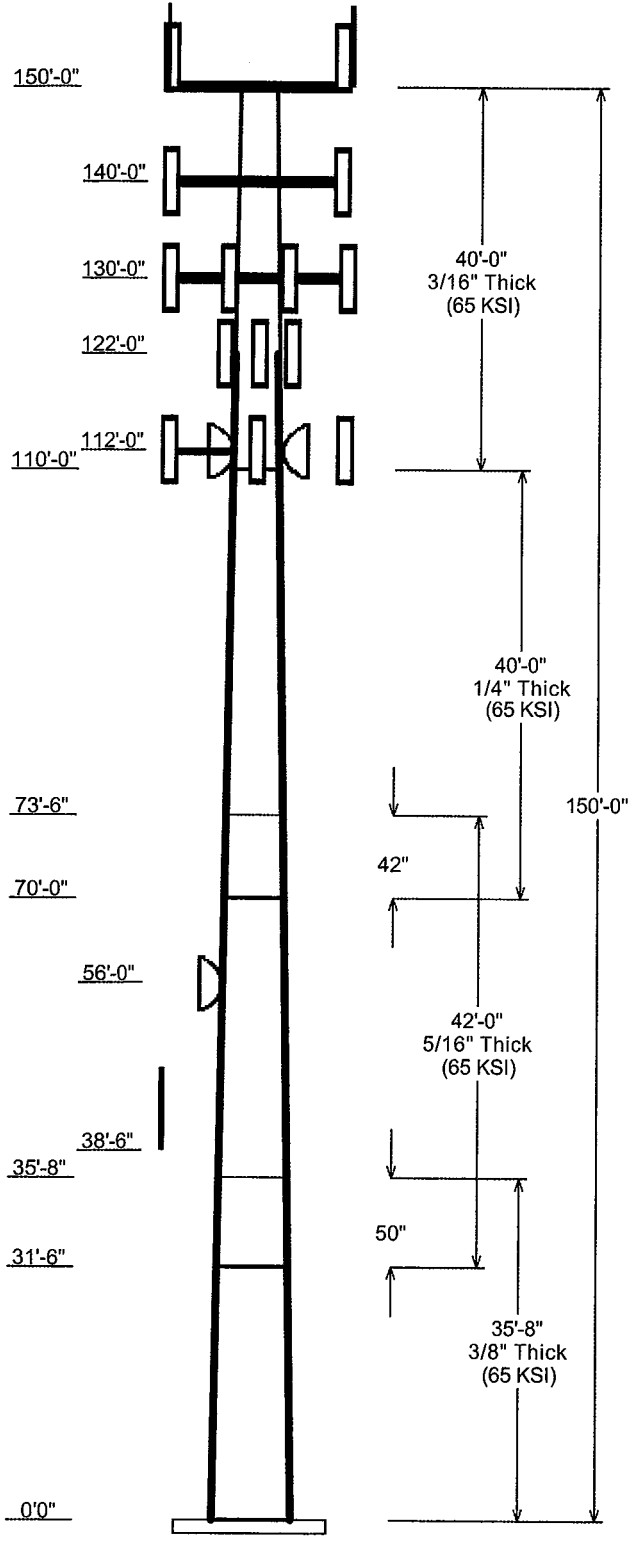
Load Cases	



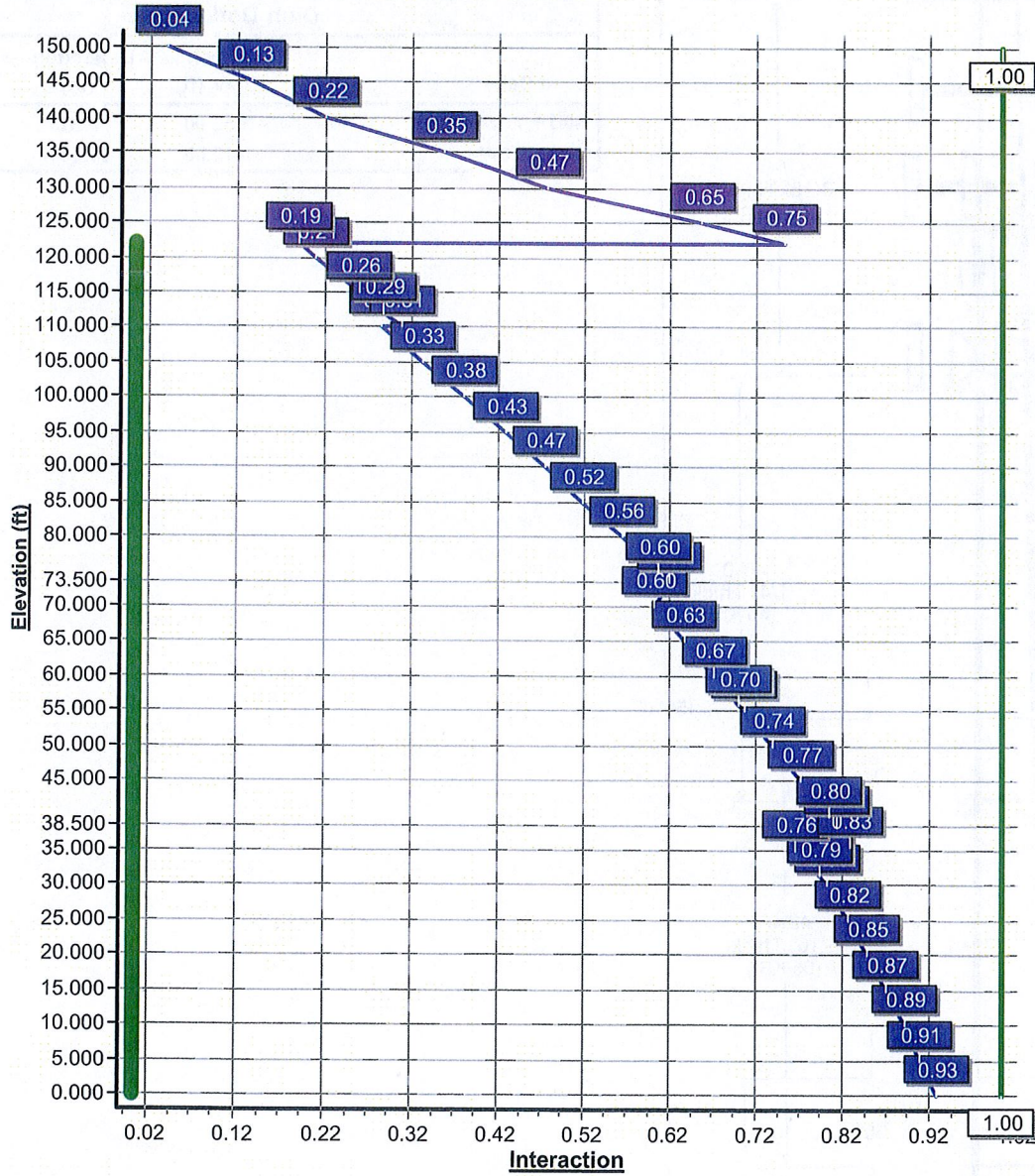
1.2D + 1.6W	95.00 mph with No Ice
0.9D + 1.6W	95.00 mph with No Ice (Reduced DL)
1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice
1.0D + 1.0W	60.00 mph Serviceability

Reactions			
Load Case	Moment (Kip-ft)	Shear (Kips)	Axial (Kips)
1.2D + 1.6W	2891.65	29.41	48.17
0.9D + 1.6W	2846.83	29.38	38.14
1.2D + 1.0Di + 1.0Wi	970.51	8.34	110.11
1.0D + 1.0W	736.48	7.58	41.56

Dish Deflections			
Load Case	Attach Elev (ft)	Deflection (in)	Rotation (deg)
1.0D + 1.0W	56.00	5.313	0.900
1.0D + 1.0W	112.00	20.436	1.609



Load Case : 1.2D + 1.6W
Max Ratio 92.57% at 0.0ft

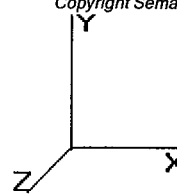


Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Base Elev : 0.000 (ft)



Shaft Section Properties

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

Discrete Appurtenance Properties

Attach Elev (ft)	Description	Qty	Weight (lb)	No Ice CaAa (sf)	CaAa Factor	Weight (lb)	Ice CaAa (sf)	CaAa Factor	Distance From Face (ft)	Vert Ecc (ft)
150.0	TTA	6	10.00	1.400	0.50	70.14	2.814	0.50	0.000	4.000
150.0	Powerwave LGP13519	6	5.00	0.340	0.50	40.69	0.803	0.50	0.000	4.000
150.0	Allgon 7770.00	6	35.00	5.880	0.75	295.36	7.347	0.75	0.000	4.000
150.0	Decibel DB809KE-SY	2	26.00	3.400	1.00	343.64	8.700	1.00	0.000	5.667
150.0	Round Platform w/ Handrails	1	2000.00	27.200	1.00	4164.07	68.024	1.00	0.000	0.000
140.0	Andrew Dual Duplex TMA	6	11.00	0.670	0.50	62.88	1.203	0.50	0.000	0.000
140.0	RFS APX16DWV-16DWV-S-E-	3	39.60	6.700	0.67	289.41	7.938	0.67	0.000	0.000
140.0	EMS RR90-17-02DP	3	18.00	4.360	0.67	213.41	6.095	0.67	0.000	0.000
140.0	Flat Low Profile Platform	1	1500.00	26.100	1.00	2574.59	57.766	1.00	0.000	0.000
130.0	Round Low Profile Platform	1	1500.00	21.700	1.00	2566.66	53.308	1.00	0.000	0.000
130.0	Antel LPA-80080/6CF	6	21.00	9.100	0.74	382.59	10.877	0.74	0.000	0.000
130.0	RFS FD9R6004/2C-3L	6	2.60	0.370	0.50	33.85	0.817	0.50	0.000	0.000
130.0	Antel BXA-171085-12CF-EDIN-	3	15.00	4.770	0.88	251.03	6.893	0.88	0.000	0.000
130.0	Antel BXA-70063-4CF-EDIN-10	3	9.90	5.160	0.74	239.30	6.358	0.74	0.000	0.000
122.0	Flush Mounts	1	200.00	3.500	1.00	769.84	9.483	1.00	0.000	0.000
122.0	RFS APXV18-206517S-C	3	26.40	5.160	0.73	255.67	7.258	0.73	0.000	0.000
112.0	24" x 24" Junction Box	1	20.00	5.600	1.00	230.08	6.273	1.00	0.000	0.000
112.0	DragonWave Horizon Compact	2	10.60	0.430	0.67	72.39	0.904	0.67	0.000	0.000
112.0	DragonWave A-ANT-11G-2-C	2	27.00	4.690	0.80	185.07	6.757	0.80	0.000	0.000
112.0	Argus LLPX310R	3	5.36	4.830	0.70	206.59	5.810	0.70	0.000	0.000
112.0	NextNet BTS-2500	3	35.00	2.120	0.67	146.27	2.813	0.67	0.000	0.000
112.0	Collar	1	40.00	8.500	1.00	94.24	20.026	1.00	0.000	0.000
56.00	Channel Master Type 120	1	188.00	20.910	1.00	663.70	25.319	1.00	0.000	0.000
38.50	GPS	1	1.50	0.600	1.00	14.57	0.327	1.00	0.000	0.250
Totals		71	6532.08			8028.07			Number of Loadings :	24

Linear Appurtenance Properties

Elev From (ft)	Elev To (ft)	Description	Exposed Width (in)	Exposed To Wind
0.00	150.00	(1) 1 5/8" Coax	0.00	N
0.00	150.00	(4) 1 5/8" Coax	0.00	N
0.00	150.00	(8) 1 5/8" Coax	3.96	Y
0.00	140.00	(6) 1 5/8" Coax	0.00	Y
125.00	140.00	(6) 1 5/8" Coax	0.00	Y
0.00	130.00	(12) 1 5/8" Coax	5.94	Y
0.00	125.00	(4) #20 Dywidag bars	5.00	Y
0.00	122.00	(6) 1 5/8" Coax	0.00	Y

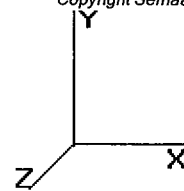
Pole : 302489
Location : Enfd - Enfield, CT
Height : 150.0 (ft)
Shape : 12 Sides
Base Dia : 37.38 (in)
Top Dia : 15.00 (in)
Taper : 0.156700 (in/ft)

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

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Base Elev : 0.000 (ft)

0.00	112.00	(4) 1/2" Coax	0.00	Y
0.00	112.00	(2) 2" Cond.	0.00	Y
0.00	112.00	(6) 5/16" Coax	0.00	N
0.00	56.00	(1) RG6	0.00	Y
0.00	38.50	(1) 1/2" Coax	0.00	Y

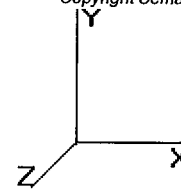
Additional Steel

Elev From (ft)	Elev To (ft)	Qty	Description	Fy (ksi)	Offset (in)	— Intermediate Connections —		Connectors	Continuation?	
						Description	Spacing (in)			Len (in)
0.00	122.0	4	SOL #20 All Thread	80	2.08	6" Angle Bracket	30.0	3.31	5/8" A36 U-Bolt	

Pole : 302489
 Location : Enfd - Enfield, CT
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 Base Dia : 37.38 (in)
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 Topographic Category : 1

Base Elev : 0.000 (ft)



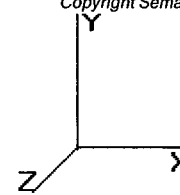
Segment Properties (Max Len : 5 ft)

Seq Top Elev (ft)	Description	Thick (in)	Flat Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	F'y (ksi)	S (in3)	Weight (lb)	Additional Reinforcing		
											Area (in^2)	Ix (in^4)	Weight (lb)
0.00		0.3750	37.380	44.684	7,810.1	24.57	99.68	65.0	403.6	0.0	19.64	4,769	0.0
5.00		0.3750	36.597	43.737	7,324.4	24.01	97.59	65.0	386.6	752.2	19.64	4,601	334.0
10.00		0.3750	35.813	42.791	6,859.3	23.45	95.50	65.0	370.0	736.1	19.64	4,436	334.0
15.00		0.3750	35.029	41.845	6,414.3	22.89	93.41	65.0	353.7	720.0	19.64	4,274	334.0
20.00		0.3750	34.246	40.899	5,989.0	22.33	91.32	65.0	337.8	703.9	19.64	4,115	334.0
25.00		0.3750	33.462	39.953	5,583.0	21.77	89.23	65.0	322.3	687.8	19.64	3,959	334.0
30.00		0.3750	32.679	39.007	5,195.7	21.21	87.14	65.0	307.1	671.7	19.64	3,806	334.0
31.50	Bot - Section 2	0.3750	32.444	38.723	5,083.1	21.04	86.52	65.0	302.7	198.4	19.64	3,761	100.2
35.00		0.3750	31.895	38.061	4,826.7	20.65	85.05	65.0	292.3	846.4	19.64	3,776	233.8
35.67	Top - Section 1	0.3125	32.416	32.304	4,249.6	25.65	103.73	65.0	253.3	159.7	19.64	3,756	44.6
38.50		0.3125	31.972	31.857	4,075.7	25.27	102.31	65.0	246.3	309.3	19.64	3,671	189.2
40.00		0.3125	31.737	31.621	3,985.6	25.07	101.56	65.0	242.6	162.0	19.64	3,627	100.2
45.00		0.3125	30.953	30.833	3,694.9	24.40	99.05	65.0	230.6	531.3	19.64	3,480	334.0
50.00		0.3125	30.170	30.044	3,418.6	23.73	96.54	65.0	218.9	517.9	19.64	3,337	334.0
55.00		0.3125	29.386	29.256	3,156.5	23.05	94.04	65.0	207.5	504.5	19.64	3,197	334.0
56.00		0.3125	29.230	29.098	3,105.7	22.92	93.54	65.0	205.3	99.3	19.64	3,169	66.8
60.00		0.3125	28.603	28.467	2,908.1	22.38	91.53	65.0	196.4	391.8	19.64	3,060	267.2
65.00		0.3125	27.819	27.679	2,673.1	21.71	89.02	65.0	185.6	477.6	19.64	2,926	334.0
70.00		0.3125	27.036	26.891	2,451.2	21.04	86.52	65.0	175.1	464.2	19.64	2,795	334.0
70.00	Bot - Section 3	0.3125	27.036	26.890	2,451.1	21.04	86.52	65.0	175.1	0.0	19.64	2,795	0.0
73.50	Top - Section 2	0.2500	26.987	21.524	1,964.0	26.78	107.95	65.0	140.6	575.9	19.64	2,787	233.8
75.00		0.2500	26.752	21.335	1,912.7	26.53	107.01	65.0	138.1	109.4	19.64	2,748	100.2
80.00		0.2500	25.969	20.704	1,748.0	25.69	103.88	65.0	130.0	357.6	19.64	2,621	334.0
85.00		0.2500	25.185	20.073	1,593.1	24.85	100.74	65.0	122.2	346.9	19.64	2,497	334.0
90.00		0.2500	24.402	19.442	1,447.6	24.01	97.61	65.0	114.6	336.2	19.64	2,376	334.0
95.00		0.2500	23.618	18.812	1,311.2	23.17	94.47	65.0	107.2	325.4	19.64	2,258	334.0
100.0		0.2500	22.835	18.181	1,183.7	22.33	91.34	65.0	100.1	314.7	19.64	2,143	334.0
105.0		0.2500	22.051	17.550	1,064.7	21.49	88.21	65.0	93.3	304.0	19.64	2,031	334.0
110.0		0.2500	21.268	16.919	954.0	20.65	85.07	65.0	86.7	293.2	19.64	1,922	334.0
110.0	Top - Section 3	0.2500	21.268	16.919	954.0	20.65	85.07	65.0	86.7	0.0	19.64	1,922	0.0
110.0	Bot - Section 4	0.1875	21.268	12.727	721.9	28.25	113.43	65.0	65.6	0.0	19.64	1,922	0.0
112.0		0.1875	20.955	12.538	690.2	27.80	111.76	65.0	63.6	86.0	19.64	1,879	133.6
115.0		0.1875	20.484	12.254	644.4	27.13	109.25	65.0	60.8	126.5	19.64	1,816	200.4
120.0		0.1875	19.701	11.781	572.6	26.01	105.07	65.0	56.1	204.5	19.64	1,713	334.0
122.0	Reinf. Top	0.1875	19.388	11.592	545.4	25.56	103.40	65.0	54.4	79.5	19.64	1,673	133.6
125.0		0.1875	18.917	11.308	506.4	24.89	100.89	65.0	51.7	116.9			
130.0		0.1875	18.134	10.835	445.4	23.77	96.71	65.0	47.5	188.4			
135.0		0.1875	17.350	10.362	389.6	22.65	92.54	65.0	43.4	180.3			
140.0		0.1875	16.567	9.889	338.6	21.53	88.36	65.0	39.5	172.3			
145.0		0.1875	15.783	9.416	292.3	20.41	84.18	65.0	35.8	164.2			
150.0		0.1875	15.000	8.943	250.5	19.29	80.00	65.0	32.3	156.2			
										13,372.1			
											8,149.6		

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 4



Load Case: 1.2D + 1.6W	95.00 mph with No Ice	26 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	15.364	16.90	256.32	1.000	0.00	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	15.364	16.90	250.95	1.200 *	0.00	5.00	15.955	19.15	517.7	0.0	1,236.6
10.00		1.00	0.70	15.364	16.90	245.57	1.200 *	0.00	5.00	15.617	18.74	506.8	0.0	1,217.3
15.00		1.00	0.70	15.364	16.90	240.20	1.200 *	0.00	5.00	15.279	18.34	495.8	0.0	1,198.0
20.00		1.00	0.70	15.364	16.90	234.83	1.200 *	0.00	5.00	14.942	17.93	484.8	0.0	1,178.7
25.00		1.00	0.70	15.364	16.90	229.45	1.200 *	0.00	5.00	14.604	17.52	473.9	0.0	1,159.4
30.00		1.00	0.70	15.377	16.91	224.18	1.200 *	0.00	5.00	14.266	17.12	463.3	0.0	1,140.1
31.50	Bot - Section 2	1.00	0.71	15.593	17.15	224.12	1.200 *	0.00	1.50	4.215	5.06	138.8	0.0	338.3
35.00		1.00	0.73	16.070	17.67	223.67	1.200 *	0.00	3.50	9.902	11.88	336.0	0.0	1,249.5
35.67	Top - Section 1	1.00	0.73	16.156	17.77	223.54	1.200 *	0.00	0.67	1.868	2.24	63.8	0.0	236.2
38.50	Appertunance(s)	1.00	0.75	16.513	18.16	227.28	1.200 *	0.00	2.83	7.869	9.44	274.4	0.0	560.4
40.00		1.00	0.76	16.694	18.36	226.85	1.200 *	0.00	1.50	4.122	4.95	145.3	0.0	294.6
45.00		1.00	0.78	17.266	18.99	225.00	1.200 *	0.00	5.00	13.521	16.23	493.1	0.0	971.5
50.00		1.00	0.81	17.793	19.57	222.63	1.200 *	0.00	5.00	13.183	15.82	495.4	0.0	955.4
55.00		1.00	0.83	18.285	20.11	219.82	1.200 *	0.00	5.00	12.845	15.41	496.0	0.0	939.4
56.00	Appertunance(s)	1.00	0.83	18.379	20.21	219.22	1.200 *	0.00	1.00	2.529	3.03	98.1	0.0	185.9
60.00		1.00	0.85	18.745	20.61	216.64	1.200 *	0.00	4.00	9.979	11.97	395.1	0.0	737.3
65.00		1.00	0.87	19.179	21.09	213.13	1.200 *	0.00	5.00	12.169	14.60	492.9	0.0	907.2
70.00		1.00	0.89	19.589	21.54	209.33	1.200 *	0.00	5.00	11.831	14.20	489.5	0.0	891.1
70.00	Bot - Section 3	1.00	0.89	19.589	21.54	209.33	1.200 *	0.00	0.00	0.001	0.00	0.0	0.0	0.1
73.50	Top - Section 2	1.00	0.90	19.864	21.85	206.52	1.200 *	0.00	3.50	8.232	9.88	345.3	0.0	924.9
75.00		1.00	0.91	19.979	21.97	209.19	1.200 *	0.00	1.50	3.476	4.17	146.7	0.0	231.4
80.00		1.00	0.92	20.351	22.38	204.94	1.200 *	0.00	5.00	11.371	13.65	488.7	0.0	763.1
85.00		1.00	0.94	20.706	22.77	200.49	1.200 *	0.00	5.00	11.033	13.24	482.5	0.0	750.3
90.00		1.00	0.95	21.047	23.15	195.84	1.200 *	0.00	5.00	10.695	12.83	475.4	0.0	737.4
95.00		1.00	0.97	21.375	23.51	191.02	1.200 *	0.00	5.00	10.357	12.43	467.6	0.0	724.5
100.0		1.00	0.98	21.690	23.86	186.05	1.200 *	0.00	5.00	10.019	12.02	459.0	0.0	711.6
105.0		1.00	1.00	21.995	24.19	180.92	1.200 *	0.00	5.00	9.681	11.62	449.7	0.0	698.8
110.0		1.00	1.01	22.289	24.51	175.65	1.200 *	0.00	5.00	9.343	11.21	439.8	0.0	685.9
110.0	Top - Section 3	1.00	1.01	22.289	24.51	175.65	1.200 *	0.00	0.00	0.001	0.00	0.0	0.0	0.0
112.0	Appertunance(s)	1.00	1.02	22.404	24.64	173.51	1.200 *	0.00	2.00	3.642	4.37	172.3	0.0	236.7
115.0		1.00	1.02	22.574	24.83	170.26	1.200 *	0.00	3.00	5.363	6.44	255.7	0.0	352.3
120.0		1.00	1.04	22.850	25.13	164.75	1.200 *	0.00	5.00	8.667	10.40	418.3	0.0	579.4
122.0	Reinf. Top	1.00	1.04	22.959	25.25	162.51	1.200 *	0.00	2.00	3.372	4.05	163.5	0.0	229.0
125.0		1.00	1.05	23.118	25.43	159.12	1.200 *	0.00	3.00	4.957	5.95	242.0	0.0	140.3
130.0	Appertunance(s)	1.00	1.06	23.379	25.71	153.39	1.200 *	0.00	5.00	7.991	9.59	394.6	0.0	226.0
135.0		1.00	1.07	23.632	25.99	147.55	1.200 *	0.00	5.00	7.653	9.18	382.0	0.0	216.4
140.0	Appertunance(s)	1.00	1.08	23.879	26.26	141.62	1.200 *	0.00	5.00	7.315	8.78	368.9	0.0	206.7
145.0		1.00	1.09	24.120	26.53	135.60	1.200 *	0.00	5.00	6.977	8.37	355.4	0.0	197.1
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	129.50	1.200 *	0.00	5.00	6.639	7.97	341.5	0.0	187.4
* = Cf Adjusted By Linear Load Ra Effect								Totals:	150.00			13,710.0	0.0	24,196.1

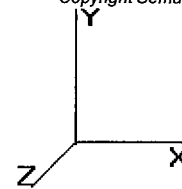
Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
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 Taper : 0.156700 (in/ft)

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

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Load Case: 1.2D + 1.6W

95.00 mph with No Ice

26 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)

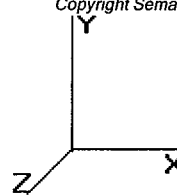
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
38.50	GPS	1	16.544	18.198	1.00	1.00	0.60	0.000	0.250	17.47	0.00	4.37	1.80
56.00	Channel Master Type	1	18.379	20.217	1.00	1.00	20.91	0.000	0.000	676.38	0.00	0.00	225.60
112.0	24" x 24" Junction	1	22.404	24.645	0.80	0.80	4.48	0.000	0.000	176.65	0.00	0.00	24.00
112.0	DragonWave Horizon	2	22.404	24.645	0.54	0.80	0.46	0.000	0.000	18.18	0.00	0.00	25.44
112.0	DragonWave A-ANT-	2	22.404	24.645	0.64	0.80	6.00	0.000	0.000	236.72	0.00	0.00	64.80
112.0	Argus LLPX310R	3	22.404	24.645	0.56	0.80	8.11	0.000	0.000	319.96	0.00	0.00	19.30
112.0	NextNet BTS-2500	3	22.404	24.645	0.54	0.80	3.41	0.000	0.000	134.42	0.00	0.00	126.00
112.0	Collar	1	22.404	24.645	0.80	0.80	6.80	0.000	0.000	268.13	0.00	0.00	48.00
122.0	Flush Mounts	1	22.959	25.254	1.00	1.00	3.50	0.000	0.000	141.42	0.00	0.00	240.00
122.0	RFS APXV18-206517S-	3	22.959	25.254	0.58	0.80	9.04	0.000	0.000	365.29	0.00	0.00	95.04
130.0	Round Low Profile Pl	1	23.379	25.717	1.00	1.00	21.70	0.000	0.000	892.88	0.00	0.00	1,800.00
130.0	Antel LPA-80080/6CF	6	23.379	25.717	0.59	0.80	32.32	0.000	0.000	1,330.00	0.00	0.00	151.20
130.0	RFS FD9R6004/2C-3L	6	23.379	25.717	0.40	0.80	0.89	0.000	0.000	36.54	0.00	0.00	18.72
130.0	Antel BXA-171085-12C	3	23.379	25.717	0.70	0.80	10.07	0.000	0.000	414.52	0.00	0.00	54.00
130.0	Antel BXA-70063-4CF-	3	23.379	25.717	0.59	0.80	9.16	0.000	0.000	377.08	0.00	0.00	35.64
140.0	Andrew Dual Duplex T	6	23.879	26.267	0.40	0.80	1.61	0.000	0.000	67.58	0.00	0.00	79.20
140.0	RFS APX16DWV-	3	23.879	26.267	0.54	0.80	10.77	0.000	0.000	452.79	0.00	0.00	142.56
140.0	EMS RR90-17-02DP	3	23.879	26.267	0.54	0.80	7.01	0.000	0.000	294.65	0.00	0.00	64.80
140.0	Flat Low Profile Pla	1	23.879	26.267	1.00	1.00	26.10	0.000	0.000	1,096.92	0.00	0.00	1,800.00
150.0	TTA	6	24.538	26.992	0.40	0.80	3.36	0.000	4.000	145.11	0.00	580.44	72.00
150.0	Powerwave LGP13519	6	24.538	26.992	0.40	0.80	0.82	0.000	4.000	35.24	0.00	140.96	36.00
150.0	Allaon 7770.00	6	24.538	26.992	0.60	0.80	21.17	0.000	4.000	914.20	0.00	3,656.78	252.00
150.0	Decibel DB809KE-SY	2	24.614	27.075	0.80	0.80	5.44	0.000	5.667	235.66	0.00	1,335.39	62.40
150.0	Round Platform w/ Ha	1	24.355	26.790	1.00	1.00	27.20	0.000	0.000	1,165.90	0.00	0.00	2,400.00
										9,813.69			7,838.50

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.6W

95.00 mph with No Ice

26 Iterations

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

Wind Importance Factor : 1.00

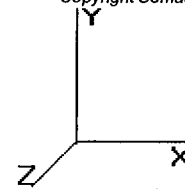
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	F X (lb)	Dead Load (lb)
5.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.389	0.000	53.54	39.36
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	29.52
5.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.389	0.000	65.32	59.03
5.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.389	0.000	65.32	400.80
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	29.52
5.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	3.60
5.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	43.80
5.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	0.17
5.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	0.90
10.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.398	0.000	53.54	39.36
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	29.52
10.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.398	0.000	65.32	59.03
10.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.398	0.000	65.32	400.80
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	29.52
10.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	3.60
10.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	43.80
10.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	0.17
10.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	0.90
15.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.406	0.000	53.54	39.36
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	29.52
15.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.406	0.000	65.32	59.03
15.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.406	0.000	65.32	400.80
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	29.52
15.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	3.60
15.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	43.80
15.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	0.17
15.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	0.90
20.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.416	0.000	53.54	39.36
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	29.52
20.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.416	0.000	65.32	59.03
20.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.416	0.000	65.32	400.80
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	29.52
20.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	3.60
20.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	43.80
20.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	0.17
20.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	0.90
25.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.425	0.000	53.54	39.36
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	29.52
25.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.425	0.000	65.32	59.03
25.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.425	0.000	65.32	400.80
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	29.52
25.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	3.60
25.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	43.80
25.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	0.17
25.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	0.90
30.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.377	0.435	0.000	53.59	39.36
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	29.52
30.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.41	15.377	0.435	0.000	65.35	59.03
30.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.41	15.377	0.435	0.000	65.35	400.80
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	29.52
30.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	3.60

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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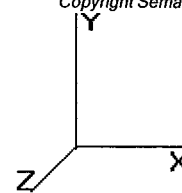
Load Case: 1.2D + 1.6W 95.00 mph with No Ice 26 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.20
Wind Load Factor: 1.60

30.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	43.80
30.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	0.17
30.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	0.90
31.50	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.50	0.59	15.593	0.442	0.000	16.31	11.81
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	8.86
31.50	(12) 1 5/8" Coax	Yes	1.50	0.969	5.94	0.74	0.72	15.593	0.442	0.000	19.75	17.71
31.50	(4) #20 Dwywidag bars	Yes	1.50	1.151	5.00	0.63	0.72	15.593	0.442	0.000	19.75	120.27
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	8.86
31.50	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	1.08
31.50	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	13.14
31.50	(1) RG6	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	0.05
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	0.27
35.00	(8) 1 5/8" Coax	Yes	3.50	1.200	3.96	1.15	1.39	16.070	0.447	0.000	39.20	27.55
35.00	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	20.66
35.00	(12) 1 5/8" Coax	Yes	3.50	0.954	5.94	1.73	1.65	16.070	0.447	0.000	46.76	41.32
35.00	(4) #20 Dwywidag bars	Yes	3.50	1.134	5.00	1.46	1.65	16.070	0.447	0.000	46.76	280.53
35.00	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	20.66
35.00	(4) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	2.52
35.00	(2) 2" Cond.	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	30.66
35.00	(1) RG6	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	0.12
35.00	(1) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	0.63
35.67	(8) 1 5/8" Coax	Yes	0.67	1.200	3.96	0.22	0.26	16.156	0.452	0.000	7.51	5.25
35.67	(6) 1 5/8" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	3.94
35.67	(12) 1 5/8" Coax	Yes	0.67	0.952	5.94	0.33	0.31	16.156	0.452	0.000	8.94	7.87
35.67	(4) #20 Dwywidag bars	Yes	0.67	1.131	5.00	0.28	0.31	16.156	0.452	0.000	8.94	53.47
35.67	(6) 1 5/8" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	3.94
35.67	(4) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	0.48
35.67	(2) 2" Cond.	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	5.84
35.67	(1) RG6	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	0.02
35.67	(1) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	0.12
38.50	(8) 1 5/8" Coax	Yes	2.83	1.200	3.96	0.93	1.12	16.513	0.447	0.000	32.60	22.30
38.50	(6) 1 5/8" Coax	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	16.72
38.50	(12) 1 5/8" Coax	Yes	2.83	0.941	5.94	1.40	1.32	16.513	0.447	0.000	38.37	33.45
38.50	(4) #20 Dwywidag bars	Yes	2.83	1.118	5.00	1.18	1.32	16.513	0.447	0.000	38.37	227.09
38.50	(6) 1 5/8" Coax	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	16.72
38.50	(4) 1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	2.04
38.50	(2) 2" Cond.	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	24.82
38.50	(1) RG6	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	0.10
38.50	(1) 1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	0.51
40.00	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.50	0.59	16.694	0.452	0.000	17.45	11.81
40.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	8.85
40.00	(12) 1 5/8" Coax	Yes	1.50	0.936	5.94	0.74	0.70	16.694	0.452	0.000	20.43	17.71
40.00	(4) #20 Dwywidag bars	Yes	1.50	1.112	5.00	0.63	0.70	16.694	0.452	0.000	20.43	120.24
40.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	8.85
40.00	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	1.08
40.00	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	13.14
40.00	(1) RG6	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	0.05
45.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	17.266	0.459	0.000	60.17	39.36
45.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	29.52
45.00	(12) 1 5/8" Coax	Yes	5.00	0.921	5.94	2.47	2.28	17.266	0.459	0.000	69.25	59.03
45.00	(4) #20 Dwywidag bars	Yes	5.00	1.094	5.00	2.08	2.28	17.266	0.459	0.000	69.25	400.80
45.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	29.52
45.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	3.60
45.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	43.80
45.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	0.17
50.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	17.793	0.471	0.000	62.01	39.36
50.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	29.52

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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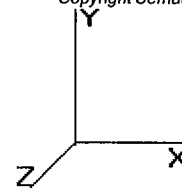


Load Case: 1.2D + 1.6W 95.00 mph with No Ice 26 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

50.00	(12) 1 5/8" Coax	Yes	5.00	0.907	5.94	2.47	2.24	17.793	0.471	0.000	70.30	59.03
50.00	(4) #20 Dywidag bars	Yes	5.00	1.077	5.00	2.08	2.24	17.793	0.471	0.000	70.30	400.80
50.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	29.52
50.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	3.60
50.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	43.80
50.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	0.17
55.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	18.285	0.483	0.000	63.72	39.36
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	29.52
55.00	(12) 1 5/8" Coax	Yes	5.00	0.895	5.94	2.47	2.21	18.285	0.483	0.000	71.26	59.03
55.00	(4) #20 Dywidag bars	Yes	5.00	1.063	5.00	2.08	2.21	18.285	0.483	0.000	71.26	400.80
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	29.52
55.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	3.60
55.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	43.80
55.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	0.17
56.00	(8) 1 5/8" Coax	Yes	1.00	1.200	3.96	0.33	0.40	18.379	0.491	0.000	12.81	7.87
56.00	(6) 1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	5.90
56.00	(12) 1 5/8" Coax	Yes	1.00	0.892	5.94	0.50	0.44	18.379	0.491	0.000	14.29	11.81
56.00	(4) #20 Dywidag bars	Yes	1.00	1.060	5.00	0.42	0.44	18.379	0.491	0.000	14.29	80.16
56.00	(6) 1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	5.90
56.00	(4) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	0.72
56.00	(2) 2" Cond.	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	8.76
56.00	(1) RG6	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	0.03
60.00	(8) 1 5/8" Coax	Yes	4.00	1.200	3.96	1.32	1.58	18.745	0.498	0.000	52.26	31.48
60.00	(6) 1 5/8" Coax	Yes	4.00	0.000	0.00	0.00	0.00	18.745	0.498	0.000	0.00	23.61
60.00	(12) 1 5/8" Coax	Yes	4.00	0.884	5.94	1.98	1.75	18.745	0.498	0.000	57.72	47.23
60.00	(4) #20 Dywidag bars	Yes	4.00	1.050	5.00	1.67	1.75	18.745	0.498	0.000	57.72	320.64
60.00	(6) 1 5/8" Coax	Yes	4.00	0.000	0.00	0.00	0.00	18.745	0.498	0.000	0.00	23.61
60.00	(4) 1/2" Coax	Yes	4.00	0.000	0.00	0.00	0.00	18.745	0.498	0.000	0.00	2.88
60.00	(2) 2" Cond.	Yes	4.00	0.000	0.00	0.00	0.00	18.745	0.498	0.000	0.00	35.04
65.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	19.179	0.510	0.000	66.83	39.36
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.179	0.510	0.000	0.00	29.52
65.00	(12) 1 5/8" Coax	Yes	5.00	0.874	5.94	2.47	2.16	19.179	0.510	0.000	72.98	59.03
65.00	(4) #20 Dywidag bars	Yes	5.00	1.038	5.00	2.08	2.16	19.179	0.510	0.000	72.98	400.80
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.179	0.510	0.000	0.00	29.52
65.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.179	0.510	0.000	0.00	3.60
65.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	19.179	0.510	0.000	0.00	43.80
70.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	19.589	0.525	0.000	68.26	39.36
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.589	0.525	0.000	0.00	29.52
70.00	(12) 1 5/8" Coax	Yes	5.00	0.864	5.94	2.47	2.14	19.589	0.525	0.000	73.76	59.03
70.00	(4) #20 Dywidag bars	Yes	5.00	1.027	5.00	2.08	2.14	19.589	0.525	0.000	73.76	400.80
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.589	0.525	0.000	0.00	29.52
70.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.589	0.525	0.000	0.00	3.60
70.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	19.589	0.525	0.000	0.00	43.80
70.00	(8) 1 5/8" Coax	Yes	0.00	1.200	3.96	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(12) 1 5/8" Coax	Yes	0.00	0.864	5.94	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(4) #20 Dywidag bars	Yes	0.00	1.027	5.00	0.00	0.00	19.589	0.532	0.000	0.00	0.03
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(4) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(2) 2" Cond.	Yes	0.00	0.000	0.00	0.00	0.00	19.589	0.532	0.000	0.00	0.00
73.50	(8) 1 5/8" Coax	Yes	3.50	1.200	3.96	1.15	1.39	19.864	0.538	0.000	48.46	27.55
73.50	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	19.864	0.538	0.000	0.00	20.66
73.50	(12) 1 5/8" Coax	Yes	3.50	0.858	5.94	1.73	1.49	19.864	0.538	0.000	51.99	41.32
73.50	(4) #20 Dywidag bars	Yes	3.50	1.020	5.00	1.46	1.49	19.864	0.538	0.000	51.99	280.56
73.50	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	19.864	0.538	0.000	0.00	20.66
73.50	(4) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	19.864	0.538	0.000	0.00	2.52
73.50	(2) 2" Cond.	Yes	3.50	0.000	0.00	0.00	0.00	19.864	0.538	0.000	0.00	30.66

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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



Load Case: 1.2D + 1.6W

95.00 mph with No Ice

26 Iterations

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

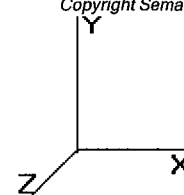
Wind Importance Factor : 1.00

75.00	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.49	0.59	19.979	0.536	0.000	20.88	11.80
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.979	0.536	0.000	0.00	8.85
75.00	(12) 1 5/8" Coax	Yes	1.50	0.856	5.94	0.74	0.64	19.979	0.536	0.000	22.34	17.71
75.00	(4) #20 Dywidaq bars	Yes	1.50	1.017	5.00	0.62	0.64	19.979	0.536	0.000	22.34	120.21
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.979	0.536	0.000	0.00	8.85
75.00	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.979	0.536	0.000	0.00	1.08
75.00	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	19.979	0.536	0.000	0.00	13.14
80.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.351	0.546	0.000	70.92	39.36
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.351	0.546	0.000	0.00	29.52
80.00	(12) 1 5/8" Coax	Yes	5.00	0.848	5.94	2.47	2.10	20.351	0.546	0.000	75.18	59.03
80.00	(4) #20 Dywidaq bars	Yes	5.00	1.007	5.00	2.08	2.10	20.351	0.546	0.000	75.18	400.80
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.351	0.546	0.000	0.00	29.52
80.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.351	0.546	0.000	0.00	3.60
80.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	20.351	0.546	0.000	0.00	43.80
85.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.706	0.563	0.000	72.16	39.36
85.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.706	0.563	0.000	0.00	29.52
85.00	(12) 1 5/8" Coax	Yes	5.00	0.841	5.94	2.47	2.08	20.706	0.563	0.000	75.83	59.03
85.00	(4) #20 Dywidaq bars	Yes	5.00	0.999	5.00	2.08	2.08	20.706	0.563	0.000	75.83	400.80
85.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.706	0.563	0.000	0.00	29.52
85.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.706	0.563	0.000	0.00	3.60
85.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	20.706	0.563	0.000	0.00	43.80
90.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.047	0.580	0.000	73.35	39.36
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.047	0.580	0.000	0.00	29.52
90.00	(12) 1 5/8" Coax	Yes	5.00	0.834	5.94	2.47	2.06	21.047	0.580	0.000	76.45	59.03
90.00	(4) #20 Dywidaq bars	Yes	5.00	0.991	5.00	2.08	2.06	21.047	0.580	0.000	76.45	400.80
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.047	0.580	0.000	0.00	29.52
90.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.047	0.580	0.000	0.00	3.60
90.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	21.047	0.580	0.000	0.00	43.80
95.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.375	0.599	0.000	74.49	39.36
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.375	0.599	0.000	0.00	29.52
95.00	(12) 1 5/8" Coax	Yes	5.00	0.827	5.94	2.47	2.05	21.375	0.599	0.000	77.05	59.03
95.00	(4) #20 Dywidaq bars	Yes	5.00	0.983	5.00	2.08	2.05	21.375	0.599	0.000	77.05	400.80
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.375	0.599	0.000	0.00	29.52
95.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.375	0.599	0.000	0.00	3.60
95.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	21.375	0.599	0.000	0.00	43.80
100.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.690	0.620	0.000	75.59	39.36
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.690	0.620	0.000	0.00	29.52
100.0	(12) 1 5/8" Coax	Yes	5.00	0.821	5.94	2.47	2.03	21.690	0.620	0.000	77.61	59.03
100.0	(4) #20 Dywidaq bars	Yes	5.00	0.976	5.00	2.08	2.03	21.690	0.620	0.000	77.61	400.80
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.690	0.620	0.000	0.00	29.52
100.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.690	0.620	0.000	0.00	3.60
100.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	21.690	0.620	0.000	0.00	43.80
105.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.995	0.641	0.000	76.65	39.36
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.995	0.641	0.000	0.00	29.52
105.0	(12) 1 5/8" Coax	Yes	5.00	0.816	5.94	2.47	2.02	21.995	0.641	0.000	78.16	59.03
105.0	(4) #20 Dywidaq bars	Yes	5.00	0.969	5.00	2.08	2.02	21.995	0.641	0.000	78.16	400.80
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.995	0.641	0.000	0.00	29.52
105.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.995	0.641	0.000	0.00	3.60
105.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	21.995	0.641	0.000	0.00	43.80
110.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	22.289	0.664	0.000	77.67	39.36
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.289	0.664	0.000	0.00	29.52
110.0	(12) 1 5/8" Coax	Yes	5.00	0.810	5.94	2.47	2.01	22.289	0.664	0.000	78.68	59.03
110.0	(4) #20 Dywidaq bars	Yes	5.00	0.963	5.00	2.08	2.01	22.289	0.664	0.000	78.68	400.80
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.289	0.664	0.000	0.00	29.52
110.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.289	0.664	0.000	0.00	3.60
110.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	22.289	0.664	0.000	0.00	43.80
110.0	(8) 1 5/8" Coax	Yes	0.00	1.200	3.96	0.00	0.00	22.289	0.677	0.000	0.01	0.00

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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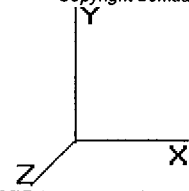
Load Case: 1.2D + 1.6W 95.00 mph with No Ice 26 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20
 Wind Load Factor : 1.60

110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	22.289	0.677	0.000	0.00	0.00
110.0	(12) 1 5/8" Coax	Yes	0.00	0.810	5.94	0.00	0.00	22.289	0.677	0.000	0.01	0.00
110.0	(4) #20 Dwywidag bars	Yes	0.00	0.963	5.00	0.00	0.00	22.289	0.677	0.000	0.01	0.03
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	22.289	0.677	0.000	0.00	0.00
110.0	(4) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	22.289	0.677	0.000	0.00	0.00
110.0	(2) 2" Cond.	Yes	0.00	0.000	0.00	0.00	0.00	22.289	0.677	0.000	0.00	0.00
112.0	(8) 1 5/8" Coax	Yes	2.00	1.200	3.96	0.66	0.79	22.404	0.682	0.000	31.22	15.74
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.404	0.682	0.000	0.00	11.80
112.0	(12) 1 5/8" Coax	Yes	2.00	0.808	5.94	0.99	0.80	22.404	0.682	0.000	31.55	23.61
112.0	(4) #20 Dwywidag bars	Yes	2.00	0.960	5.00	0.83	0.80	22.404	0.682	0.000	31.55	160.29
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.404	0.682	0.000	0.00	11.80
112.0	(4) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.404	0.682	0.000	0.00	1.44
112.0	(2) 2" Cond.	Yes	2.00	0.000	0.00	0.00	0.00	22.404	0.682	0.000	0.00	17.52
115.0	(8) 1 5/8" Coax	Yes	3.00	1.200	3.96	0.99	1.19	22.574	0.695	0.000	47.20	23.61
115.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.574	0.695	0.000	0.00	17.71
115.0	(12) 1 5/8" Coax	Yes	3.00	0.805	5.94	1.49	1.20	22.574	0.695	0.000	47.51	35.42
115.0	(4) #20 Dwywidag bars	Yes	3.00	0.957	5.00	1.25	1.20	22.574	0.695	0.000	47.51	240.48
115.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.574	0.695	0.000	0.00	17.71
120.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	22.850	0.716	0.000	79.63	39.36
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.850	0.716	0.000	0.00	29.52
120.0	(12) 1 5/8" Coax	Yes	5.00	0.800	5.94	2.47	1.98	22.850	0.716	0.000	79.66	59.03
120.0	(4) #20 Dwywidag bars	Yes	5.00	0.951	5.00	2.08	1.98	22.850	0.716	0.000	79.66	400.80
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.850	0.716	0.000	0.00	29.52
122.0	(8) 1 5/8" Coax	Yes	2.00	1.198	3.96	0.66	0.79	22.959	0.736	0.000	31.94	15.74
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.959	0.736	0.000	0.00	11.81
122.0	(12) 1 5/8" Coax	Yes	2.00	0.798	5.94	0.99	0.79	22.959	0.736	0.000	31.94	23.61
122.0	(4) #20 Dwywidag bars	Yes	2.00	0.949	5.00	0.83	0.79	22.959	0.736	0.000	31.94	160.32
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.959	0.736	0.000	0.00	11.81
125.0	(8) 1 5/8" Coax	Yes	3.00	1.193	3.96	0.99	1.18	23.118	0.751	0.000	48.08	23.61
125.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	23.118	0.751	0.000	0.00	17.71
125.0	(12) 1 5/8" Coax	Yes	3.00	0.796	5.94	1.49	1.18	23.118	0.751	0.000	48.08	35.42
125.0	(4) #20 Dwywidag bars	Yes	3.00	0.945	5.00	1.25	1.18	23.118	0.751	0.000	48.08	240.48
130.0	(8) 1 5/8" Coax	Yes	5.00	1.187	3.96	1.65	1.96	23.379	0.516	0.000	80.58	39.36
130.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.379	0.516	0.000	0.00	29.52
130.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.379	0.516	0.000	0.00	29.52
130.0	(12) 1 5/8" Coax	Yes	5.00	0.791	5.94	2.47	1.96	23.379	0.516	0.000	80.58	59.03
135.0	(8) 1 5/8" Coax	Yes	5.00	1.180	3.96	1.65	1.95	23.632	0.216	0.000	81.01	39.36
135.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.632	0.216	0.000	0.00	29.52
135.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.632	0.216	0.000	0.00	29.52
140.0	(8) 1 5/8" Coax	Yes	5.00	1.174	3.96	1.65	1.94	23.879	0.226	0.000	81.43	39.36
140.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.879	0.226	0.000	0.00	29.52
140.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.879	0.226	0.000	0.00	29.52
145.0	(8) 1 5/8" Coax	Yes	5.00	1.168	3.96	1.65	1.93	24.120	0.236	0.000	81.84	39.36
150.0	(8) 1 5/8" Coax	Yes	5.00	1.163	3.96	1.65	1.92	24.355	0.249	0.000	82.24	39.36
Totals:											5,751.84	15,441.29

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Load Case: 1.2D + 1.6W	95.00 mph with No Ice	26 Iterations
Gust Response Factor : 1.10		Wind Importance Factor : 1.00
Dead Load Factor : 1.20		
Wind Load Factor : 1.60		

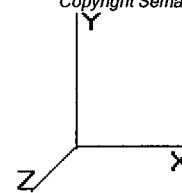
Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	701.92	1,869.54	0.00	0.00
10.00	690.95	1,850.22	0.00	0.00
15.00	679.99	1,830.91	0.00	0.00
20.00	669.02	1,811.59	0.00	0.00
25.00	658.05	1,792.28	0.00	0.00
30.00	647.58	1,772.96	0.00	0.00
31.50	194.60	528.24	0.00	0.00
35.00	468.76	1,692.49	0.00	0.00
35.67	89.13	320.60	0.00	0.00
38.50	401.24	920.76	0.00	4.37
40.00	203.65	484.20	0.00	0.00
45.00	691.72	1,603.55	0.00	0.00
50.00	698.02	1,587.46	0.00	0.00
55.00	702.29	1,571.36	0.00	0.00
56.00	815.91	537.94	0.00	0.00
60.00	562.75	1,242.78	0.00	0.00
65.00	705.71	1,538.99	0.00	0.00
70.00	705.26	1,522.90	0.00	0.00
70.00	0.05	0.10	0.00	0.00
73.50	497.78	1,367.21	0.00	0.00
75.00	212.26	420.91	0.00	0.00
80.00	710.01	1,394.97	0.00	0.00
85.00	706.32	1,382.10	0.00	0.00
90.00	701.67	1,369.22	0.00	0.00
95.00	696.14	1,356.34	0.00	0.00
100.0	689.79	1,343.47	0.00	0.00
105.0	682.68	1,330.59	0.00	0.00
110.0	674.86	1,317.71	0.00	0.00
110.0	0.04	0.09	0.00	0.00
112.0	1,420.72	796.95	0.00	0.00
115.0	397.88	701.94	0.00	0.00
120.0	657.23	1,162.18	0.00	0.00
122.0	766.05	797.21	0.00	0.00
125.0	386.26	472.24	0.00	0.00
130.0	3,606.76	2,467.63	0.00	0.00
135.0	463.00	339.37	0.00	0.00
140.0	2,362.30	2,416.28	0.00	0.00
145.0	437.28	261.03	0.00	0.00
150.0	2,919.86	3,073.77	0.00	5,713.58
Totals:	29,275.54	48,250.07	0.00	5,717.95

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 12



Load Case: 1.2D + 1.6W 95.00 mph with No Ice 26 Iterations
Gust Response Factor: 1.10 **Wind Importance Factor:** 1.00
Dead Load Factor: 1.20
Wind Load Factor: 1.60

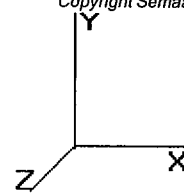
Calculated Forces

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	-48.17	-29.41	0.00	-2,891.65	0.00	2,891.65	2,613.99	1,306.99	3,984.35	1,967.72	0.00	0.00	0.926
5.00	-46.14	-28.96	0.00	-2,744.59	0.00	2,744.59	2,558.64	1,279.32	3,816.59	1,884.87	0.17	-0.32	0.907
10.00	-44.14	-28.50	0.00	-2,599.79	0.00	2,599.79	2,503.30	1,251.65	3,652.43	1,803.80	0.68	-0.64	0.888
15.00	-42.16	-28.03	0.00	-2,457.28	0.00	2,457.28	2,447.95	1,223.98	3,491.89	1,724.51	1.51	-0.96	0.867
20.00	-40.21	-27.55	0.00	-2,317.14	0.00	2,317.14	2,392.60	1,196.30	3,334.95	1,647.01	2.69	-1.27	0.846
25.00	-38.29	-27.06	0.00	-2,179.40	0.00	2,179.40	2,337.26	1,168.63	3,181.62	1,571.28	4.19	-1.59	0.823
30.00	-36.44	-26.49	0.00	-2,044.11	0.00	2,044.11	2,281.91	1,140.96	3,031.90	1,497.34	6.02	-1.90	0.799
31.50	-35.85	-26.37	0.00	-2,004.37	0.00	2,004.37	2,265.31	1,132.65	2,987.68	1,475.50	6.64	-2.00	0.792
35.00	-34.11	-25.92	0.00	-1,912.08	0.00	1,912.08	2,226.57	1,113.28	2,885.79	1,425.19	8.19	-2.22	0.763
35.67	-33.75	-25.88	0.00	-1,894.79	0.00	1,894.79	1,889.79	944.90	2,499.95	1,234.63	8.50	-2.26	0.826
38.50	-32.78	-25.52	0.00	-1,821.46	0.00	1,821.46	1,863.66	931.83	2,430.96	1,200.56	9.90	-2.44	0.810
40.00	-32.21	-25.42	0.00	-1,783.18	0.00	1,783.18	1,849.82	924.91	2,394.82	1,182.71	10.68	-2.54	0.801
45.00	-30.51	-24.82	0.00	-1,656.10	0.00	1,656.10	1,803.70	901.85	2,276.32	1,124.19	13.51	-2.86	0.770
50.00	-28.83	-24.20	0.00	-1,531.99	0.00	1,531.99	1,757.58	878.79	2,160.82	1,067.15	16.67	-3.18	0.737
55.00	-27.22	-23.49	0.00	-1,411.01	0.00	1,411.01	1,711.46	855.73	2,048.33	1,011.59	20.17	-3.49	0.703
56.00	-26.68	-22.72	0.00	-1,387.51	0.00	1,387.51	1,702.23	851.12	2,026.20	1,000.66	20.90	-3.55	0.696
60.00	-25.37	-22.20	0.00	-1,296.64	0.00	1,296.64	1,665.34	832.67	1,938.85	957.53	23.98	-3.79	0.670
65.00	-23.77	-21.51	0.00	-1,185.66	0.00	1,185.66	1,619.22	809.61	1,832.38	904.94	28.10	-4.09	0.635
70.00	-22.25	-20.75	0.00	-1,078.13	0.00	1,078.13	1,573.10	786.55	1,728.91	853.84	32.54	-4.37	0.599
70.00	-22.22	-20.79	0.00	-1,078.12	0.00	1,078.12	1,573.09	786.55	1,728.90	853.84	32.54	-4.37	0.599
73.50	-20.84	-20.23	0.00	-1,005.37	0.00	1,005.37	1,259.14	629.57	1,387.79	685.38	35.82	-4.57	0.616
75.00	-20.38	-20.05	0.00	-975.03	0.00	975.03	1,248.07	624.03	1,363.39	673.33	37.26	-4.66	0.604
80.00	-18.95	-19.32	0.00	-874.76	0.00	874.76	1,211.17	605.59	1,283.60	633.92	42.29	-4.94	0.561
85.00	-17.55	-18.58	0.00	-778.15	0.00	778.15	1,174.27	587.14	1,206.22	595.71	47.60	-5.21	0.517
90.00	-16.18	-17.82	0.00	-685.27	0.00	685.27	1,137.38	568.69	1,131.25	558.68	53.18	-5.46	0.472
95.00	-14.83	-17.05	0.00	-596.18	0.00	596.18	1,100.48	550.24	1,058.68	522.84	59.02	-5.70	0.426
100.00	-13.50	-16.28	0.00	-510.91	0.00	510.91	1,063.58	531.79	988.52	488.19	65.10	-5.92	0.379
105.00	-12.20	-15.50	0.00	-429.50	0.00	429.50	1,026.69	513.34	920.76	454.73	71.40	-6.12	0.331
110.00	-10.94	-14.71	0.00	-351.98	0.00	351.98	989.79	494.89	855.40	422.45	77.90	-6.30	0.282
110.00	-10.93	-14.71	0.00	-351.97	0.00	351.97	989.79	494.89	855.40	422.45	77.90	-6.30	0.282
110.00	-10.93	-14.71	0.00	-351.97	0.00	351.97	989.79	494.89	855.40	422.45	77.90	-6.30	0.308
112.00	-10.28	-13.23	0.00	-322.55	0.00	322.55	733.48	366.74	628.11	310.20	80.55	-6.37	0.286
115.00	-9.60	-12.78	0.00	-282.87	0.00	282.87	716.88	358.44	599.87	296.25	84.58	-6.47	0.256
120.00	-8.50	-12.00	0.00	-218.99	0.00	218.99	689.20	344.60	554.25	273.72	91.42	-6.61	0.206
122.00	-7.78	-11.16	0.00	-194.98	0.00	194.98	689.20	344.60	554.25	273.72	94.20	-6.66	0.186
122.00	-7.78	-11.16	0.00	-194.98	0.00	194.98	689.20	344.60	554.25	273.72	94.20	-6.66	0.748
125.00	-7.31	-10.75	0.00	-161.50	0.00	161.50	661.53	330.77	510.43	252.08	98.40	-6.73	0.653
130.00	-5.26	-6.90	0.00	-107.75	0.00	107.75	633.86	316.93	468.41	231.33	105.65	-7.11	0.475
135.00	-4.95	-6.42	0.00	-73.23	0.00	73.23	606.19	303.09	428.21	211.47	113.24	-7.40	0.355
140.00	-2.86	-3.77	0.00	-41.12	0.00	41.12	578.51	289.26	389.80	192.51	121.09	-7.61	0.219
145.00	-2.65	-3.31	0.00	-22.26	0.00	22.26	550.84	275.42	353.20	174.43	129.11	-7.74	0.133
150.00	0.00	-2.92	0.00	-5.71	0.00	5.71	523.17	261.58	318.40	157.25	137.23	-7.81	0.036

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Base Elev : 0.000 (ft)

Load Case: 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

26 Iterations

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

Wind Importance Factor : 1.00

Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		1.00	0.70	15.364	16.90	256.32	1.000	0.00	0.00	0.000	0.00	0.0	0.0	0.0	
5.00		1.00	0.70	15.364	16.90	250.95	1.200 *	0.00	5.00	15.955	19.15	517.7	0.0	1,011.0	
10.00		1.00	0.70	15.364	16.90	245.57	1.200 *	0.00	5.00	15.617	18.74	506.8	0.0	996.5	
15.00		1.00	0.70	15.364	16.90	240.20	1.200 *	0.00	5.00	15.279	18.34	495.8	0.0	982.0	
20.00		1.00	0.70	15.364	16.90	234.83	1.200 *	0.00	5.00	14.942	17.93	484.8	0.0	967.5	
25.00		1.00	0.70	15.364	16.90	229.45	1.200 *	0.00	5.00	14.604	17.52	473.9	0.0	953.0	
30.00		1.00	0.70	15.377	16.91	224.18	1.200 *	0.00	5.00	14.266	17.12	463.3	0.0	938.5	
31.50	Bot - Section 2	1.00	0.71	15.593	17.15	224.12	1.200 *	0.00	1.50	4.215	5.06	138.8	0.0	278.8	
35.00		1.00	0.73	16.070	17.67	223.67	1.200 *	0.00	3.50	9.902	11.88	336.0	0.0	995.6	
35.67	Top - Section 1	1.00	0.73	16.156	17.77	223.54	1.200 *	0.00	0.67	1.868	2.24	63.8	0.0	188.3	
38.50	Appertunance(s)	1.00	0.75	16.513	18.16	227.28	1.200 *	0.00	2.83	7.869	9.44	274.4	0.0	467.6	
40.00		1.00	0.76	16.694	18.36	226.85	1.200 *	0.00	1.50	4.122	4.95	145.3	0.0	246.0	
45.00		1.00	0.78	17.266	18.99	225.00	1.200 *	0.00	5.00	13.521	16.23	493.1	0.0	812.2	
50.00		1.00	0.81	17.793	19.57	222.63	1.200 *	0.00	5.00	13.183	15.82	495.4	0.0	800.1	
55.00		1.00	0.83	18.285	20.11	219.82	1.200 *	0.00	5.00	12.845	15.41	496.0	0.0	788.0	
56.00	Appertunance(s)	1.00	0.83	18.379	20.21	219.22	1.200 *	0.00	1.00	2.529	3.03	98.1	0.0	156.2	
60.00		1.00	0.85	18.745	20.61	216.64	1.200 *	0.00	4.00	9.979	11.97	395.1	0.0	619.8	
65.00		1.00	0.87	19.179	21.09	213.13	1.200 *	0.00	5.00	12.169	14.60	492.9	0.0	763.9	
70.00		1.00	0.89	19.589	21.54	209.33	1.200 *	0.00	5.00	11.831	14.20	489.5	0.0	751.8	
70.00	Bot - Section 3	1.00	0.89	19.589	21.54	209.33	1.200 *	0.00	0.00	0.001	0.00	0.0	0.0	0.1	
73.50	Top - Section 2	1.00	0.90	19.864	21.85	206.52	1.200 *	0.00	3.50	8.232	9.88	345.3	0.0	752.1	
75.00		1.00	0.91	19.979	21.97	209.19	1.200 *	0.00	1.50	3.476	4.17	146.7	0.0	198.6	
80.00		1.00	0.92	20.351	22.38	204.94	1.200 *	0.00	5.00	11.371	13.65	488.7	0.0	655.9	
85.00		1.00	0.94	20.706	22.77	200.49	1.200 *	0.00	5.00	11.033	13.24	482.5	0.0	646.2	
90.00		1.00	0.95	21.047	23.15	195.84	1.200 *	0.00	5.00	10.695	12.83	475.4	0.0	636.5	
95.00		1.00	0.97	21.375	23.51	191.02	1.200 *	0.00	5.00	10.357	12.43	467.6	0.0	626.9	
100.0		1.00	0.98	21.690	23.86	186.05	1.200 *	0.00	5.00	10.019	12.02	459.0	0.0	617.2	
105.0		1.00	1.00	21.995	24.19	180.92	1.200 *	0.00	5.00	9.681	11.62	449.7	0.0	607.6	
110.0		1.00	1.01	22.289	24.51	175.65	1.200 *	0.00	5.00	9.343	11.21	439.8	0.0	597.9	
110.0	Top - Section 3	1.00	1.01	22.289	24.51	175.65	1.200 *	0.00	0.00	0.001	0.00	0.0	0.0	0.0	
112.0	Appertunance(s)	1.00	1.02	22.404	24.64	173.51	1.200 *	0.00	2.00	3.642	4.37	172.3	0.0	210.9	
115.0		1.00	1.02	22.574	24.83	170.26	1.200 *	0.00	3.00	5.363	6.44	255.7	0.0	314.3	
120.0		1.00	1.04	22.850	25.13	164.75	1.200 *	0.00	5.00	8.667	10.40	418.3	0.0	518.0	
122.0	Reinf. Top	1.00	1.04	22.959	25.25	162.51	1.200 *	0.00	2.00	3.372	4.05	163.5	0.0	205.2	
125.0		1.00	1.05	23.118	25.43	159.12	1.200 *	0.00	3.00	4.957	5.95	242.0	0.0	105.2	
130.0	Appertunance(s)	1.00	1.06	23.379	25.71	153.39	1.200 *	0.00	5.00	7.991	9.59	394.6	0.0	169.5	
135.0		1.00	1.07	23.632	25.99	147.55	1.200 *	0.00	5.00	7.653	9.18	382.0	0.0	162.3	
140.0	Appertunance(s)	1.00	1.08	23.879	26.26	141.62	1.200 *	0.00	5.00	7.315	8.78	368.9	0.0	155.0	
145.0		1.00	1.09	24.120	26.53	135.60	1.200 *	0.00	5.00	6.977	8.37	355.4	0.0	147.8	
150.0	Appertunance(s)	1.00	1.11	24.355	26.79	129.50	1.200 *	0.00	5.00	6.639	7.97	341.5	0.0	140.6	
								Totals:				150.00	13,710.0	0.0	20,184.5

* = Cf Adjusted By Linear Load Ra Effect

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

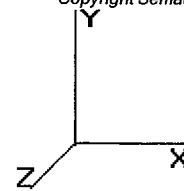
Code: ANSI/TIA-222 Rev G
 Struct Class : II
 Exposure Category : B
 Topographic Category : 1

Base Elev : 0.000 (ft)

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Load Case: 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

26 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

Discrete Appurtenance Segment Forces (Factored)

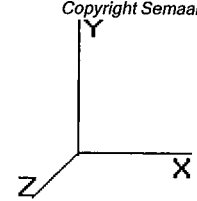
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
38.50	GPS	1	16.544	18.198	1.00	1.00	0.60	0.000	0.250	17.47	0.00	4.37	1.35
56.00	Channel Master Type	1	18.379	20.217	1.00	1.00	20.91	0.000	0.000	676.38	0.00	0.00	169.20
112.0	24" x 24" Junction	1	22.404	24.645	0.80	0.80	4.48	0.000	0.000	176.65	0.00	0.00	18.00
112.0	DragonWave Horizon	2	22.404	24.645	0.54	0.80	0.46	0.000	0.000	18.18	0.00	0.00	19.08
112.0	DragonWave A-ANT-	2	22.404	24.645	0.64	0.80	6.00	0.000	0.000	236.72	0.00	0.00	48.60
112.0	Argus LLPX310R	3	22.404	24.645	0.56	0.80	8.11	0.000	0.000	319.96	0.00	0.00	14.47
112.0	NextNet BTS-2500	3	22.404	24.645	0.54	0.80	3.41	0.000	0.000	134.42	0.00	0.00	94.50
112.0	Collar	1	22.404	24.645	0.80	0.80	6.80	0.000	0.000	268.13	0.00	0.00	36.00
122.0	Flush Mounts	1	22.959	25.254	1.00	1.00	3.50	0.000	0.000	141.42	0.00	0.00	180.00
122.0	RFS APXV18-206517S-	3	22.959	25.254	0.58	0.80	9.04	0.000	0.000	365.29	0.00	0.00	71.28
130.0	Round Low Profile PI	1	23.379	25.717	1.00	1.00	21.70	0.000	0.000	892.88	0.00	0.00	1,350.00
130.0	Antel LPA-80080/GCF	6	23.379	25.717	0.59	0.80	32.32	0.000	0.000	1,330.00	0.00	0.00	113.40
130.0	RFS FD9R6004/2C-3L	6	23.379	25.717	0.40	0.80	0.89	0.000	0.000	36.54	0.00	0.00	14.04
130.0	Antel BXA-171085-12C	3	23.379	25.717	0.70	0.80	10.07	0.000	0.000	414.52	0.00	0.00	40.50
130.0	Antel BXA-70063-4CF-	3	23.379	25.717	0.59	0.80	9.16	0.000	0.000	377.08	0.00	0.00	26.73
140.0	Andrew Dual Duplex T	6	23.879	26.267	0.40	0.80	1.61	0.000	0.000	67.58	0.00	0.00	59.40
140.0	RFS APX16DWV-	3	23.879	26.267	0.54	0.80	10.77	0.000	0.000	452.79	0.00	0.00	106.92
140.0	EMS RR90-17-02DP	3	23.879	26.267	0.54	0.80	7.01	0.000	0.000	294.65	0.00	0.00	48.60
140.0	Flat Low Profile Pla	1	23.879	26.267	1.00	1.00	26.10	0.000	0.000	1,096.92	0.00	0.00	1,350.00
150.0	TTA	6	24.538	26.992	0.40	0.80	3.36	0.000	4.000	145.11	0.00	580.44	54.00
150.0	Powerwave LGP13519	6	24.538	26.992	0.40	0.80	0.82	0.000	4.000	35.24	0.00	140.96	27.00
150.0	Allaon 7770.00	6	24.538	26.992	0.60	0.80	21.17	0.000	4.000	914.20	0.00	3,656.78	189.00
150.0	Decibel DB809KE-SY	2	24.614	27.075	0.80	0.80	5.44	0.000	5.667	235.66	0.00	1,335.39	46.80
150.0	Round Platform w/ Ha	1	24.355	26.790	1.00	1.00	27.20	0.000	0.000	1,165.90	0.00	0.00	1,800.00
										9,813.69			5,878.87

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)

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 Page: 15



Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 26 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 0.90
Wind Load Factor : 1.60

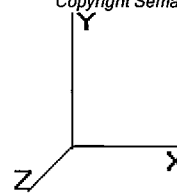
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.389	0.000	53.54	29.52
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	22.14
5.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.389	0.000	65.32	44.27
5.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.389	0.000	65.32	300.60
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	22.14
5.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	2.70
5.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	32.85
5.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	0.13
5.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.389	0.000	0.00	0.68
10.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.398	0.000	53.54	29.52
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	22.14
10.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.398	0.000	65.32	44.27
10.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.398	0.000	65.32	300.60
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	22.14
10.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	2.70
10.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	32.85
10.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	0.13
10.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.398	0.000	0.00	0.68
15.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.406	0.000	53.54	29.52
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	22.14
15.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.406	0.000	65.32	44.27
15.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.406	0.000	65.32	300.60
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	22.14
15.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	2.70
15.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	32.85
15.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	0.13
15.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.406	0.000	0.00	0.68
20.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.416	0.000	53.54	29.52
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	22.14
20.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.416	0.000	65.32	44.27
20.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.416	0.000	65.32	300.60
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	22.14
20.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	2.70
20.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	32.85
20.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	0.13
20.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.416	0.000	0.00	0.68
25.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.364	0.425	0.000	53.54	29.52
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	22.14
25.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.42	15.364	0.425	0.000	65.32	44.27
25.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.42	15.364	0.425	0.000	65.32	300.60
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	22.14
25.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	2.70
25.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	32.85
25.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	0.13
25.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.364	0.425	0.000	0.00	0.68
30.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	15.377	0.435	0.000	53.59	29.52
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	22.14
30.00	(12) 1 5/8" Coax	Yes	5.00	0.976	5.94	2.47	2.41	15.377	0.435	0.000	65.35	44.27
30.00	(4) #20 Dywidag bars	Yes	5.00	1.159	5.00	2.08	2.41	15.377	0.435	0.000	65.35	300.60
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	22.14
30.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	2.70

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

26 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

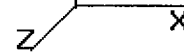
30.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	32.85
30.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	0.13
30.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	15.377	0.435	0.000	0.00	0.68
31.50	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.50	0.59	15.593	0.442	0.000	16.31	8.86
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	6.64
31.50	(12) 1 5/8" Coax	Yes	1.50	0.969	5.94	0.74	0.72	15.593	0.442	0.000	19.75	13.29
31.50	(4) #20 Dwydaga bars	Yes	1.50	1.151	5.00	0.63	0.72	15.593	0.442	0.000	19.75	90.20
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	6.64
31.50	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	0.81
31.50	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	9.86
31.50	(1) RG6	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	0.04
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	15.593	0.442	0.000	0.00	0.20
35.00	(8) 1 5/8" Coax	Yes	3.50	1.200	3.96	1.15	1.39	16.070	0.447	0.000	39.20	20.66
35.00	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	15.49
35.00	(12) 1 5/8" Coax	Yes	3.50	0.954	5.94	1.73	1.65	16.070	0.447	0.000	46.76	30.99
35.00	(4) #20 Dwydaga bars	Yes	3.50	1.134	5.00	1.46	1.65	16.070	0.447	0.000	46.76	210.40
35.00	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	15.49
35.00	(4) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	1.89
35.00	(2) 2" Cond.	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	22.99
35.00	(1) RG6	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	0.09
35.00	(1) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	16.070	0.447	0.000	0.00	0.47
35.67	(8) 1 5/8" Coax	Yes	0.67	1.200	3.96	0.22	0.26	16.156	0.452	0.000	7.51	3.94
35.67	(6) 1 5/8" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	2.95
35.67	(12) 1 5/8" Coax	Yes	0.67	0.952	5.94	0.33	0.31	16.156	0.452	0.000	8.94	5.91
35.67	(4) #20 Dwydaga bars	Yes	0.67	1.131	5.00	0.28	0.31	16.156	0.452	0.000	8.94	40.10
35.67	(6) 1 5/8" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	2.95
35.67	(4) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	0.36
35.67	(2) 2" Cond.	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	4.38
35.67	(1) RG6	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	0.02
35.67	(1) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	16.156	0.452	0.000	0.00	0.09
38.50	(8) 1 5/8" Coax	Yes	2.83	1.200	3.96	0.93	1.12	16.513	0.447	0.000	32.60	16.72
38.50	(6) 1 5/8" Coax	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	12.54
38.50	(12) 1 5/8" Coax	Yes	2.83	0.941	5.94	1.40	1.32	16.513	0.447	0.000	38.37	25.09
38.50	(4) #20 Dwydaga bars	Yes	2.83	1.118	5.00	1.18	1.32	16.513	0.447	0.000	38.37	170.32
38.50	(6) 1 5/8" Coax	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	12.54
38.50	(4) 1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	1.53
38.50	(2) 2" Cond.	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	18.61
38.50	(1) RG6	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	0.07
38.50	(1) 1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	16.513	0.447	0.000	0.00	0.38
40.00	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.50	0.59	16.694	0.452	0.000	17.45	8.85
40.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	6.64
40.00	(12) 1 5/8" Coax	Yes	1.50	0.936	5.94	0.74	0.70	16.694	0.452	0.000	20.43	13.28
40.00	(4) #20 Dwydaga bars	Yes	1.50	1.112	5.00	0.63	0.70	16.694	0.452	0.000	20.43	90.18
40.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	6.64
40.00	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	0.81
40.00	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	9.85
40.00	(1) RG6	Yes	1.50	0.000	0.00	0.00	0.00	16.694	0.452	0.000	0.00	0.04
45.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	17.266	0.459	0.000	60.17	29.52
45.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	22.14
45.00	(12) 1 5/8" Coax	Yes	5.00	0.921	5.94	2.47	2.28	17.266	0.459	0.000	69.25	44.27
45.00	(4) #20 Dwydaga bars	Yes	5.00	1.094	5.00	2.08	2.28	17.266	0.459	0.000	69.25	300.60
45.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	22.14
45.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	2.70
45.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	32.85
45.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	17.266	0.459	0.000	0.00	0.13
50.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	17.793	0.471	0.000	62.01	29.52
50.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	22.14

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 26 Iterations

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

Dead Load Factor: 0.90

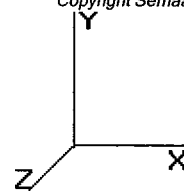
Wind Load Factor: 1.60

50.00	(12) 1 5/8" Coax	Yes	5.00	0.907	5.94	2.47	2.24	17.793	0.471	0.000	70.30	44.27
50.00	(4) #20 Dywidag bars	Yes	5.00	1.077	5.00	2.08	2.24	17.793	0.471	0.000	70.30	300.60
50.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	22.14
50.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	2.70
50.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	32.85
50.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	17.793	0.471	0.000	0.00	0.13
55.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	18.285	0.483	0.000	63.72	29.52
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	22.14
55.00	(12) 1 5/8" Coax	Yes	5.00	0.895	5.94	2.47	2.21	18.285	0.483	0.000	71.26	44.27
55.00	(4) #20 Dywidag bars	Yes	5.00	1.063	5.00	2.08	2.21	18.285	0.483	0.000	71.26	300.60
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	22.14
55.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	2.70
55.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	32.85
55.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	18.285	0.483	0.000	0.00	0.13
56.00	(8) 1 5/8" Coax	Yes	1.00	1.200	3.96	0.33	0.40	18.379	0.491	0.000	12.81	5.90
56.00	(6) 1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	4.43
56.00	(12) 1 5/8" Coax	Yes	1.00	0.892	5.94	0.50	0.44	18.379	0.491	0.000	14.29	8.85
56.00	(4) #20 Dywidag bars	Yes	1.00	1.060	5.00	0.42	0.44	18.379	0.491	0.000	14.29	60.12
56.00	(6) 1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	4.43
56.00	(4) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	0.54
56.00	(2) 2" Cond.	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	6.57
56.00	(1) RG6	Yes	1.00	0.000	0.00	0.00	0.00	18.379	0.491	0.000	0.00	0.03
60.00	(8) 1 5/8" Coax	Yes	4.00	1.200	3.96	1.32	1.58	18.745	0.498	0.000	52.26	23.61
60.00	(6) 1 5/8" Coax	Yes	4.00	0.000	0.00	0.00	0.00	18.745	0.498	0.000	0.00	17.71
60.00	(12) 1 5/8" Coax	Yes	4.00	0.884	5.94	1.98	1.75	18.745	0.498	0.000	57.72	35.42
60.00	(4) #20 Dywidag bars	Yes	4.00	1.050	5.00	1.67	1.75	18.745	0.498	0.000	57.72	240.48
60.00	(6) 1 5/8" Coax	Yes	4.00	0.000	0.00	0.00	0.00	18.745	0.498	0.000	0.00	17.71
60.00	(4) 1/2" Coax	Yes	4.00	0.000	0.00	0.00	0.00	18.745	0.498	0.000	0.00	2.16
60.00	(2) 2" Cond.	Yes	4.00	0.000	0.00	0.00	0.00	18.745	0.498	0.000	0.00	26.28
65.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	19.179	0.510	0.000	66.83	29.52
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.179	0.510	0.000	0.00	22.14
65.00	(12) 1 5/8" Coax	Yes	5.00	0.874	5.94	2.47	2.16	19.179	0.510	0.000	72.98	44.27
65.00	(4) #20 Dywidag bars	Yes	5.00	1.038	5.00	2.08	2.16	19.179	0.510	0.000	72.98	300.60
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.179	0.510	0.000	0.00	22.14
65.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.179	0.510	0.000	0.00	2.70
65.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	19.179	0.510	0.000	0.00	32.85
70.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	19.589	0.525	0.000	68.26	29.52
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.589	0.525	0.000	0.00	22.14
70.00	(12) 1 5/8" Coax	Yes	5.00	0.864	5.94	2.47	2.14	19.589	0.525	0.000	73.76	44.27
70.00	(4) #20 Dywidag bars	Yes	5.00	1.027	5.00	2.08	2.14	19.589	0.525	0.000	73.76	300.60
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.589	0.525	0.000	0.00	22.14
70.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	19.589	0.525	0.000	0.00	2.70
70.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	19.589	0.525	0.000	0.00	32.85
70.00	(8) 1 5/8" Coax	Yes	0.00	1.200	3.96	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(12) 1 5/8" Coax	Yes	0.00	0.864	5.94	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(4) #20 Dywidag bars	Yes	0.00	1.027	5.00	0.00	0.00	19.589	0.532	0.000	0.00	0.02
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(4) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	19.589	0.532	0.000	0.00	0.00
70.00	(2) 2" Cond.	Yes	0.00	0.000	0.00	0.00	0.00	19.589	0.532	0.000	0.00	0.00
73.50	(8) 1 5/8" Coax	Yes	3.50	1.200	3.96	1.15	1.39	19.864	0.538	0.000	48.46	20.66
73.50	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	19.864	0.538	0.000	0.00	15.50
73.50	(12) 1 5/8" Coax	Yes	3.50	0.858	5.94	1.73	1.49	19.864	0.538	0.000	51.99	30.99
73.50	(4) #20 Dywidag bars	Yes	3.50	1.020	5.00	1.46	1.49	19.864	0.538	0.000	51.99	210.42
73.50	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	19.864	0.538	0.000	0.00	15.50
73.50	(4) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	19.864	0.538	0.000	0.00	1.89
73.50	(2) 2" Cond.	Yes	3.50	0.000	0.00	0.00	0.00	19.864	0.538	0.000	0.00	23.00

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 0.9D + 1.6W

95.00 mph with No Ice (Reduced DL)

26 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 0.90

Wind Load Factor : 1.60

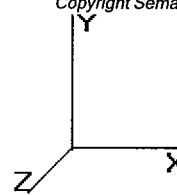
75.00	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.49	0.59	19.979	0.536	0.000	20.88	8.85
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.979	0.536	0.000	0.00	6.64
75.00	(12) 1 5/8" Coax	Yes	1.50	0.856	5.94	0.74	0.64	19.979	0.536	0.000	22.34	13.28
75.00	(4) #20 Dywidag bars	Yes	1.50	1.017	5.00	0.62	0.64	19.979	0.536	0.000	22.34	90.16
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.979	0.536	0.000	0.00	6.64
75.00	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	19.979	0.536	0.000	0.00	0.81
75.00	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	19.979	0.536	0.000	0.00	9.85
80.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.351	0.546	0.000	70.92	29.52
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.351	0.546	0.000	0.00	22.14
80.00	(12) 1 5/8" Coax	Yes	5.00	0.848	5.94	2.47	2.10	20.351	0.546	0.000	75.18	44.27
80.00	(4) #20 Dywidag bars	Yes	5.00	1.007	5.00	2.08	2.10	20.351	0.546	0.000	75.18	300.60
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.351	0.546	0.000	0.00	22.14
80.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.351	0.546	0.000	0.00	2.70
80.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	20.351	0.546	0.000	0.00	32.85
85.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	20.706	0.563	0.000	72.16	29.52
85.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.706	0.563	0.000	0.00	22.14
85.00	(12) 1 5/8" Coax	Yes	5.00	0.841	5.94	2.47	2.08	20.706	0.563	0.000	75.83	44.27
85.00	(4) #20 Dywidag bars	Yes	5.00	0.999	5.00	2.08	2.08	20.706	0.563	0.000	75.83	300.60
85.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.706	0.563	0.000	0.00	22.14
85.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	20.706	0.563	0.000	0.00	2.70
85.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	20.706	0.563	0.000	0.00	32.85
90.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.047	0.580	0.000	73.35	29.52
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.047	0.580	0.000	0.00	22.14
90.00	(12) 1 5/8" Coax	Yes	5.00	0.834	5.94	2.47	2.06	21.047	0.580	0.000	76.45	44.27
90.00	(4) #20 Dywidag bars	Yes	5.00	0.991	5.00	2.08	2.06	21.047	0.580	0.000	76.45	300.60
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.047	0.580	0.000	0.00	22.14
90.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.047	0.580	0.000	0.00	2.70
90.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	21.047	0.580	0.000	0.00	32.85
95.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.375	0.599	0.000	74.49	29.52
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.375	0.599	0.000	0.00	22.14
95.00	(12) 1 5/8" Coax	Yes	5.00	0.827	5.94	2.47	2.05	21.375	0.599	0.000	77.05	44.27
95.00	(4) #20 Dywidag bars	Yes	5.00	0.983	5.00	2.08	2.05	21.375	0.599	0.000	77.05	300.60
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.375	0.599	0.000	0.00	22.14
95.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.375	0.599	0.000	0.00	2.70
95.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	21.375	0.599	0.000	0.00	32.85
100.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.690	0.620	0.000	75.59	29.52
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.690	0.620	0.000	0.00	22.14
100.0	(12) 1 5/8" Coax	Yes	5.00	0.821	5.94	2.47	2.03	21.690	0.620	0.000	77.61	44.27
100.0	(4) #20 Dywidag bars	Yes	5.00	0.976	5.00	2.08	2.03	21.690	0.620	0.000	77.61	300.60
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.690	0.620	0.000	0.00	22.14
100.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.690	0.620	0.000	0.00	2.70
100.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	21.690	0.620	0.000	0.00	32.85
105.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	21.995	0.641	0.000	76.65	29.52
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.995	0.641	0.000	0.00	22.14
105.0	(12) 1 5/8" Coax	Yes	5.00	0.816	5.94	2.47	2.02	21.995	0.641	0.000	78.16	44.27
105.0	(4) #20 Dywidag bars	Yes	5.00	0.969	5.00	2.08	2.02	21.995	0.641	0.000	78.16	300.60
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.995	0.641	0.000	0.00	22.14
105.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	21.995	0.641	0.000	0.00	2.70
105.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	21.995	0.641	0.000	0.00	32.85
110.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	22.289	0.664	0.000	77.67	29.52
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.289	0.664	0.000	0.00	22.14
110.0	(12) 1 5/8" Coax	Yes	5.00	0.810	5.94	2.47	2.01	22.289	0.664	0.000	78.68	44.27
110.0	(4) #20 Dywidag bars	Yes	5.00	0.963	5.00	2.08	2.01	22.289	0.664	0.000	78.68	300.60
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.289	0.664	0.000	0.00	22.14
110.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.289	0.664	0.000	0.00	2.70
110.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	22.289	0.664	0.000	0.00	32.85
110.0	(8) 1 5/8" Coax	Yes	0.00	1.200	3.96	0.00	0.00	22.289	0.677	0.000	0.01	0.00

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Base Elev : 0.000 (ft)



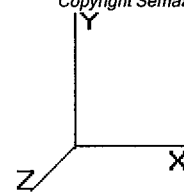
Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 26 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	22.289	0.677	0.000	0.00	0.00
110.0	(12) 1 5/8" Coax	Yes	0.00	0.810	5.94	0.00	0.00	22.289	0.677	0.000	0.01	0.00
110.0	(4) #20 Dvwidaq bars	Yes	0.00	0.963	5.00	0.00	0.00	22.289	0.677	0.000	0.01	0.02
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	22.289	0.677	0.000	0.00	0.00
110.0	(4) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	22.289	0.677	0.000	0.00	0.00
110.0	(2) 2" Cond.	Yes	0.00	0.000	0.00	0.00	0.00	22.289	0.677	0.000	0.00	0.00
112.0	(8) 1 5/8" Coax	Yes	2.00	1.200	3.96	0.66	0.79	22.404	0.682	0.000	31.22	11.80
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.404	0.682	0.000	0.00	8.85
112.0	(12) 1 5/8" Coax	Yes	2.00	0.808	5.94	0.99	0.80	22.404	0.682	0.000	31.55	17.71
112.0	(4) #20 Dywidaq bars	Yes	2.00	0.960	5.00	0.83	0.80	22.404	0.682	0.000	31.55	120.22
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.404	0.682	0.000	0.00	8.85
112.0	(4) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.404	0.682	0.000	0.00	1.08
112.0	(2) 2" Cond.	Yes	2.00	0.000	0.00	0.00	0.00	22.404	0.682	0.000	0.00	13.14
115.0	(8) 1 5/8" Coax	Yes	3.00	1.200	3.96	0.99	1.19	22.574	0.695	0.000	47.20	17.71
115.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.574	0.695	0.000	0.00	13.28
115.0	(12) 1 5/8" Coax	Yes	3.00	0.805	5.94	1.49	1.20	22.574	0.695	0.000	47.51	26.56
115.0	(4) #20 Dywidaq bars	Yes	3.00	0.957	5.00	1.25	1.20	22.574	0.695	0.000	47.51	180.36
115.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	22.574	0.695	0.000	0.00	13.28
120.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	22.850	0.716	0.000	79.63	29.52
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.850	0.716	0.000	0.00	22.14
120.0	(12) 1 5/8" Coax	Yes	5.00	0.800	5.94	2.47	1.98	22.850	0.716	0.000	79.66	44.27
120.0	(4) #20 Dvwidaq bars	Yes	5.00	0.951	5.00	2.08	1.98	22.850	0.716	0.000	79.66	300.60
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	22.850	0.716	0.000	0.00	22.14
122.0	(8) 1 5/8" Coax	Yes	2.00	1.198	3.96	0.66	0.79	22.959	0.736	0.000	31.94	11.81
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.959	0.736	0.000	0.00	8.85
122.0	(12) 1 5/8" Coax	Yes	2.00	0.798	5.94	0.99	0.79	22.959	0.736	0.000	31.94	17.71
122.0	(4) #20 Dywidaq bars	Yes	2.00	0.949	5.00	0.83	0.79	22.959	0.736	0.000	31.94	120.24
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	22.959	0.736	0.000	0.00	8.85
125.0	(8) 1 5/8" Coax	Yes	3.00	1.193	3.96	0.99	1.18	23.118	0.751	0.000	48.08	17.71
125.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	23.118	0.751	0.000	0.00	13.28
125.0	(12) 1 5/8" Coax	Yes	3.00	0.796	5.94	1.49	1.18	23.118	0.751	0.000	48.08	26.56
125.0	(4) #20 Dywidaq bars	Yes	3.00	0.945	5.00	1.25	1.18	23.118	0.751	0.000	48.08	180.36
130.0	(8) 1 5/8" Coax	Yes	5.00	1.187	3.96	1.65	1.96	23.379	0.516	0.000	80.58	29.52
130.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.379	0.516	0.000	0.00	22.14
130.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.379	0.516	0.000	0.00	22.14
130.0	(12) 1 5/8" Coax	Yes	5.00	0.791	5.94	2.47	1.96	23.379	0.516	0.000	80.58	44.27
135.0	(8) 1 5/8" Coax	Yes	5.00	1.180	3.96	1.65	1.95	23.632	0.216	0.000	81.01	29.52
135.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.632	0.216	0.000	0.00	22.14
135.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.632	0.216	0.000	0.00	22.14
140.0	(8) 1 5/8" Coax	Yes	5.00	1.174	3.96	1.65	1.94	23.879	0.226	0.000	81.43	29.52
140.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.879	0.226	0.000	0.00	22.14
140.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	23.879	0.226	0.000	0.00	22.14
145.0	(8) 1 5/8" Coax	Yes	5.00	1.168	3.96	1.65	1.93	24.120	0.236	0.000	81.84	29.52
150.0	(8) 1 5/8" Coax	Yes	5.00	1.163	3.96	1.65	1.92	24.355	0.249	0.000	82.24	29.52
Totals:											5,751.84	11,580.97

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 26 Iterations
 Gust Response Factor : 1.10 Wind Importance Factor : 1.00
 Dead Load Factor : 0.90
 Wind Load Factor : 1.60

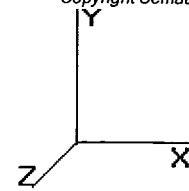
Applied Segment Forces Summary

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	701.92	1,485.65	0.00	0.00
10.00	690.95	1,471.17	0.00	0.00
15.00	679.99	1,456.68	0.00	0.00
20.00	669.02	1,442.19	0.00	0.00
25.00	658.05	1,427.71	0.00	0.00
30.00	647.58	1,413.22	0.00	0.00
31.50	194.60	421.23	0.00	0.00
35.00	468.76	1,327.81	0.00	0.00
35.67	89.13	251.59	0.00	0.00
38.50	401.24	737.88	0.00	4.37
40.00	203.65	388.20	0.00	0.00
45.00	691.72	1,286.16	0.00	0.00
50.00	698.02	1,274.09	0.00	0.00
55.00	702.29	1,262.02	0.00	0.00
56.00	815.91	420.16	0.00	0.00
60.00	562.75	998.89	0.00	0.00
65.00	705.71	1,237.74	0.00	0.00
70.00	705.26	1,225.67	0.00	0.00
70.00	0.05	0.08	0.00	0.00
73.50	497.78	1,083.86	0.00	0.00
75.00	212.26	340.73	0.00	0.00
80.00	710.01	1,129.73	0.00	0.00
85.00	706.32	1,120.07	0.00	0.00
90.00	701.67	1,110.41	0.00	0.00
95.00	696.14	1,100.76	0.00	0.00
100.0	689.79	1,091.10	0.00	0.00
105.0	682.68	1,081.44	0.00	0.00
110.0	674.86	1,071.78	0.00	0.00
110.0	0.04	0.07	0.00	0.00
112.0	1,420.72	631.11	0.00	0.00
115.0	397.88	576.56	0.00	0.00
120.0	657.23	955.13	0.00	0.00
122.0	766.05	631.30	0.00	0.00
125.0	386.26	354.18	0.00	0.00
130.0	3,606.76	1,850.72	0.00	0.00
135.0	463.00	254.53	0.00	0.00
140.0	2,362.30	1,812.21	0.00	0.00
145.0	437.28	195.77	0.00	0.00
150.0	2,919.86	2,305.33	0.00	5,713.58
Totals:	29,275.54	38,224.94	0.00	5,717.95

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Load Case: 0.9D + 1.6W 95.00 mph with No Ice (Reduced DL) 26 Iterations
Gust Response Factor : 1.10 **Wind Importance Factor :** 1.00
Dead Load Factor : 0.90
Wind Load Factor : 1.60

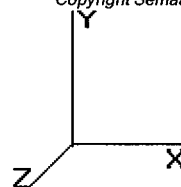
Calculated Forces

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	-38.14	-29.38	0.00	-2,846.83	0.00	2,846.83	2,613.99	1,306.99	3,984.35	1,967.72	0.00	0.00	0.909
5.00	-36.50	-28.88	0.00	-2,699.92	0.00	2,699.92	2,558.64	1,279.32	3,816.59	1,884.87	0.17	-0.31	0.890
10.00	-34.88	-28.36	0.00	-2,555.55	0.00	2,555.55	2,503.30	1,251.65	3,652.43	1,803.80	0.67	-0.63	0.870
15.00	-33.28	-27.85	0.00	-2,413.73	0.00	2,413.73	2,447.95	1,223.98	3,491.89	1,724.51	1.49	-0.94	0.850
20.00	-31.71	-27.32	0.00	-2,274.50	0.00	2,274.50	2,392.60	1,196.30	3,334.95	1,647.01	2.64	-1.25	0.828
25.00	-30.15	-26.79	0.00	-2,137.90	0.00	2,137.90	2,337.26	1,168.63	3,181.62	1,571.28	4.12	-1.56	0.805
30.00	-28.67	-26.20	0.00	-2,003.94	0.00	2,003.94	2,281.91	1,140.96	3,031.90	1,497.34	5.92	-1.87	0.781
31.50	-28.18	-26.07	0.00	-1,964.62	0.00	1,964.62	2,265.31	1,132.65	2,987.68	1,475.50	6.53	-1.97	0.774
35.00	-26.81	-25.61	0.00	-1,873.39	0.00	1,873.39	2,226.57	1,113.28	2,885.79	1,425.19	8.05	-2.18	0.746
35.67	-26.52	-25.57	0.00	-1,856.30	0.00	1,856.30	1,889.79	944.90	2,499.95	1,234.63	8.36	-2.22	0.808
38.50	-25.74	-25.19	0.00	-1,783.87	0.00	1,783.87	1,863.66	931.83	2,430.96	1,200.56	9.73	-2.39	0.791
40.00	-25.27	-25.07	0.00	-1,746.08	0.00	1,746.08	1,849.82	924.91	2,394.82	1,182.71	10.49	-2.49	0.782
45.00	-23.88	-24.45	0.00	-1,620.75	0.00	1,620.75	1,803.70	901.85	2,276.32	1,124.19	13.27	-2.81	0.751
50.00	-22.52	-23.80	0.00	-1,498.52	0.00	1,498.52	1,757.58	878.79	2,160.82	1,067.15	16.38	-3.12	0.719
55.00	-21.23	-23.10	0.00	-1,379.50	0.00	1,379.50	1,711.46	855.73	2,048.33	1,011.59	19.80	-3.42	0.686
56.00	-20.80	-22.31	0.00	-1,356.40	0.00	1,356.40	1,702.23	851.12	2,026.20	1,000.66	20.52	-3.48	0.679
60.00	-19.74	-21.78	0.00	-1,267.15	0.00	1,267.15	1,665.34	832.67	1,938.85	957.53	23.54	-3.72	0.652
65.00	-18.44	-21.08	0.00	-1,158.26	0.00	1,158.26	1,619.22	809.61	1,832.38	904.94	27.59	-4.01	0.618
70.00	-17.22	-20.33	0.00	-1,052.84	0.00	1,052.84	1,573.10	786.55	1,728.91	853.84	31.93	-4.29	0.583
70.00	-17.19	-20.36	0.00	-1,052.83	0.00	1,052.83	1,573.09	786.55	1,728.90	853.84	31.93	-4.29	0.583
73.50	-16.10	-19.82	0.00	-981.56	0.00	981.56	1,259.14	629.57	1,387.79	685.38	35.14	-4.48	0.600
75.00	-15.71	-19.63	0.00	-951.84	0.00	951.84	1,248.07	624.03	1,363.39	673.33	36.56	-4.56	0.588
80.00	-14.56	-18.90	0.00	-853.67	0.00	853.67	1,211.17	605.59	1,283.60	633.92	41.49	-4.84	0.546
85.00	-13.42	-18.16	0.00	-759.16	0.00	759.16	1,174.27	587.14	1,206.22	595.71	46.69	-5.10	0.503
90.00	-12.31	-17.41	0.00	-668.36	0.00	668.36	1,137.38	568.69	1,131.25	558.68	52.16	-5.35	0.459
95.00	-11.21	-16.66	0.00	-581.30	0.00	581.30	1,100.48	550.24	1,058.68	522.84	57.88	-5.58	0.414
100.00	-10.14	-15.90	0.00	-498.00	0.00	498.00	1,063.58	531.79	988.52	488.19	63.83	-5.80	0.368
105.00	-9.09	-15.14	0.00	-418.50	0.00	418.50	1,026.69	513.34	920.76	454.73	70.00	-5.99	0.322
110.00	-8.07	-14.37	0.00	-342.80	0.00	342.80	989.79	494.89	855.40	422.45	76.36	-6.17	0.274
110.00	-8.06	-14.37	0.00	-342.80	0.00	342.80	989.79	494.89	855.40	422.45	76.36	-6.17	0.274
110.00	-8.06	-14.37	0.00	-342.80	0.00	342.80	989.79	494.89	855.40	422.45	76.36	-6.17	0.298
112.00	-7.57	-12.90	0.00	-314.06	0.00	314.06	733.48	366.74	628.11	310.20	78.95	-6.23	0.277
115.00	-7.01	-12.46	0.00	-275.35	0.00	275.35	716.88	358.44	599.87	296.25	82.89	-6.33	0.248
120.00	-6.12	-11.71	0.00	-213.06	0.00	213.06	689.20	344.60	554.25	273.72	89.59	-6.47	0.199
122.00	-5.57	-10.88	0.00	-189.64	0.00	189.64	689.20	344.60	554.25	273.72	92.30	-6.52	0.180
122.00	-5.57	-10.88	0.00	-189.64	0.00	189.64	689.20	344.60	554.25	273.72	92.30	-6.52	0.725
125.00	-5.22	-10.48	0.00	-157.00	0.00	157.00	661.53	330.77	510.43	252.08	96.41	-6.59	0.632
130.00	-3.77	-6.70	0.00	-104.60	0.00	104.60	633.86	316.93	468.41	231.33	103.50	-6.95	0.459
135.00	-3.55	-6.22	0.00	-71.10	0.00	71.10	606.19	303.09	428.21	211.47	110.93	-7.23	0.343
140.00	-2.04	-3.66	0.00	-39.99	0.00	39.99	578.51	289.26	389.80	192.51	118.60	-7.44	0.211
145.00	-1.90	-3.20	0.00	-21.71	0.00	21.71	550.84	275.42	353.20	174.43	126.44	-7.57	0.128
150.00	0.00	-2.92	0.00	-5.71	0.00	5.71	523.17	261.58	318.40	157.25	134.39	-7.63	0.036

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	27 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)

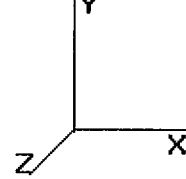
Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.70	4.256	4.682	0.000	1.200	0.00	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.70	4.256	4.682	0.000	1.200 *	2.07	5.00	17.681	21.22	99.3	517.9	1,754.5
10.00		1.00	0.70	4.256	4.682	0.000	1.200 *	2.21	5.00	17.466	20.96	98.1	545.9	1,763.2
15.00		1.00	0.70	4.256	4.682	0.000	1.200 *	2.31	5.00	17.205	20.65	96.7	558.0	1,756.0
20.00		1.00	0.70	4.256	4.682	0.000	1.200 *	2.37	5.00	16.923	20.31	95.1	563.3	1,741.9
25.00		1.00	0.70	4.256	4.682	0.000	1.200 *	2.43	5.00	16.630	19.96	93.4	564.4	1,723.8
30.00		1.00	0.70	4.260	4.686	0.000	1.200 *	2.47	5.00	16.329	19.59	91.8	562.9	1,703.0
31.50	Bot - Section 2	1.00	0.71	4.319	4.751	0.000	1.200 *	2.48	1.50	4.837	5.80	27.6	168.7	507.0
35.00		1.00	0.73	4.451	4.897	0.000	1.200 *	2.51	3.50	11.368	13.64	66.8	398.8	1,648.2
35.67	Top - Section 1	1.00	0.73	4.475	4.923	0.000	1.200 *	2.52	0.67	2.148	2.58	12.7	75.9	312.1
38.50	Appertunance(s)	1.00	0.75	4.574	5.032	0.000	1.200 *	2.53	2.83	9.067	10.88	54.7	321.0	881.3
40.00		1.00	0.76	4.625	5.087	0.000	1.200 *	2.54	1.50	4.759	5.71	29.1	169.5	464.1
45.00		1.00	0.78	4.783	5.261	0.000	1.200 *	2.57	5.00	15.670	18.80	98.9	559.0	1,530.6
50.00		1.00	0.81	4.929	5.422	0.000	1.200 *	2.60	5.00	15.355	18.43	99.9	552.2	1,507.6
55.00		1.00	0.83	5.065	5.572	0.000	1.200 *	2.63	5.00	15.038	18.05	100.5	544.5	1,483.9
56.00	Appertunance(s)	1.00	0.83	5.091	5.600	0.000	1.200 *	2.63	1.00	2.968	3.56	19.9	108.6	294.5
60.00		1.00	0.85	5.193	5.712	0.000	1.200 *	2.65	4.00	11.748	14.10	80.5	428.9	1,166.2
65.00		1.00	0.87	5.313	5.844	0.000	1.200 *	2.67	5.00	14.399	17.28	101.0	527.2	1,434.4
70.00		1.00	0.89	5.426	5.969	0.000	1.200 *	2.69	5.00	14.077	16.89	100.8	517.8	1,408.9
70.00	Bot - Section 3	1.00	0.89	5.426	5.969	0.000	1.200 *	2.69	0.00	0.001	0.00	0.0	0.0	0.1
73.50	Top - Section 2	1.00	0.90	5.502	6.053	0.000	1.200 *	2.70	3.50	9.812	11.77	71.3	363.8	1,288.7
75.00		1.00	0.91	5.534	6.088	0.000	1.200 *	2.71	1.50	4.155	4.99	30.4	155.0	386.4
80.00		1.00	0.92	5.637	6.201	0.000	1.200 *	2.73	5.00	13.647	16.38	101.6	506.5	1,269.6
85.00		1.00	0.94	5.736	6.309	0.000	1.200 *	2.74	5.00	13.323	15.99	100.9	495.9	1,246.2
90.00		1.00	0.95	5.830	6.413	0.000	1.200 *	2.76	5.00	12.998	15.60	100.0	485.0	1,222.4
95.00		1.00	0.97	5.921	6.513	0.000	1.200 *	2.77	5.00	12.673	15.21	99.0	473.8	1,198.3
100.0		1.00	0.98	6.008	6.609	0.000	1.200 *	2.79	5.00	12.347	14.82	97.9	462.3	1,173.9
105.0		1.00	1.00	6.093	6.702	0.000	1.200 *	2.80	5.00	12.020	14.42	96.7	450.5	1,149.3
110.0		1.00	1.01	6.174	6.792	0.000	1.200 *	2.82	5.00	11.693	14.03	95.3	438.5	1,124.4
110.0	Top - Section 3	1.00	1.01	6.174	6.792	0.000	1.200 *	2.82	0.00	0.001	0.00	0.0	0.0	0.1
112.0	Appertunance(s)	1.00	1.02	6.206	6.827	0.000	1.200 *	2.82	2.00	4.584	5.50	37.5	173.4	410.2
115.0		1.00	1.02	6.253	6.879	0.000	1.200 *	2.83	3.00	6.779	8.13	56.0	255.8	608.0
120.0		1.00	1.04	6.330	6.963	0.000	1.200 *	2.84	5.00	11.038	13.25	92.2	413.9	993.3
122.0	Reinf. Top	1.00	1.04	6.360	6.996	0.000	1.200 *	2.84	2.00	4.322	5.19	36.3	163.6	392.6
125.0		1.00	1.05	6.404	7.044	0.000	1.200 *	2.85	3.00	6.385	7.66	54.0	240.8	381.0
130.0	Appertunance(s)	1.00	1.06	6.476	7.124	0.000	1.200 *	2.86	5.00	10.381	12.46	88.7	388.5	614.6
135.0		1.00	1.07	6.546	7.201	0.000	1.200 *	2.87	5.00	10.052	12.06	86.9	375.6	592.0
140.0	Appertunance(s)	1.00	1.08	6.615	7.276	0.000	1.200 *	2.88	5.00	9.723	11.67	84.9	362.5	569.2
145.0		1.00	1.09	6.681	7.350	0.000	1.200 *	2.89	5.00	9.393	11.27	82.8	349.2	546.3
150.0	Appertunance(s)	1.00	1.11	6.746	7.421	0.000	1.200 *	2.90	5.00	9.063	10.88	80.7	335.8	523.2
								Totals:	150.00			2,860.0	14,574.8	38,770.9

* = Cf Adjusted By Linear Load Ra Effect

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.25 in Radial Ice 27 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

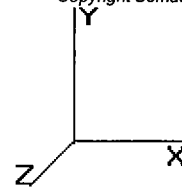
Discrete Appurtenance Segment Forces (Factored)

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)
38.50	GPS	1	4.583	5.041	1.00	1.00	0.33	0.000	0.250	1.65	0.00	0.41	14.87
56.00	Channel Master Type	1	5.091	5.600	1.00	1.00	25.32	0.000	0.000	141.79	0.00	0.00	612.30
112.0	24" x 24" Junction	1	6.206	6.827	0.80	0.80	5.02	0.000	0.000	34.26	0.00	0.00	234.08
112.0	DragonWave Horizon	2	6.206	6.827	0.54	0.80	0.97	0.000	0.000	6.61	0.00	0.00	149.01
112.0	DragonWave A-ANT-	2	6.206	6.827	0.64	0.80	8.65	0.000	0.000	59.04	0.00	0.00	434.94
112.0	Argus LLPX310R	3	6.206	6.827	0.56	0.80	9.76	0.000	0.000	66.64	0.00	0.00	622.98
112.0	NextNet BTS-2500	3	6.206	6.827	0.54	0.80	4.52	0.000	0.000	30.87	0.00	0.00	459.80
112.0	Collar	1	6.206	6.827	0.80	0.80	16.02	0.000	0.000	109.37	0.00	0.00	92.24
122.0	Flush Mounts	1	6.360	6.996	1.00	1.00	9.48	0.000	0.000	66.34	0.00	0.00	709.84
122.0	RFS APXV18-206517S-	3	6.360	6.996	0.58	0.80	12.72	0.000	0.000	88.96	0.00	0.00	782.85
130.0	Round Low Profile PI	1	6.476	7.124	1.00	1.00	53.31	0.000	0.000	379.76	0.00	0.00	2,666.66
130.0	Antel LPA-80080/6CF	6	6.476	7.124	0.59	0.80	38.63	0.000	0.000	275.22	0.00	0.00	2,320.74
130.0	RFS FD9R6004/2C-3L	6	6.476	7.124	0.40	0.80	1.96	0.000	0.000	13.97	0.00	0.00	206.25
130.0	Antel BXA-171085-12C	3	6.476	7.124	0.70	0.80	14.56	0.000	0.000	103.71	0.00	0.00	762.08
130.0	Antel BXA-70063-4CF-	3	6.476	7.124	0.59	0.80	11.29	0.000	0.000	80.44	0.00	0.00	723.85
140.0	Andrew Dual Duplex T	6	6.615	7.276	0.40	0.80	2.89	0.000	0.000	21.00	0.00	0.00	390.47
140.0	RFS APX16DWW-	3	6.615	7.276	0.54	0.80	12.76	0.000	0.000	92.88	0.00	0.00	892.00
140.0	EMS RR90-17-02DP	3	6.615	7.276	0.54	0.80	9.80	0.000	0.000	71.32	0.00	0.00	651.02
140.0	Flat Low Profile Pla	1	6.615	7.276	1.00	1.00	57.77	0.000	0.000	420.32	0.00	0.00	2,674.59
150.0	TTA	6	6.797	7.477	0.40	0.80	6.75	0.000	4.000	50.49	0.00	201.98	370.80
150.0	Powerwave LGP13519	6	6.797	7.477	0.40	0.80	1.93	0.000	4.000	14.42	0.00	57.66	250.16
150.0	Allaon 7770.00	6	6.797	7.477	0.60	0.80	26.45	0.000	4.000	197.77	0.00	791.10	1,814.13
150.0	Decibel DB809KE-SY	2	6.818	7.500	0.80	0.80	13.92	0.000	5.667	104.40	0.00	591.56	697.68
150.0	Round Platform w/ Ha	1	6.746	7.421	1.00	1.00	68.02	0.000	0.000	504.81	0.00	0.00	4,164.07
										2,936.04			22,697.42

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	27 Iterations
Gust Response Factor : 1.10	Ice Dead Load Factor : 1.00	Wind Importance Factor : 1.00
Dead Load Factor : 1.20		Ice Importance Factor : 1.00
Wind Load Factor : 1.00		

Linear Appurtenance Segment Forces (Factored)

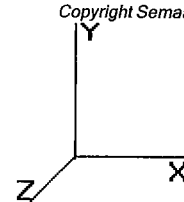
Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.38	4.05	4.256	0.389	0.000	18.96	206.14
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.389	0.000	0.00	161.15
5.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.20	5.04	4.256	0.389	0.000	23.60	296.12
5.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	3.81	4.57	4.256	0.389	0.000	21.40	517.91
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.389	0.000	0.00	161.15
5.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.389	0.000	0.00	50.72
5.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.389	0.000	0.00	112.42
5.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.389	0.000	0.00	28.60
5.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.389	0.000	0.00	32.31
10.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.50	4.20	4.256	0.398	0.000	19.66	219.18
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.398	0.000	0.00	171.90
10.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.32	5.19	4.256	0.398	0.000	24.29	313.74
10.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	3.93	4.72	4.256	0.398	0.000	22.09	527.58
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.398	0.000	0.00	171.90
10.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.398	0.000	0.00	56.07
10.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.398	0.000	0.00	119.03
10.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.398	0.000	0.00	32.65
10.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.398	0.000	0.00	36.57
15.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.58	4.29	4.256	0.406	0.000	20.09	227.38
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.406	0.000	0.00	178.68
15.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.40	5.28	4.256	0.406	0.000	24.72	324.76
15.00	(4) #20 Dvwidag bars	Yes	5.00	1.200	5.00	4.01	4.81	4.256	0.406	0.000	22.52	533.69
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.406	0.000	0.00	178.68
15.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.406	0.000	0.00	59.51
15.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.406	0.000	0.00	123.25
15.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.406	0.000	0.00	35.29
15.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.406	0.000	0.00	39.33
20.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.63	4.36	4.256	0.416	0.000	20.40	233.46
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.416	0.000	0.00	183.73
20.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.46	5.35	4.256	0.416	0.000	25.04	332.92
20.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.06	4.88	4.256	0.416	0.000	22.84	538.24
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.416	0.000	0.00	183.73
20.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.416	0.000	0.00	62.10
20.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.416	0.000	0.00	126.41
20.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.416	0.000	0.00	37.29
20.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.416	0.000	0.00	41.43
25.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.68	4.41	4.256	0.425	0.000	20.65	238.34
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.425	0.000	0.00	187.79
25.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.50	5.40	4.256	0.425	0.000	25.29	339.46
25.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.11	4.93	4.256	0.425	0.000	23.09	541.91
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.425	0.000	0.00	187.79
25.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.425	0.000	0.00	64.20
25.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.425	0.000	0.00	128.97
25.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.425	0.000	0.00	38.92
25.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.256	0.425	0.000	0.00	43.14
30.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.71	4.46	4.260	0.435	0.000	20.88	242.44
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.435	0.000	0.00	191.19
30.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.54	5.45	4.260	0.435	0.000	25.52	344.93
30.00	(4) #20 Dvwidag bars	Yes	5.00	1.200	5.00	4.15	4.98	4.260	0.435	0.000	23.32	544.99
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.435	0.000	0.00	191.19
30.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.435	0.000	0.00	65.98

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.25 in Radial Ice 27 Iterations

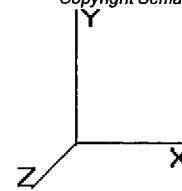
Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20 Ice Importance Factor : 1.00
 Wind Load Factor : 1.00

30.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.435	0.000	0.00	131.13
30.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.435	0.000	0.00	40.31
30.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.260	0.435	0.000	0.00	44.59
31.50	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	1.12	1.34	4.319	0.442	0.000	6.37	73.08
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.319	0.442	0.000	0.00	57.65
31.50	(12) 1 5/8" Coax	Yes	1.50	1.200	5.94	1.36	1.64	4.319	0.442	0.000	7.78	103.95
31.50	(4) #20 Dywidag bars	Yes	1.50	1.200	5.00	1.25	1.50	4.319	0.442	0.000	7.11	163.78
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.319	0.442	0.000	0.00	57.65
31.50	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.319	0.442	0.000	0.00	19.95
31.50	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	4.319	0.442	0.000	0.00	39.52
31.50	(1) RG6	Yes	1.50	0.000	0.00	0.00	0.00	4.319	0.442	0.000	0.00	12.21
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.319	0.442	0.000	0.00	13.50
35.00	(8) 1 5/8" Coax	Yes	3.50	1.200	3.96	2.62	3.15	4.451	0.447	0.000	15.40	172.17
35.00	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	4.451	0.447	0.000	0.00	135.89
35.00	(12) 1 5/8" Coax	Yes	3.50	1.200	5.94	3.20	3.84	4.451	0.447	0.000	18.80	244.74
35.00	(4) #20 Dywidag bars	Yes	3.50	1.200	5.00	2.92	3.51	4.451	0.447	0.000	17.19	383.32
35.00	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	4.451	0.447	0.000	0.00	135.89
35.00	(4) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	4.451	0.447	0.000	0.00	47.27
35.00	(2) 2" Cond.	Yes	3.50	0.000	0.00	0.00	0.00	4.451	0.447	0.000	0.00	93.09
35.00	(1) RG6	Yes	3.50	0.000	0.00	0.00	0.00	4.451	0.447	0.000	0.00	29.06
35.00	(1) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	4.451	0.447	0.000	0.00	32.10
35.67	(8) 1 5/8" Coax	Yes	0.67	1.200	3.96	0.50	0.60	4.475	0.452	0.000	2.95	32.87
35.67	(6) 1 5/8" Coax	Yes	0.67	0.000	0.00	0.00	0.00	4.475	0.452	0.000	0.00	25.95
35.67	(12) 1 5/8" Coax	Yes	0.67	1.200	5.94	0.61	0.73	4.475	0.452	0.000	3.61	46.72
35.67	(4) #20 Dywidag bars	Yes	0.67	1.200	5.00	0.56	0.67	4.475	0.452	0.000	3.30	73.10
35.67	(6) 1 5/8" Coax	Yes	0.67	0.000	0.00	0.00	0.00	4.475	0.452	0.000	0.00	25.95
35.67	(4) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	4.475	0.452	0.000	0.00	9.03
35.67	(2) 2" Cond.	Yes	0.67	0.000	0.00	0.00	0.00	4.475	0.452	0.000	0.00	17.77
35.67	(1) RG6	Yes	0.67	0.000	0.00	0.00	0.00	4.475	0.452	0.000	0.00	5.56
35.67	(1) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	4.475	0.452	0.000	0.00	6.14
38.50	(8) 1 5/8" Coax	Yes	2.83	1.200	3.96	2.13	2.56	4.574	0.447	0.000	12.88	140.64
38.50	(6) 1 5/8" Coax	Yes	2.83	0.000	0.00	0.00	0.00	4.574	0.447	0.000	0.00	111.05
38.50	(12) 1 5/8" Coax	Yes	2.83	1.200	5.94	2.60	3.12	4.574	0.447	0.000	15.71	199.80
38.50	(4) #20 Dywidag bars	Yes	2.83	1.200	5.00	2.38	2.86	4.574	0.447	0.000	14.37	311.25
38.50	(6) 1 5/8" Coax	Yes	2.83	0.000	0.00	0.00	0.00	4.574	0.447	0.000	0.00	111.05
38.50	(4) 1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	4.574	0.447	0.000	0.00	38.82
38.50	(2) 2" Cond.	Yes	2.83	0.000	0.00	0.00	0.00	4.574	0.447	0.000	0.00	76.03
38.50	(1) RG6	Yes	2.83	0.000	0.00	0.00	0.00	4.574	0.447	0.000	0.00	23.96
38.50	(1) 1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	4.574	0.447	0.000	0.00	26.44
40.00	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	1.13	1.36	4.625	0.452	0.000	6.91	74.73
40.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.625	0.452	0.000	0.00	59.03
40.00	(12) 1 5/8" Coax	Yes	1.50	1.200	5.94	1.38	1.66	4.625	0.452	0.000	8.42	106.15
40.00	(4) #20 Dywidag bars	Yes	1.50	1.200	5.00	1.26	1.51	4.625	0.452	0.000	7.70	165.01
40.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.625	0.452	0.000	0.00	59.03
40.00	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	4.625	0.452	0.000	0.00	20.67
40.00	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	4.625	0.452	0.000	0.00	40.40
40.00	(1) RG6	Yes	1.50	0.000	0.00	0.00	0.00	4.625	0.452	0.000	0.00	12.78
45.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.80	4.56	4.783	0.459	0.000	23.98	251.92
45.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.783	0.459	0.000	0.00	199.09
45.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.62	5.55	4.783	0.459	0.000	29.19	357.56
45.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.23	5.08	4.783	0.459	0.000	26.72	552.14
45.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.783	0.459	0.000	0.00	199.09
45.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.783	0.459	0.000	0.00	70.15
45.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	4.783	0.459	0.000	0.00	136.17
45.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	4.783	0.459	0.000	0.00	43.59
50.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.82	4.59	4.929	0.471	0.000	24.86	254.46
50.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.929	0.471	0.000	0.00	201.22

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.25 in Radial Ice 27 Iterations

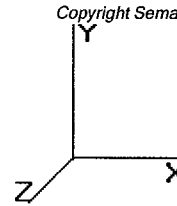
Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20 Ice Importance Factor : 1.00
 Wind Load Factor : 1.00

50.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.65	5.58	4.929	0.471	0.000	30.23	360.95
50.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.26	5.11	4.929	0.471	0.000	27.68	554.06
50.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.929	0.471	0.000	0.00	201.22
50.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	4.929	0.471	0.000	0.00	71.29
50.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	4.929	0.471	0.000	0.00	137.53
50.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	4.929	0.471	0.000	0.00	44.48
55.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.84	4.61	5.065	0.483	0.000	25.69	256.80
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.483	0.000	0.00	203.17
55.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.67	5.60	5.065	0.483	0.000	31.21	364.06
55.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.28	5.13	5.065	0.483	0.000	28.59	555.83
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.483	0.000	0.00	203.17
55.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.483	0.000	0.00	72.33
55.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.483	0.000	0.00	138.78
55.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	5.065	0.483	0.000	0.00	45.30
56.00	(8) 1 5/8" Coax	Yes	1.00	1.200	3.96	0.77	0.92	5.091	0.491	0.000	5.17	51.45
56.00	(6) 1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.491	0.000	0.00	40.71
56.00	(12) 1 5/8" Coax	Yes	1.00	1.200	5.94	0.93	1.12	5.091	0.491	0.000	6.28	72.93
56.00	(4) #20 Dywidag bars	Yes	1.00	1.200	5.00	0.86	1.03	5.091	0.491	0.000	5.75	111.23
56.00	(6) 1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.491	0.000	0.00	40.71
56.00	(4) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.491	0.000	0.00	14.51
56.00	(2) 2" Cond.	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.491	0.000	0.00	27.80
56.00	(1) RG6	Yes	1.00	0.000	0.00	0.00	0.00	5.091	0.491	0.000	0.00	9.09
60.00	(8) 1 5/8" Coax	Yes	4.00	1.200	3.96	3.09	3.71	5.193	0.498	0.000	21.17	207.17
60.00	(6) 1 5/8" Coax	Yes	4.00	0.000	0.00	0.00	0.00	5.193	0.498	0.000	0.00	163.98
60.00	(12) 1 5/8" Coax	Yes	4.00	1.200	5.94	3.75	4.50	5.193	0.498	0.000	25.70	293.54
60.00	(4) #20 Dywidag bars	Yes	4.00	1.200	5.00	3.44	4.12	5.193	0.498	0.000	23.55	445.98
60.00	(6) 1 5/8" Coax	Yes	4.00	0.000	0.00	0.00	0.00	5.193	0.498	0.000	0.00	163.98
60.00	(4) 1/2" Coax	Yes	4.00	0.000	0.00	0.00	0.00	5.193	0.498	0.000	0.00	58.64
60.00	(2) 2" Cond.	Yes	4.00	0.000	0.00	0.00	0.00	5.193	0.498	0.000	0.00	111.96
65.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.88	4.66	5.313	0.510	0.000	27.21	260.97
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.510	0.000	0.00	206.66
65.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.70	5.65	5.313	0.510	0.000	32.99	369.59
65.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.31	5.18	5.313	0.510	0.000	30.24	558.99
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.510	0.000	0.00	206.66
65.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.510	0.000	0.00	74.20
65.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	5.313	0.510	0.000	0.00	141.03
70.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.90	4.68	5.426	0.525	0.000	27.91	262.85
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.525	0.000	0.00	208.23
70.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.72	5.67	5.426	0.525	0.000	33.82	372.08
70.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.33	5.20	5.426	0.525	0.000	31.01	560.42
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.525	0.000	0.00	208.23
70.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.525	0.000	0.00	75.05
70.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	5.426	0.525	0.000	0.00	142.05
70.00	(8) 1 5/8" Coax	Yes	0.00	1.200	3.96	0.00	0.00	5.426	0.532	0.000	0.00	0.02
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	5.426	0.532	0.000	0.00	0.01
70.00	(12) 1 5/8" Coax	Yes	0.00	1.200	5.94	0.00	0.00	5.426	0.532	0.000	0.00	0.02
70.00	(4) #20 Dywidag bars	Yes	0.00	1.200	5.00	0.00	0.00	5.426	0.532	0.000	0.00	0.04
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	5.426	0.532	0.000	0.00	0.01
70.00	(4) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	5.426	0.532	0.000	0.00	0.01
70.00	(2) 2" Cond.	Yes	0.00	0.000	0.00	0.00	0.00	5.426	0.532	0.000	0.00	0.01
73.50	(8) 1 5/8" Coax	Yes	3.50	1.200	3.96	2.73	3.28	5.502	0.538	0.000	19.86	184.86
73.50	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	5.502	0.538	0.000	0.00	146.49
73.50	(12) 1 5/8" Coax	Yes	3.50	1.200	5.94	3.31	3.97	5.502	0.538	0.000	24.06	261.61
73.50	(4) #20 Dywidag bars	Yes	3.50	1.200	5.00	3.04	3.65	5.502	0.538	0.000	22.07	392.96
73.50	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	5.502	0.538	0.000	0.00	146.49
73.50	(4) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	5.502	0.538	0.000	0.00	52.93
73.50	(2) 2" Cond.	Yes	3.50	0.000	0.00	0.00	0.00	5.502	0.538	0.000	0.00	99.91

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.25 in Radial Ice 27 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

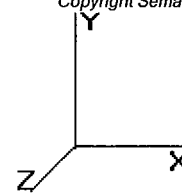
Wind Load Factor : 1.00

75.00	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	1.17	1.41	5.534	0.536	0.000	8.57	79.37
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.534	0.536	0.000	0.00	62.90
75.00	(12) 1 5/8" Coax	Yes	1.50	1.200	5.94	1.42	1.70	5.534	0.536	0.000	10.38	112.30
75.00	(4) #20 Dywidag bars	Yes	1.50	1.200	5.00	1.30	1.56	5.534	0.536	0.000	9.52	168.49
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.534	0.536	0.000	0.00	62.90
75.00	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	5.534	0.536	0.000	0.00	22.75
75.00	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	5.534	0.536	0.000	0.00	42.89
80.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.93	4.71	5.637	0.546	0.000	29.22	266.28
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.546	0.000	0.00	211.10
80.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.75	5.70	5.637	0.546	0.000	35.36	376.63
80.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.36	5.23	5.637	0.546	0.000	32.44	563.03
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.546	0.000	0.00	211.10
80.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.546	0.000	0.00	76.60
80.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	5.637	0.546	0.000	0.00	143.91
85.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.94	4.73	5.736	0.563	0.000	29.83	267.86
85.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.736	0.563	0.000	0.00	212.43
85.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.77	5.72	5.736	0.563	0.000	36.08	378.72
85.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.37	5.25	5.736	0.563	0.000	33.11	564.23
85.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.736	0.563	0.000	0.00	212.43
85.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.736	0.563	0.000	0.00	77.32
85.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	5.736	0.563	0.000	0.00	144.77
90.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.95	4.74	5.830	0.580	0.000	30.42	269.36
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.830	0.580	0.000	0.00	213.68
90.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.78	5.73	5.830	0.580	0.000	36.77	380.71
90.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.39	5.26	5.830	0.580	0.000	33.76	565.38
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.830	0.580	0.000	0.00	213.68
90.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.830	0.580	0.000	0.00	78.01
90.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	5.830	0.580	0.000	0.00	145.59
95.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.97	4.76	5.921	0.599	0.000	30.99	270.79
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.921	0.599	0.000	0.00	214.88
95.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.79	5.75	5.921	0.599	0.000	37.44	382.60
95.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.40	5.28	5.921	0.599	0.000	34.38	566.47
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.921	0.599	0.000	0.00	214.88
95.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	5.921	0.599	0.000	0.00	78.66
95.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	5.921	0.599	0.000	0.00	146.37
100.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.98	4.77	6.008	0.620	0.000	31.55	272.15
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.008	0.620	0.000	0.00	216.03
100.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.80	5.76	6.008	0.620	0.000	38.09	384.40
100.0	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.41	5.29	6.008	0.620	0.000	34.98	567.51
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.008	0.620	0.000	0.00	216.03
100.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.008	0.620	0.000	0.00	79.29
100.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.008	0.620	0.000	0.00	147.12
105.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	3.99	4.79	6.093	0.641	0.000	32.08	273.46
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.093	0.641	0.000	0.00	217.13
105.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.81	5.78	6.093	0.641	0.000	38.72	386.13
105.0	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.42	5.31	6.093	0.641	0.000	35.57	568.51
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.093	0.641	0.000	0.00	217.13
105.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.093	0.641	0.000	0.00	79.89
105.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.093	0.641	0.000	0.00	147.83
110.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	4.00	4.80	6.174	0.664	0.000	32.60	274.72
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.174	0.664	0.000	0.00	218.18
110.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.82	5.79	6.174	0.664	0.000	39.32	387.79
110.0	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	4.43	5.32	6.174	0.664	0.000	36.13	569.46
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.174	0.664	0.000	0.00	218.18
110.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.174	0.664	0.000	0.00	80.47
110.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.174	0.664	0.000	0.00	148.52
110.0	(8) 1 5/8" Coax	Yes	0.00	1.200	3.96	0.00	0.00	6.174	0.677	0.000	0.00	0.02

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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 Page: 28



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.25 in Radial Ice 27 Iterations

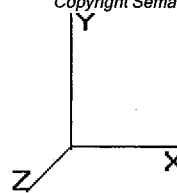
Gust Response Factor : 1.10 Ice Dead Load Factor : 1.00 Wind Importance Factor : 1.00
 Dead Load Factor : 1.20 Ice Importance Factor : 1.00
 Wind Load Factor : 1.00

110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	6.174	0.677	0.000	0.00	0.01
110.0	(12) 1 5/8" Coax	Yes	0.00	1.200	5.94	0.00	0.00	6.174	0.677	0.000	0.00	0.03
110.0	(4) #20 Dvwidaq bars	Yes	0.00	1.200	5.00	0.00	0.00	6.174	0.677	0.000	0.00	0.04
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	6.174	0.677	0.000	0.00	0.01
110.0	(4) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	6.174	0.677	0.000	0.00	0.01
110.0	(2) 2" Cond.	Yes	0.00	0.000	0.00	0.00	0.00	6.174	0.677	0.000	0.00	0.01
112.0	(8) 1 5/8" Coax	Yes	2.00	1.200	3.96	1.60	1.92	6.206	0.682	0.000	13.12	110.06
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	6.206	0.682	0.000	0.00	87.42
112.0	(12) 1 5/8" Coax	Yes	2.00	1.200	5.94	1.93	2.32	6.206	0.682	0.000	15.82	155.35
112.0	(4) #20 Dvwidaq bars	Yes	2.00	1.200	5.00	1.77	2.13	6.206	0.682	0.000	14.54	227.90
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	6.206	0.682	0.000	0.00	87.42
112.0	(4) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	6.206	0.682	0.000	0.00	32.27
112.0	(2) 2" Cond.	Yes	2.00	0.000	0.00	0.00	0.00	6.206	0.682	0.000	0.00	59.51
115.0	(8) 1 5/8" Coax	Yes	3.00	1.200	3.96	2.41	2.89	6.253	0.695	0.000	19.86	165.56
115.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.253	0.695	0.000	0.00	131.52
115.0	(12) 1 5/8" Coax	Yes	3.00	1.200	5.94	2.90	3.48	6.253	0.695	0.000	23.95	233.63
115.0	(4) #20 Dvwidaq bars	Yes	3.00	1.200	5.00	2.67	3.20	6.253	0.695	0.000	22.01	342.23
115.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.253	0.695	0.000	0.00	131.52
120.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	4.02	4.82	6.330	0.716	0.000	33.59	277.09
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.330	0.716	0.000	0.00	220.17
120.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.85	5.81	6.330	0.716	0.000	40.48	390.92
120.0	(4) #20 Dvwidaq bars	Yes	5.00	1.200	5.00	4.45	5.34	6.330	0.716	0.000	37.21	571.28
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.330	0.716	0.000	0.00	220.17
122.0	(8) 1 5/8" Coax	Yes	2.00	1.200	3.96	1.61	1.93	6.360	0.736	0.000	13.51	111.02
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	6.360	0.736	0.000	0.00	88.22
122.0	(12) 1 5/8" Coax	Yes	2.00	1.200	5.94	1.94	2.33	6.360	0.736	0.000	16.28	156.61
122.0	(4) #20 Dvwidaq bars	Yes	2.00	1.200	5.00	1.78	2.14	6.360	0.736	0.000	14.97	228.65
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	6.360	0.736	0.000	0.00	88.22
125.0	(8) 1 5/8" Coax	Yes	3.00	1.200	3.96	2.42	2.90	6.404	0.751	0.000	20.44	166.93
125.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	6.404	0.751	0.000	0.00	132.67
125.0	(12) 1 5/8" Coax	Yes	3.00	1.200	5.94	2.91	3.50	6.404	0.751	0.000	24.62	235.44
125.0	(4) #20 Dvwidaq bars	Yes	3.00	1.200	5.00	2.68	3.21	6.404	0.751	0.000	22.64	343.28
130.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	4.04	4.85	6.476	0.516	0.000	34.53	279.30
130.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.476	0.516	0.000	0.00	222.03
130.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.476	0.516	0.000	0.00	222.03
130.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	4.86	5.84	6.476	0.516	0.000	41.58	393.83
135.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	4.05	4.86	6.546	0.216	0.000	34.98	280.34
135.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.546	0.216	0.000	0.00	222.91
135.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.546	0.216	0.000	0.00	222.91
140.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	4.06	4.87	6.615	0.226	0.000	35.43	281.36
140.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.615	0.226	0.000	0.00	223.76
140.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.615	0.226	0.000	0.00	223.76
145.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	4.07	4.88	6.681	0.236	0.000	35.86	282.34
150.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	4.07	4.89	6.746	0.249	0.000	36.28	283.30
Totals:											2,436.83	47,879.52

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi 50.00 mph with 1.25 in Radial Ice 27 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

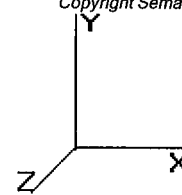
Applied Segment Forces Summary

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	163.28	3,347.24	0.00	0.00
10.00	164.16	3,438.00	0.00	0.00
15.00	163.98	3,482.82	0.00	0.00
20.00	163.35	3,507.47	0.00	0.00
25.00	162.45	3,520.52	0.00	0.00
30.00	161.53	3,525.96	0.00	0.00
31.50	48.84	1,056.15	0.00	0.00
35.00	118.19	2,940.12	0.00	0.00
35.67	22.55	558.69	0.00	0.00
38.50	99.35	1,950.11	0.00	0.41
40.00	52.09	1,009.75	0.00	0.00
45.00	178.83	3,366.50	0.00	0.00
50.00	182.68	3,359.05	0.00	0.00
55.00	186.02	3,349.52	0.00	0.00
56.00	178.94	1,280.50	0.00	0.00
60.00	150.95	2,632.46	0.00	0.00
65.00	191.41	3,278.71	0.00	0.00
70.00	193.56	3,263.99	0.00	0.00
70.00	0.01	0.22	0.00	0.00
73.50	137.26	2,592.34	0.00	0.00
75.00	58.82	945.84	0.00	0.00
80.00	198.57	3,144.52	0.00	0.00
85.00	199.90	3,130.15	0.00	0.00
90.00	200.99	3,115.00	0.00	0.00
95.00	201.87	3,099.14	0.00	0.00
100.0	202.55	3,082.65	0.00	0.00
105.0	203.04	3,065.57	0.00	0.00
110.0	203.35	3,047.95	0.00	0.00
110.0	0.01	0.20	0.00	0.00
112.0	387.83	3,173.63	0.00	0.00
115.0	121.77	1,627.26	0.00	0.00
120.0	203.51	2,697.50	0.00	0.00
122.0	236.35	2,567.84	0.00	0.00
125.0	121.68	1,274.12	0.00	0.00
130.0	1,017.95	8,435.93	0.00	0.00
135.0	121.84	1,342.72	0.00	0.00
140.0	725.83	5,930.76	0.00	0.00
145.0	118.70	853.21	0.00	0.00
150.0	988.88	8,127.94	0.00	1,642.30
Totals:	8,232.88	110,122.0	0.00	1,642.71

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.2D + 1.0Di + 1.0Wi	50.00 mph with 1.25 in Radial Ice	27 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		

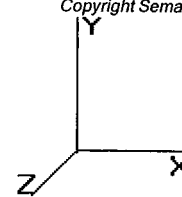
Calculated Forces

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	-110.11	-8.34	0.00	-970.51	0.00	970.51	2,613.99	1,306.99	3,984.35	1,967.72	0.00	0.00	0.336
5.00	-106.75	-8.37	0.00	-928.82	0.00	928.82	2,558.64	1,279.32	3,816.59	1,884.87	0.06	-0.11	0.331
10.00	-103.30	-8.39	0.00	-886.96	0.00	886.96	2,503.30	1,251.65	3,652.43	1,803.80	0.23	-0.22	0.327
15.00	-99.80	-8.40	0.00	-844.99	0.00	844.99	2,447.95	1,223.98	3,491.89	1,724.51	0.51	-0.32	0.322
20.00	-96.28	-8.40	0.00	-802.97	0.00	802.97	2,392.60	1,196.30	3,334.95	1,647.01	0.91	-0.43	0.316
25.00	-92.74	-8.39	0.00	-760.96	0.00	760.96	2,337.26	1,168.63	3,181.62	1,571.28	1.42	-0.54	0.310
30.00	-89.21	-8.30	0.00	-719.02	0.00	719.02	2,281.91	1,140.96	3,031.90	1,497.34	2.05	-0.65	0.303
31.50	-88.15	-8.33	0.00	-706.56	0.00	706.56	2,265.31	1,132.65	2,987.68	1,475.50	2.27	-0.69	0.301
35.00	-85.20	-8.24	0.00	-677.42	0.00	677.42	2,226.57	1,113.28	2,885.79	1,425.19	2.80	-0.77	0.292
35.67	-84.64	-8.27	0.00	-671.93	0.00	671.93	1,889.79	944.90	2,499.95	1,234.63	2.91	-0.78	0.317
38.50	-82.68	-8.21	0.00	-648.51	0.00	648.51	1,863.66	931.83	2,430.96	1,200.56	3.39	-0.84	0.312
40.00	-81.66	-8.25	0.00	-636.19	0.00	636.19	1,849.82	924.91	2,394.82	1,182.71	3.66	-0.88	0.309
45.00	-78.28	-8.17	0.00	-594.94	0.00	594.94	1,803.70	901.85	2,276.32	1,124.19	4.64	-0.99	0.299
50.00	-74.91	-8.08	0.00	-554.07	0.00	554.07	1,757.58	878.79	2,160.82	1,067.15	5.75	-1.11	0.289
55.00	-71.56	-7.91	0.00	-513.69	0.00	513.69	1,711.46	855.73	2,048.33	1,011.59	6.97	-1.22	0.277
56.00	-70.27	-7.77	0.00	-505.78	0.00	505.78	1,702.23	851.12	2,026.20	1,000.66	7.23	-1.24	0.275
60.00	-67.63	-7.68	0.00	-474.71	0.00	474.71	1,665.34	832.67	1,938.85	957.53	8.31	-1.33	0.266
65.00	-64.34	-7.53	0.00	-436.33	0.00	436.33	1,619.22	809.61	1,832.38	904.94	9.76	-1.44	0.254
70.00	-61.08	-7.30	0.00	-398.70	0.00	398.70	1,573.10	786.55	1,728.91	853.84	11.32	-1.55	0.241
70.00	-61.07	-7.34	0.00	-398.70	0.00	398.70	1,573.09	786.55	1,728.90	853.84	11.32	-1.55	0.241
73.50	-58.48	-7.19	0.00	-373.00	0.00	373.00	1,259.14	629.57	1,387.79	685.38	12.49	-1.62	0.249
75.00	-57.53	-7.17	0.00	-362.22	0.00	362.22	1,248.07	624.03	1,363.39	673.33	13.00	-1.65	0.245
80.00	-54.38	-6.98	0.00	-326.38	0.00	326.38	1,211.17	605.59	1,283.60	633.92	14.79	-1.76	0.229
85.00	-51.24	-6.76	0.00	-291.50	0.00	291.50	1,174.27	587.14	1,206.22	595.71	16.68	-1.86	0.213
90.00	-48.13	-6.54	0.00	-257.68	0.00	257.68	1,137.38	568.69	1,131.25	558.68	18.68	-1.95	0.196
95.00	-45.03	-6.30	0.00	-224.99	0.00	224.99	1,100.48	550.24	1,058.68	522.84	20.77	-2.04	0.178
100.00	-41.95	-6.04	0.00	-193.51	0.00	193.51	1,063.58	531.79	988.52	488.19	22.95	-2.13	0.160
105.00	-38.88	-5.77	0.00	-163.31	0.00	163.31	1,026.69	513.34	920.76	454.73	25.22	-2.20	0.142
110.00	-35.84	-5.47	0.00	-134.46	0.00	134.46	989.79	494.89	855.40	422.45	27.56	-2.27	0.122
110.00	-35.84	-5.48	0.00	-134.46	0.00	134.46	989.79	494.89	855.40	422.45	27.56	-2.27	0.122
110.00	-35.84	-5.48	0.00	-134.46	0.00	134.46	989.79	494.89	855.40	422.45	27.56	-2.27	0.122
112.00	-32.68	-4.98	0.00	-123.51	0.00	123.51	733.48	366.74	628.11	310.20	28.52	-2.30	0.124
115.00	-31.06	-4.82	0.00	-108.56	0.00	108.56	716.88	358.44	599.87	296.25	29.97	-2.33	0.113
120.00	-28.37	-4.52	0.00	-84.46	0.00	84.46	689.20	344.60	554.25	273.72	32.45	-2.39	0.093
122.00	-25.81	-4.19	0.00	-75.42	0.00	75.42	689.20	344.60	554.25	273.72	33.45	-2.41	0.084
122.00	-25.81	-4.19	0.00	-75.42	0.00	75.42	689.20	344.60	554.25	273.72	33.45	-2.41	0.084
125.00	-24.54	-4.05	0.00	-62.85	0.00	62.85	661.53	330.77	510.43	252.08	34.98	-2.44	0.287
130.00	-16.15	-2.70	0.00	-42.58	0.00	42.58	633.86	316.93	468.41	231.33	37.61	-2.58	0.210
135.00	-14.81	-2.55	0.00	-29.06	0.00	29.06	606.19	303.09	428.21	211.47	40.38	-2.70	0.162
140.00	-8.92	-1.55	0.00	-16.33	0.00	16.33	578.51	289.26	389.80	192.51	43.25	-2.78	0.100
145.00	-8.07	-1.39	0.00	-8.60	0.00	8.60	550.84	275.42	353.20	174.43	46.20	-2.83	0.064
150.00	0.00	-0.99	0.00	-1.64	0.00	1.64	523.17	261.58	318.40	157.25	49.18	-2.86	0.010

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Load Case: 1.2D + 1.0E	Dead Load with Seismic	0 Iterations
Gust Response Factor : 1.10	Sds : 0.19	Ss : 0.23
Dead Load Factor : 1.20	Seismic Load Factor : 1.00	Sd1 : 0.07
Wind Load Factor : 0.00	Structure Frequency : 0.2333	SA : 0.02
	Seismic Importance Factor : 1.00	

Total Segment Forces (Factored)

R: 1.50

Seg Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)
0.00		0.00	0.00	0.00	0.00	0.00
5.00		752.19	0.00	0.03	0.02	18.83
10.00		736.10	0.01	0.05	0.03	24.79
15.00		720.00	0.02	0.07	0.04	27.98
20.00		703.90	0.03	0.08	0.04	31.10
25.00		687.81	0.05	0.10	0.05	35.68
30.00		671.71	0.08	0.12	0.05	42.67
31.50	Bot - Section 2	198.42	0.08	0.13	0.05	13.48
35.00		846.43	0.10	0.15	0.05	67.69
35.67	Top - Section 1	159.68	0.11	0.16	0.05	13.18
38.50	Appertunance(s)	369.26	0.12	0.19	0.05	34.85
40.00		162.00	0.13	0.20	0.05	16.39
45.00		531.29	0.17	0.26	0.06	67.06
50.00		517.87	0.21	0.33	0.06	79.43
55.00		504.46	0.25	0.41	0.07	91.19
56.00	Appertunance(s)	159.28	0.26	0.43	0.07	29.64
60.00		391.76	0.30	0.50	0.08	80.93
65.00		477.63	0.35	0.59	0.10	109.58
70.00		464.22	0.41	0.68	0.11	115.18
70.00	Bot - Section 3	0.03	0.41	0.68	0.11	0.01
73.50	Top - Section 2	575.94	0.45	0.74	0.12	148.77
75.00		109.35	0.47	0.77	0.13	28.63
80.00		357.62	0.54	0.84	0.14	96.52
85.00		346.89	0.61	0.89	0.16	94.25
90.00		336.16	0.68	0.91	0.17	89.68
95.00		325.42	0.76	0.91	0.19	82.95
100.0		314.69	0.84	0.88	0.21	74.31
105.0		303.96	0.93	0.82	0.23	64.20
110.0		293.23	1.02	0.74	0.25	53.25
110.0	Top - Section 3	0.02	1.02	0.74	0.25	0.00
112.0	Appertunance(s)	2503.96	1.05	0.70	0.26	423.23
115.0		126.54	1.11	0.64	0.28	18.99
120.0		204.47	1.21	0.55	0.32	24.61
122.0	Reinf. Top	169.53	1.25	0.51	0.34	18.66
125.0		116.89	1.31	0.47	0.37	11.38
130.0	Appertunance(s)	2540.37	1.42	0.46	0.45	219.37
135.0		180.32	1.53	0.54	0.55	16.54
140.0	Appertunance(s)	524.28	1.65	0.77	0.69	61.20
145.0		164.23	1.77	1.22	0.88	26.78
150.0	Appertunance(s)	2508.18	1.89	1.98	1.14	580.20
Totals:		21,056.11				3,033.22

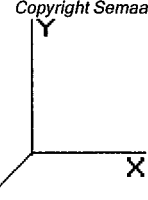
Total Wind : 29,275.5

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

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Load Case: 0.9D + 1.0E	Dead Load with Seismic (Reduced DL)	0 Iterations
Gust Response Factor : 1.10	Sds : 0.19	Ss : 0.23
Dead Load Factor : 0.90	Seismic Load Factor : 1.00	Sd1 : 0.07
Wind Load Factor : 0.00	Structure Frequency : 0.2333	SA : 0.02
		Seismic Importance Factor : 1.00

Total Segment Forces (Factored)

R : 1.50

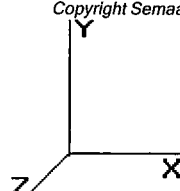
Seg Top Elev (ft)	Description	Wz (lb)	a	b	c	Lateral Fs (lb)	
0.00		0.00	0.00	0.00	0.00	0.00	
5.00		752.19	0.00	0.03	0.02	18.83	
10.00		736.10	0.01	0.05	0.03	24.79	
15.00		720.00	0.02	0.07	0.04	27.98	
20.00		703.90	0.03	0.08	0.04	31.10	
25.00		687.81	0.05	0.10	0.05	35.68	
30.00		671.71	0.08	0.12	0.05	42.67	
31.50	Bot - Section 2	198.42	0.08	0.13	0.05	13.48	
35.00		846.43	0.10	0.15	0.05	67.69	
35.67	Top - Section 1	159.68	0.11	0.16	0.05	13.18	
38.50	Appertunance(s)	369.26	0.12	0.19	0.05	34.85	
40.00		162.00	0.13	0.20	0.05	16.39	
45.00		531.29	0.17	0.26	0.06	67.06	
50.00		517.87	0.21	0.33	0.06	79.43	
55.00		504.46	0.25	0.41	0.07	91.19	
56.00	Appertunance(s)	159.28	0.26	0.43	0.07	29.64	
60.00		391.76	0.30	0.50	0.08	80.93	
65.00		477.63	0.35	0.59	0.10	109.58	
70.00		464.22	0.41	0.68	0.11	115.18	
70.00	Bot - Section 3	0.03	0.41	0.68	0.11	0.01	
73.50	Top - Section 2	575.94	0.45	0.74	0.12	148.77	
75.00		109.35	0.47	0.77	0.13	28.63	
80.00		357.62	0.54	0.84	0.14	96.52	
85.00		346.89	0.61	0.89	0.16	94.25	
90.00		336.16	0.68	0.91	0.17	89.68	
95.00		325.42	0.76	0.91	0.19	82.95	
100.0		314.69	0.84	0.88	0.21	74.31	
105.0		303.96	0.93	0.82	0.23	64.20	
110.0		293.23	1.02	0.74	0.25	53.25	
110.0	Top - Section 3	0.02	1.02	0.74	0.25	0.00	
112.0	Appertunance(s)	2503.96	1.05	0.70	0.26	423.23	
115.0		126.54	1.11	0.64	0.28	18.99	
120.0		204.47	1.21	0.55	0.32	24.61	
122.0	Reinf. Top	169.53	1.25	0.51	0.34	18.66	
125.0		116.89	1.31	0.47	0.37	11.38	
130.0	Appertunance(s)	2540.37	1.42	0.46	0.45	219.37	
135.0		180.32	1.53	0.54	0.55	16.54	
140.0	Appertunance(s)	524.28	1.65	0.77	0.69	61.20	
145.0		164.23	1.77	1.22	0.88	26.78	
150.0	Appertunance(s)	2508.18	1.89	1.98	1.14	580.20	
Totals:		21,056.11				3,033.22	Total Wind : 29,275.5

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

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
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 Taper : 0.156700 (in/ft)

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

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

Shaft Segment Forces (Factored)

Seg Top Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)	
0.00		1.00	0.70	6.129	6.742	161.88	1.000	0.00	0.00	0.000	0.00	0.0	0.0	0.0	
5.00		1.00	0.70	6.129	6.742	158.49	1.200 *	0.00	5.00	15.955	19.15	129.1	0.0	1,086.2	
10.00		1.00	0.70	6.129	6.742	155.10	1.200 *	0.00	5.00	15.617	18.74	126.3	0.0	1,070.1	
15.00		1.00	0.70	6.129	6.742	151.70	1.200 *	0.00	5.00	15.279	18.34	123.6	0.0	1,054.0	
20.00		1.00	0.70	6.129	6.742	148.31	1.200 *	0.00	5.00	14.942	17.93	120.9	0.0	1,037.9	
25.00		1.00	0.70	6.129	6.742	144.92	1.200 *	0.00	5.00	14.604	17.52	118.1	0.0	1,021.8	
30.00		1.00	0.70	6.134	6.747	141.58	1.200 *	0.00	5.00	14.266	17.12	115.5	0.0	1,005.7	
31.50	Bot - Section 2	1.00	0.71	6.220	6.842	141.55	1.200 *	0.00	1.50	4.215	5.06	34.6	0.0	298.6	
35.00		1.00	0.73	6.410	7.051	141.27	1.200 *	0.00	3.50	9.902	11.88	83.8	0.0	1,080.2	
35.67	Top - Section 1	1.00	0.73	6.445	7.089	141.18	1.200 *	0.00	0.67	1.868	2.24	15.9	0.0	204.2	
38.50	Appertunance(s)	1.00	0.75	6.587	7.246	143.55	1.200 *	0.00	2.83	7.869	9.44	68.4	0.0	498.5	
40.00		1.00	0.76	6.659	7.325	143.27	1.200 *	0.00	1.50	4.122	4.95	36.2	0.0	262.2	
45.00		1.00	0.78	6.887	7.576	142.11	1.200 *	0.00	5.00	13.521	16.23	122.9	0.0	865.3	
50.00		1.00	0.81	7.098	7.807	140.61	1.200 *	0.00	5.00	13.183	15.82	123.5	0.0	851.9	
55.00		1.00	0.83	7.294	8.023	138.83	1.200 *	0.00	5.00	12.845	15.41	123.7	0.0	838.5	
56.00	Appertunance(s)	1.00	0.83	7.331	8.064	138.45	1.200 *	0.00	1.00	2.529	3.03	24.5	0.0	166.1	
60.00		1.00	0.85	7.477	8.225	136.82	1.200 *	0.00	4.00	9.979	11.97	98.5	0.0	659.0	
65.00		1.00	0.87	7.650	8.415	134.61	1.200 *	0.00	5.00	12.169	14.60	122.9	0.0	811.6	
70.00		1.00	0.89	7.814	8.595	132.21	1.200 *	0.00	5.00	11.831	14.20	122.0	0.0	798.2	
70.00	Bot - Section 3	1.00	0.89	7.814	8.595	132.21	1.200 *	0.00	0.00	0.001	0.00	0.0	0.0	0.1	
73.50	Top - Section 2	1.00	0.90	7.924	8.716	130.43	1.200 *	0.00	3.50	8.232	9.88	86.1	0.0	809.7	
75.00		1.00	0.91	7.969	8.766	132.12	1.200 *	0.00	1.50	3.476	4.17	36.6	0.0	209.5	
80.00		1.00	0.92	8.118	8.930	129.43	1.200 *	0.00	5.00	11.371	13.65	121.8	0.0	691.6	
85.00		1.00	0.94	8.260	9.086	126.62	1.200 *	0.00	5.00	11.033	13.24	120.3	0.0	680.9	
90.00		1.00	0.95	8.396	9.235	123.69	1.200 *	0.00	5.00	10.695	12.83	118.5	0.0	670.2	
95.00		1.00	0.97	8.526	9.379	120.64	1.200 *	0.00	5.00	10.357	12.43	116.6	0.0	659.4	
100.0		1.00	0.98	8.652	9.517	117.50	1.200 *	0.00	5.00	10.019	12.02	114.4	0.0	648.7	
105.0		1.00	1.00	8.774	9.651	114.26	1.200 *	0.00	5.00	9.681	11.62	112.1	0.0	638.0	
110.0		1.00	1.01	8.891	9.780	110.94	1.200 *	0.00	5.00	9.343	11.21	109.7	0.0	627.2	
110.0	Top - Section 3	1.00	1.01	8.891	9.780	110.94	1.200 *	0.00	0.00	0.001	0.00	0.0	0.0	0.0	
112.0	Appertunance(s)	1.00	1.02	8.937	9.831	109.58	1.200 *	0.00	2.00	3.642	4.37	43.0	0.0	219.5	
115.0		1.00	1.02	9.005	9.905	107.53	1.200 *	0.00	3.00	5.363	6.44	63.7	0.0	326.9	
120.0		1.00	1.04	9.115	10.02	104.05	1.200 *	0.00	5.00	8.667	10.40	104.3	0.0	538.5	
122.0	Reinf. Top	1.00	1.04	9.158	10.07	102.64	1.200 *	0.00	2.00	3.372	4.05	40.8	0.0	213.1	
125.0		1.00	1.05	9.222	10.14	100.49	1.200 *	0.00	3.00	4.957	5.95	60.3	0.0	116.9	
130.0	Appertunance(s)	1.00	1.06	9.326	10.25	96.878	1.200 *	0.00	5.00	7.991	9.59	98.4	0.0	188.4	
135.0		1.00	1.07	9.427	10.36	93.194	1.200 *	0.00	5.00	7.653	9.18	95.2	0.0	180.3	
140.0	Appertunance(s)	1.00	1.08	9.525	10.47	89.449	1.200 *	0.00	5.00	7.315	8.78	92.0	0.0	172.3	
145.0		1.00	1.09	9.621	10.58	85.647	1.200 *	0.00	5.00	6.977	8.37	88.6	0.0	164.2	
150.0	Appertunance(s)	1.00	1.11	9.715	10.68	81.790	1.200 *	0.00	5.00	6.639	7.97	85.1	0.0	156.2	
								Totals:	450.00				61,969.1	0.0	65,902.2

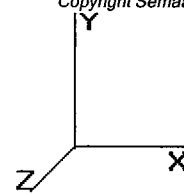
* = Cf Adjusted By Linear Load Ra Effect

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

25 Iterations

Gust Response Factor : 1.10

Wind Importance Factor : 1.00

Dead Load Factor : 1.00

Wind Load Factor : 1.00

Discrete Appurtenance Segment Forces (Factored)

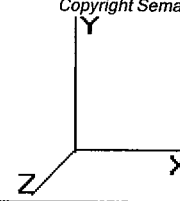
Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	CaAa Factor	Ka	Total CaAa (sf)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)	Dead Load (lb)
38.50	GPS	1	6.599	7.259	1.00	1.00	0.60	0.000	0.250	4.36	0.00	1.09	1.50
56.00	Channel Master Type	1	7.331	8.064	1.00	1.00	20.91	0.000	0.000	168.63	0.00	0.00	188.00
112.0	24" x 24" Junction	1	8.937	9.831	0.80	0.80	4.48	0.000	0.000	44.04	0.00	0.00	20.00
112.0	DragonWave Horizon	2	8.937	9.831	0.54	0.80	0.46	0.000	0.000	4.53	0.00	0.00	21.20
112.0	DragonWave A-ANT-	2	8.937	9.831	0.64	0.80	6.00	0.000	0.000	59.02	0.00	0.00	54.00
112.0	Argus LLPX310R	3	8.937	9.831	0.56	0.80	8.11	0.000	0.000	79.77	0.00	0.00	16.08
112.0	NextNet BTS-2500	3	8.937	9.831	0.54	0.80	3.41	0.000	0.000	33.51	0.00	0.00	105.00
112.0	Collar	1	8.937	9.831	0.80	0.80	6.80	0.000	0.000	66.85	0.00	0.00	40.00
122.0	Flush Mounts	1	9.158	10.074	1.00	1.00	3.50	0.000	0.000	35.26	0.00	0.00	200.00
122.0	RFS APXV18-206517S-	3	9.158	10.074	0.58	0.80	9.04	0.000	0.000	91.07	0.00	0.00	79.20
130.0	Round Low Profile PI	1	9.326	10.258	1.00	1.00	21.70	0.000	0.000	222.60	0.00	0.00	1,500.00
130.0	Antel LPA-80080/6CF	6	9.326	10.258	0.59	0.80	32.32	0.000	0.000	331.58	0.00	0.00	126.00
130.0	RFS FD9R6004/2C-3L	6	9.326	10.258	0.40	0.80	0.89	0.000	0.000	9.11	0.00	0.00	15.60
130.0	Antel BXA-171085-12C	3	9.326	10.258	0.70	0.80	10.07	0.000	0.000	103.34	0.00	0.00	45.00
130.0	Antel BXA-70063-4CF-	3	9.326	10.258	0.59	0.80	9.16	0.000	0.000	94.01	0.00	0.00	29.70
140.0	Andrew Dual Duplex T	6	9.525	10.478	0.40	0.80	1.61	0.000	0.000	16.85	0.00	0.00	66.00
140.0	RFS APX16DWV-	3	9.525	10.478	0.54	0.80	10.77	0.000	0.000	112.88	0.00	0.00	118.80
140.0	EMS RR90-17-02DP	3	9.525	10.478	0.54	0.80	7.01	0.000	0.000	73.46	0.00	0.00	54.00
140.0	Flat Low Profile Pla	1	9.525	10.478	1.00	1.00	26.10	0.000	0.000	273.47	0.00	0.00	1,500.00
150.0	TTA	6	9.788	10.767	0.40	0.80	3.36	0.000	4.000	36.18	0.00	144.71	60.00
150.0	Powerwave LGP13519	6	9.788	10.767	0.40	0.80	0.82	0.000	4.000	8.79	0.00	35.14	30.00
150.0	Allaon 7770.00	6	9.788	10.767	0.60	0.80	21.17	0.000	4.000	227.92	0.00	911.66	210.00
150.0	Decibel DB809KE-SY	2	9.818	10.800	0.80	0.80	5.44	0.000	5.667	58.75	0.00	332.92	52.00
150.0	Round Platform w/ Ha	1	9.715	10.686	1.00	1.00	27.20	0.000	0.000	290.67	0.00	0.00	2,000.00
										2,446.63			6,532.08

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)

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

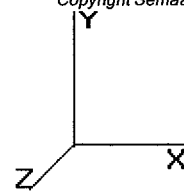
Linear Appurtenance Segment Forces (Factored)

Seg Top Elev (ft)	Description	Exposed To Wind	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	qz (psf)	Ra	Cf Adjust Factor	FX (lb)	Dead Load (lb)
5.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.389	0.000	13.35	32.80
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.389	0.000	0.00	24.60
5.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	6.129	0.389	0.000	20.02	49.19
5.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	6.129	0.389	0.000	16.85	334.00
5.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.389	0.000	0.00	24.60
5.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.389	0.000	0.00	3.00
5.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.389	0.000	0.00	36.50
5.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.389	0.000	0.00	0.14
5.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.389	0.000	0.00	0.75
10.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.398	0.000	13.35	32.80
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.398	0.000	0.00	24.60
10.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	6.129	0.398	0.000	20.02	49.19
10.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	6.129	0.398	0.000	16.85	334.00
10.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.398	0.000	0.00	24.60
10.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.398	0.000	0.00	3.00
10.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.398	0.000	0.00	36.50
10.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.398	0.000	0.00	0.14
10.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.398	0.000	0.00	0.75
15.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.406	0.000	13.35	32.80
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.406	0.000	0.00	24.60
15.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	6.129	0.406	0.000	20.02	49.19
15.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	6.129	0.406	0.000	16.85	334.00
15.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.406	0.000	0.00	24.60
15.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.406	0.000	0.00	3.00
15.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.406	0.000	0.00	36.50
15.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.406	0.000	0.00	0.14
15.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.406	0.000	0.00	0.75
20.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.416	0.000	13.35	32.80
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.416	0.000	0.00	24.60
20.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	6.129	0.416	0.000	20.02	49.19
20.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	6.129	0.416	0.000	16.85	334.00
20.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.416	0.000	0.00	24.60
20.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.416	0.000	0.00	3.00
20.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.416	0.000	0.00	36.50
20.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.416	0.000	0.00	0.14
20.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.416	0.000	0.00	0.75
25.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.129	0.425	0.000	13.35	32.80
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.425	0.000	0.00	24.60
25.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	6.129	0.425	0.000	20.02	49.19
25.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	6.129	0.425	0.000	16.85	334.00
25.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.425	0.000	0.00	24.60
25.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.425	0.000	0.00	3.00
25.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.425	0.000	0.00	36.50
25.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.425	0.000	0.00	0.14
25.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.129	0.425	0.000	0.00	0.75
30.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.134	0.435	0.000	13.36	32.80
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.435	0.000	0.00	24.60
30.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	6.134	0.435	0.000	20.04	49.19
30.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	6.134	0.435	0.000	16.87	334.00
30.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.435	0.000	0.00	24.60
30.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.435	0.000	0.00	3.00

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



Load Case: 1.0D + 1.0W

60.00 mph Serviceability

25 Iterations

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

Wind Importance Factor : 1.00

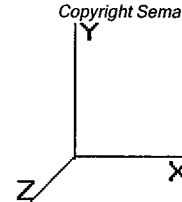
30.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.435	0.000	0.00	36.50
30.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.435	0.000	0.00	0.14
30.00	(1) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.134	0.435	0.000	0.00	0.75
31.50	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.50	0.59	6.220	0.442	0.000	4.07	9.84
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.220	0.442	0.000	0.00	7.38
31.50	(12) 1 5/8" Coax	Yes	1.50	1.200	5.94	0.74	0.89	6.220	0.442	0.000	6.10	14.76
31.50	(4) #20 Dwidag bars	Yes	1.50	1.200	5.00	0.63	0.75	6.220	0.442	0.000	5.13	100.22
31.50	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.220	0.442	0.000	0.00	7.38
31.50	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.220	0.442	0.000	0.00	0.90
31.50	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	6.220	0.442	0.000	0.00	10.95
31.50	(1) RG6	Yes	1.50	0.000	0.00	0.00	0.00	6.220	0.442	0.000	0.00	0.04
31.50	(1) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.220	0.442	0.000	0.00	0.23
35.00	(8) 1 5/8" Coax	Yes	3.50	1.200	3.96	1.15	1.39	6.410	0.447	0.000	9.77	22.95
35.00	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	6.410	0.447	0.000	0.00	17.22
35.00	(12) 1 5/8" Coax	Yes	3.50	1.200	5.94	1.73	2.08	6.410	0.447	0.000	14.66	34.43
35.00	(4) #20 Dwidag bars	Yes	3.50	1.200	5.00	1.46	1.75	6.410	0.447	0.000	12.34	233.78
35.00	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	6.410	0.447	0.000	0.00	17.22
35.00	(4) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	6.410	0.447	0.000	0.00	2.10
35.00	(2) 2" Cond.	Yes	3.50	0.000	0.00	0.00	0.00	6.410	0.447	0.000	0.00	25.55
35.00	(1) RG6	Yes	3.50	0.000	0.00	0.00	0.00	6.410	0.447	0.000	0.00	0.10
35.00	(1) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	6.410	0.447	0.000	0.00	0.52
35.67	(8) 1 5/8" Coax	Yes	0.67	1.200	3.96	0.22	0.26	6.445	0.452	0.000	1.87	4.37
35.67	(6) 1 5/8" Coax	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.452	0.000	0.00	3.28
35.67	(12) 1 5/8" Coax	Yes	0.67	1.200	5.94	0.33	0.40	6.445	0.452	0.000	2.81	6.56
35.67	(4) #20 Dwidag bars	Yes	0.67	1.200	5.00	0.28	0.33	6.445	0.452	0.000	2.36	44.56
35.67	(6) 1 5/8" Coax	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.452	0.000	0.00	3.28
35.67	(4) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.452	0.000	0.00	0.40
35.67	(2) 2" Cond.	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.452	0.000	0.00	4.87
35.67	(1) RG6	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.452	0.000	0.00	0.02
35.67	(1) 1/2" Coax	Yes	0.67	0.000	0.00	0.00	0.00	6.445	0.452	0.000	0.00	0.10
38.50	(8) 1 5/8" Coax	Yes	2.83	1.200	3.96	0.93	1.12	6.587	0.447	0.000	8.13	18.58
38.50	(6) 1 5/8" Coax	Yes	2.83	0.000	0.00	0.00	0.00	6.587	0.447	0.000	0.00	13.94
38.50	(12) 1 5/8" Coax	Yes	2.83	1.200	5.94	1.40	1.68	6.587	0.447	0.000	12.19	27.87
38.50	(4) #20 Dwidag bars	Yes	2.83	1.200	5.00	1.18	1.42	6.587	0.447	0.000	10.26	189.24
38.50	(6) 1 5/8" Coax	Yes	2.83	0.000	0.00	0.00	0.00	6.587	0.447	0.000	0.00	13.94
38.50	(4) 1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	6.587	0.447	0.000	0.00	1.70
38.50	(2) 2" Cond.	Yes	2.83	0.000	0.00	0.00	0.00	6.587	0.447	0.000	0.00	20.68
38.50	(1) RG6	Yes	2.83	0.000	0.00	0.00	0.00	6.587	0.447	0.000	0.00	0.08
38.50	(1) 1/2" Coax	Yes	2.83	0.000	0.00	0.00	0.00	6.587	0.447	0.000	0.00	0.42
40.00	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.50	0.59	6.659	0.452	0.000	4.35	9.84
40.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.659	0.452	0.000	0.00	7.38
40.00	(12) 1 5/8" Coax	Yes	1.50	1.200	5.94	0.74	0.89	6.659	0.452	0.000	6.53	14.76
40.00	(4) #20 Dwidag bars	Yes	1.50	1.200	5.00	0.63	0.75	6.659	0.452	0.000	5.49	100.20
40.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.659	0.452	0.000	0.00	7.38
40.00	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	6.659	0.452	0.000	0.00	0.90
40.00	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	6.659	0.452	0.000	0.00	10.95
40.00	(1) RG6	Yes	1.50	0.000	0.00	0.00	0.00	6.659	0.452	0.000	0.00	0.04
45.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	6.887	0.459	0.000	15.00	32.80
45.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.887	0.459	0.000	0.00	24.60
45.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	6.887	0.459	0.000	22.50	49.19
45.00	(4) #20 Dwidag bars	Yes	5.00	1.200	5.00	2.08	2.50	6.887	0.459	0.000	18.94	334.00
45.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.887	0.459	0.000	0.00	24.60
45.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	6.887	0.459	0.000	0.00	3.00
45.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	6.887	0.459	0.000	0.00	36.50
45.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	6.887	0.459	0.000	0.00	0.14
50.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.098	0.471	0.000	15.46	32.80
50.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.098	0.471	0.000	0.00	24.60

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W 60.00 mph Serviceability 25 Iterations

Gust Response Factor : 1.10 Wind Importance Factor : 1.00

Dead Load Factor : 1.00

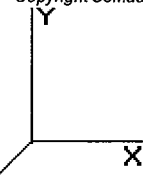
Wind Load Factor : 1.00

50.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	7.098	0.471	0.000	23.19	49.19
50.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	7.098	0.471	0.000	19.52	334.00
50.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.098	0.471	0.000	0.00	24.60
50.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.098	0.471	0.000	0.00	3.00
50.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	7.098	0.471	0.000	0.00	36.50
50.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	7.098	0.471	0.000	0.00	0.14
55.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.294	0.483	0.000	15.89	32.80
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.483	0.000	0.00	24.60
55.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	7.294	0.483	0.000	23.83	49.19
55.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	7.294	0.483	0.000	20.06	334.00
55.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.483	0.000	0.00	24.60
55.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.483	0.000	0.00	3.00
55.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.483	0.000	0.00	36.50
55.00	(1) RG6	Yes	5.00	0.000	0.00	0.00	0.00	7.294	0.483	0.000	0.00	0.14
56.00	(8) 1 5/8" Coax	Yes	1.00	1.200	3.96	0.33	0.40	7.331	0.491	0.000	3.19	6.56
56.00	(6) 1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.491	0.000	0.00	4.92
56.00	(12) 1 5/8" Coax	Yes	1.00	1.200	5.94	0.50	0.59	7.331	0.491	0.000	4.79	9.84
56.00	(4) #20 Dywidag bars	Yes	1.00	1.200	5.00	0.42	0.50	7.331	0.491	0.000	4.03	66.80
56.00	(6) 1 5/8" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.491	0.000	0.00	4.92
56.00	(4) 1/2" Coax	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.491	0.000	0.00	0.60
56.00	(2) 2" Cond.	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.491	0.000	0.00	7.30
56.00	(1) RG6	Yes	1.00	0.000	0.00	0.00	0.00	7.331	0.491	0.000	0.00	0.03
60.00	(8) 1 5/8" Coax	Yes	4.00	1.200	3.96	1.32	1.58	7.477	0.498	0.000	13.03	26.24
60.00	(6) 1 5/8" Coax	Yes	4.00	0.000	0.00	0.00	0.00	7.477	0.498	0.000	0.00	19.68
60.00	(12) 1 5/8" Coax	Yes	4.00	1.200	5.94	1.98	2.38	7.477	0.498	0.000	19.54	39.36
60.00	(4) #20 Dywidag bars	Yes	4.00	1.200	5.00	1.67	2.00	7.477	0.498	0.000	16.45	267.20
60.00	(6) 1 5/8" Coax	Yes	4.00	0.000	0.00	0.00	0.00	7.477	0.498	0.000	0.00	19.68
60.00	(4) 1/2" Coax	Yes	4.00	0.000	0.00	0.00	0.00	7.477	0.498	0.000	0.00	2.40
60.00	(2) 2" Cond.	Yes	4.00	0.000	0.00	0.00	0.00	7.477	0.498	0.000	0.00	29.20
65.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.650	0.510	0.000	16.66	32.80
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.510	0.000	0.00	24.60
65.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	7.650	0.510	0.000	24.99	49.19
65.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	7.650	0.510	0.000	21.04	334.00
65.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.510	0.000	0.00	24.60
65.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.510	0.000	0.00	3.00
65.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	7.650	0.510	0.000	0.00	36.50
70.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	7.814	0.525	0.000	17.02	32.80
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.525	0.000	0.00	24.60
70.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	7.814	0.525	0.000	25.53	49.19
70.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	7.814	0.525	0.000	21.49	334.00
70.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.525	0.000	0.00	24.60
70.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.525	0.000	0.00	3.00
70.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	7.814	0.525	0.000	0.00	36.50
70.00	(8) 1 5/8" Coax	Yes	0.00	1.200	3.96	0.00	0.00	7.814	0.532	0.000	0.00	0.00
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	7.814	0.532	0.000	0.00	0.00
70.00	(12) 1 5/8" Coax	Yes	0.00	1.200	5.94	0.00	0.00	7.814	0.532	0.000	0.00	0.00
70.00	(4) #20 Dywidag bars	Yes	0.00	1.200	5.00	0.00	0.00	7.814	0.532	0.000	0.00	0.02
70.00	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	7.814	0.532	0.000	0.00	0.00
70.00	(4) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	7.814	0.532	0.000	0.00	0.00
70.00	(2) 2" Cond.	Yes	0.00	0.000	0.00	0.00	0.00	7.814	0.532	0.000	0.00	0.00
73.50	(8) 1 5/8" Coax	Yes	3.50	1.200	3.96	1.15	1.39	7.924	0.538	0.000	12.08	22.96
73.50	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	7.924	0.538	0.000	0.00	17.22
73.50	(12) 1 5/8" Coax	Yes	3.50	1.200	5.94	1.73	2.08	7.924	0.538	0.000	18.12	34.44
73.50	(4) #20 Dywidag bars	Yes	3.50	1.200	5.00	1.46	1.75	7.924	0.538	0.000	15.25	233.80
73.50	(6) 1 5/8" Coax	Yes	3.50	0.000	0.00	0.00	0.00	7.924	0.538	0.000	0.00	17.22
73.50	(4) 1/2" Coax	Yes	3.50	0.000	0.00	0.00	0.00	7.924	0.538	0.000	0.00	2.10
73.50	(2) 2" Cond.	Yes	3.50	0.000	0.00	0.00	0.00	7.924	0.538	0.000	0.00	25.55

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

25 Iterations

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

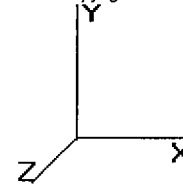
Wind Importance Factor : 1.00

75.00	(8) 1 5/8" Coax	Yes	1.50	1.200	3.96	0.49	0.59	7.969	0.536	0.000	5.21	9.84
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.969	0.536	0.000	0.00	7.38
75.00	(12) 1 5/8" Coax	Yes	1.50	1.200	5.94	0.74	0.89	7.969	0.536	0.000	7.81	14.75
75.00	(4) #20 Dywidag bars	Yes	1.50	1.200	5.00	0.62	0.75	7.969	0.536	0.000	6.57	100.18
75.00	(6) 1 5/8" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.969	0.536	0.000	0.00	7.38
75.00	(4) 1/2" Coax	Yes	1.50	0.000	0.00	0.00	0.00	7.969	0.536	0.000	0.00	0.90
75.00	(2) 2" Cond.	Yes	1.50	0.000	0.00	0.00	0.00	7.969	0.536	0.000	0.00	10.95
80.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.118	0.546	0.000	17.68	32.80
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.546	0.000	0.00	24.60
80.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	8.118	0.546	0.000	26.52	49.19
80.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	8.118	0.546	0.000	22.32	334.00
80.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.546	0.000	0.00	24.60
80.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.546	0.000	0.00	3.00
80.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	8.118	0.546	0.000	0.00	36.50
85.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.260	0.563	0.000	17.99	32.80
85.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.260	0.563	0.000	0.00	24.60
85.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	8.260	0.563	0.000	26.98	49.19
85.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	8.260	0.563	0.000	22.71	334.00
85.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.260	0.563	0.000	0.00	24.60
85.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.260	0.563	0.000	0.00	3.00
85.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	8.260	0.563	0.000	0.00	36.50
90.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.396	0.580	0.000	18.29	32.80
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.396	0.580	0.000	0.00	24.60
90.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	8.396	0.580	0.000	27.43	49.19
90.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	8.396	0.580	0.000	23.09	334.00
90.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.396	0.580	0.000	0.00	24.60
90.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.396	0.580	0.000	0.00	3.00
90.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	8.396	0.580	0.000	0.00	36.50
95.00	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.526	0.599	0.000	18.57	32.80
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.526	0.599	0.000	0.00	24.60
95.00	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	8.526	0.599	0.000	27.86	49.19
95.00	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	8.526	0.599	0.000	23.45	334.00
95.00	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.526	0.599	0.000	0.00	24.60
95.00	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.526	0.599	0.000	0.00	3.00
95.00	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	8.526	0.599	0.000	0.00	36.50
100.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.652	0.620	0.000	18.84	32.80
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.652	0.620	0.000	0.00	24.60
100.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	8.652	0.620	0.000	28.27	49.19
100.0	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	8.652	0.620	0.000	23.79	334.00
100.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.652	0.620	0.000	0.00	24.60
100.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.652	0.620	0.000	0.00	3.00
100.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	8.652	0.620	0.000	0.00	36.50
105.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.774	0.641	0.000	19.11	32.80
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.774	0.641	0.000	0.00	24.60
105.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	8.774	0.641	0.000	28.66	49.19
105.0	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	8.774	0.641	0.000	24.13	334.00
105.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.774	0.641	0.000	0.00	24.60
105.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.774	0.641	0.000	0.00	3.00
105.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	8.774	0.641	0.000	0.00	36.50
110.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	8.891	0.664	0.000	19.36	32.80
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.891	0.664	0.000	0.00	24.60
110.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	8.891	0.664	0.000	29.05	49.19
110.0	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	8.891	0.664	0.000	24.45	334.00
110.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.891	0.664	0.000	0.00	24.60
110.0	(4) 1/2" Coax	Yes	5.00	0.000	0.00	0.00	0.00	8.891	0.664	0.000	0.00	3.00
110.0	(2) 2" Cond.	Yes	5.00	0.000	0.00	0.00	0.00	8.891	0.664	0.000	0.00	36.50
110.0	(8) 1 5/8" Coax	Yes	0.00	1.200	3.96	0.00	0.00	8.891	0.677	0.000	0.00	0.00

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

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

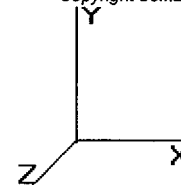
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	8.891	0.677	0.000	0.00	0.00
110.0	(12) 1 5/8" Coax	Yes	0.00	1.200	5.94	0.00	0.00	8.891	0.677	0.000	0.00	0.00
110.0	(4) #20 Dywidag bars	Yes	0.00	1.200	5.00	0.00	0.00	8.891	0.677	0.000	0.00	0.02
110.0	(6) 1 5/8" Coax	Yes	0.00	0.000	0.00	0.00	0.00	8.891	0.677	0.000	0.00	0.00
110.0	(4) 1/2" Coax	Yes	0.00	0.000	0.00	0.00	0.00	8.891	0.677	0.000	0.00	0.00
110.0	(2) 2" Cond.	Yes	0.00	0.000	0.00	0.00	0.00	8.891	0.677	0.000	0.00	0.00
112.0	(8) 1 5/8" Coax	Yes	2.00	1.200	3.96	0.66	0.79	8.937	0.682	0.000	7.78	13.12
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	8.937	0.682	0.000	0.00	9.84
112.0	(12) 1 5/8" Coax	Yes	2.00	1.200	5.94	0.99	1.19	8.937	0.682	0.000	11.68	19.67
112.0	(4) #20 Dywidag bars	Yes	2.00	1.200	5.00	0.83	1.00	8.937	0.682	0.000	9.83	133.58
112.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	8.937	0.682	0.000	0.00	9.84
112.0	(4) 1/2" Coax	Yes	2.00	0.000	0.00	0.00	0.00	8.937	0.682	0.000	0.00	1.20
112.0	(2) 2" Cond.	Yes	2.00	0.000	0.00	0.00	0.00	8.937	0.682	0.000	0.00	14.60
115.0	(8) 1 5/8" Coax	Yes	3.00	1.200	3.96	0.99	1.19	9.005	0.695	0.000	11.77	19.68
115.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	9.005	0.695	0.000	0.00	14.76
115.0	(12) 1 5/8" Coax	Yes	3.00	1.200	5.94	1.49	1.78	9.005	0.695	0.000	17.65	29.52
115.0	(4) #20 Dywidag bars	Yes	3.00	1.200	5.00	1.25	1.50	9.005	0.695	0.000	14.86	200.40
115.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	9.005	0.695	0.000	0.00	14.76
120.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	9.115	0.716	0.000	19.85	32.80
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.115	0.716	0.000	0.00	24.60
120.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	9.115	0.716	0.000	29.78	49.19
120.0	(4) #20 Dywidag bars	Yes	5.00	1.200	5.00	2.08	2.50	9.115	0.716	0.000	25.07	334.00
120.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.115	0.716	0.000	0.00	24.60
122.0	(8) 1 5/8" Coax	Yes	2.00	1.200	3.96	0.66	0.79	9.158	0.736	0.000	7.98	13.12
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	9.158	0.736	0.000	0.00	9.84
122.0	(12) 1 5/8" Coax	Yes	2.00	1.200	5.94	0.99	1.19	9.158	0.736	0.000	11.97	19.68
122.0	(4) #20 Dywidag bars	Yes	2.00	1.200	5.00	0.83	1.00	9.158	0.736	0.000	10.07	133.60
122.0	(6) 1 5/8" Coax	Yes	2.00	0.000	0.00	0.00	0.00	9.158	0.736	0.000	0.00	9.84
125.0	(8) 1 5/8" Coax	Yes	3.00	1.200	3.96	0.99	1.19	9.222	0.751	0.000	12.05	19.68
125.0	(6) 1 5/8" Coax	Yes	3.00	0.000	0.00	0.00	0.00	9.222	0.751	0.000	0.00	14.76
125.0	(12) 1 5/8" Coax	Yes	3.00	1.200	5.94	1.49	1.78	9.222	0.751	0.000	18.08	29.52
125.0	(4) #20 Dywidag bars	Yes	3.00	1.200	5.00	1.25	1.50	9.222	0.751	0.000	15.22	200.40
130.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	9.326	0.516	0.000	20.31	32.80
130.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.326	0.516	0.000	0.00	24.60
130.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.326	0.516	0.000	0.00	24.60
130.0	(12) 1 5/8" Coax	Yes	5.00	1.200	5.94	2.47	2.97	9.326	0.516	0.000	30.47	49.19
135.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	9.427	0.216	0.000	20.53	32.80
135.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.427	0.216	0.000	0.00	24.60
135.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.427	0.216	0.000	0.00	24.60
140.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	9.525	0.226	0.000	20.75	32.80
140.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.525	0.226	0.000	0.00	24.60
140.0	(6) 1 5/8" Coax	Yes	5.00	0.000	0.00	0.00	0.00	9.525	0.226	0.000	0.00	24.60
145.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	9.621	0.236	0.000	20.95	32.80
150.0	(8) 1 5/8" Coax	Yes	5.00	1.200	3.96	1.65	1.98	9.715	0.249	0.000	21.16	32.80

Totals: 1,680.99 12,867.74

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)



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

Applied Segment Forces Summary

Seg Elev (ft)	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00	0.00	0.00	0.00	0.00
5.00	179.30	1,613.61	0.00	0.00
10.00	176.57	1,597.52	0.00	0.00
15.00	173.83	1,581.42	0.00	0.00
20.00	171.10	1,565.33	0.00	0.00
25.00	168.36	1,549.23	0.00	0.00
30.00	165.77	1,533.13	0.00	0.00
31.50	49.90	456.90	0.00	0.00
35.00	120.55	1,449.37	0.00	0.00
35.67	22.94	274.59	0.00	0.00
38.50	103.36	798.84	0.00	1.09
40.00	52.61	420.20	0.00	0.00
45.00	179.36	1,391.96	0.00	0.00
50.00	181.68	1,378.55	0.00	0.00
55.00	183.44	1,365.13	0.00	0.00
56.00	205.11	459.42	0.00	0.00
60.00	147.51	1,080.19	0.00	0.00
65.00	185.58	1,338.16	0.00	0.00
70.00	186.07	1,324.75	0.00	0.00
70.00	0.01	0.09	0.00	0.00
73.50	131.55	1,178.31	0.00	0.00
75.00	56.16	367.45	0.00	0.00
80.00	188.37	1,218.15	0.00	0.00
85.00	187.98	1,207.41	0.00	0.00
90.00	187.33	1,196.68	0.00	0.00
95.00	186.44	1,185.95	0.00	0.00
100.0	185.33	1,175.22	0.00	0.00
105.0	184.02	1,164.49	0.00	0.00
110.0	182.52	1,153.76	0.00	0.00
110.0	0.01	0.08	0.00	0.00
112.0	359.97	686.39	0.00	0.00
115.0	108.02	618.35	0.00	0.00
120.0	178.98	1,024.15	0.00	0.00
122.0	197.11	686.60	0.00	0.00
125.0	105.68	393.54	0.00	0.00
130.0	909.79	2,056.35	0.00	0.00
135.0	115.77	282.81	0.00	0.00
140.0	589.38	2,013.56	0.00	0.00
145.0	109.57	217.52	0.00	0.00
150.0	728.60	2,561.47	0.00	1,424.44
Totals:	7,545.63	41,566.65	0.00	1,425.53

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)

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Load Case: 1.0D + 1.0W

60.00 mph Serviceability

25 Iterations

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

Wind Importance Factor : 1.00

Calculated Forces

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation (deg)	Ratio
0.00	-41.56	-7.58	0.00	-736.48	0.00	736.48	2,613.99	1,306.99	3,984.35	1,967.72	0.00	0.00	0.243
5.00	-39.94	-7.45	0.00	-698.61	0.00	698.61	2,558.64	1,279.32	3,816.59	1,884.87	0.04	-0.08	0.238
10.00	-38.33	-7.33	0.00	-661.35	0.00	661.35	2,503.30	1,251.65	3,652.43	1,803.80	0.17	-0.16	0.233
15.00	-36.74	-7.20	0.00	-624.73	0.00	624.73	2,447.95	1,223.98	3,491.89	1,724.51	0.39	-0.24	0.228
20.00	-35.16	-7.07	0.00	-588.74	0.00	588.74	2,392.60	1,196.30	3,334.95	1,647.01	0.68	-0.32	0.222
25.00	-33.61	-6.94	0.00	-553.40	0.00	553.40	2,337.26	1,168.63	3,181.62	1,571.28	1.07	-0.40	0.216
30.00	-32.07	-6.79	0.00	-518.71	0.00	518.71	2,281.91	1,140.96	3,031.90	1,497.34	1.53	-0.48	0.209
31.50	-31.61	-6.76	0.00	-508.53	0.00	508.53	2,265.31	1,132.65	2,987.68	1,475.50	1.69	-0.51	0.207
35.00	-30.16	-6.64	0.00	-484.88	0.00	484.88	2,226.57	1,113.28	2,885.79	1,425.19	2.08	-0.56	0.200
35.67	-29.88	-6.63	0.00	-480.45	0.00	480.45	1,889.79	944.90	2,499.95	1,234.63	2.16	-0.58	0.216
38.50	-29.08	-6.53	0.00	-461.67	0.00	461.67	1,863.66	931.83	2,430.96	1,200.56	2.52	-0.62	0.212
40.00	-28.65	-6.50	0.00	-451.87	0.00	451.87	1,849.82	924.91	2,394.82	1,182.71	2.72	-0.64	0.210
45.00	-27.25	-6.35	0.00	-419.35	0.00	419.35	1,803.70	901.85	2,276.32	1,124.19	3.44	-0.73	0.201
50.00	-25.87	-6.18	0.00	-387.61	0.00	387.61	1,757.58	878.79	2,160.82	1,067.15	4.24	-0.81	0.193
55.00	-24.50	-6.00	0.00	-356.70	0.00	356.70	1,711.46	855.73	2,048.33	1,011.59	5.13	-0.88	0.184
56.00	-24.04	-5.80	0.00	-350.70	0.00	350.70	1,702.23	851.12	2,026.20	1,000.66	5.31	-0.90	0.182
60.00	-22.96	-5.67	0.00	-327.49	0.00	327.49	1,665.34	832.67	1,938.85	957.53	6.09	-0.96	0.175
65.00	-21.61	-5.48	0.00	-299.16	0.00	299.16	1,619.22	809.61	1,832.38	904.94	7.14	-1.04	0.166
70.00	-20.29	-5.29	0.00	-271.74	0.00	271.74	1,573.10	786.55	1,728.91	853.84	8.27	-1.11	0.156
70.00	-20.29	-5.29	0.00	-271.74	0.00	271.74	1,573.09	786.55	1,728.90	853.84	8.27	-1.11	0.156
73.50	-19.11	-5.15	0.00	-253.21	0.00	253.21	1,259.14	629.57	1,387.79	685.38	9.10	-1.16	0.161
75.00	-18.74	-5.10	0.00	-245.48	0.00	245.48	1,248.07	624.03	1,363.39	673.33	9.47	-1.18	0.157
80.00	-17.52	-4.91	0.00	-219.97	0.00	219.97	1,211.17	605.59	1,283.60	633.92	10.74	-1.25	0.146
85.00	-16.31	-4.71	0.00	-195.41	0.00	195.41	1,174.27	587.14	1,206.22	595.71	12.09	-1.32	0.135
90.00	-15.11	-4.51	0.00	-171.84	0.00	171.84	1,137.38	568.69	1,131.25	558.68	13.50	-1.38	0.123
95.00	-13.93	-4.31	0.00	-149.27	0.00	149.27	1,100.48	550.24	1,058.68	522.84	14.98	-1.44	0.111
100.00	-12.75	-4.11	0.00	-127.70	0.00	127.70	1,063.58	531.79	988.52	488.19	16.52	-1.50	0.099
105.00	-11.59	-3.90	0.00	-107.16	0.00	107.16	1,026.69	513.34	920.76	454.73	18.12	-1.55	0.086
110.00	-10.44	-3.69	0.00	-87.63	0.00	87.63	989.79	494.89	855.40	422.45	19.76	-1.59	0.074
110.00	-10.44	-3.70	0.00	-87.63	0.00	87.63	989.79	494.89	855.40	422.45	19.77	-1.59	0.074
110.00	-10.44	-3.70	0.00	-87.63	0.00	87.63	989.79	494.89	855.40	422.45	19.77	-1.59	0.080
112.00	-9.76	-3.32	0.00	-80.24	0.00	80.24	733.48	366.74	628.11	310.20	20.44	-1.61	0.075
115.00	-9.15	-3.20	0.00	-70.28	0.00	70.28	716.88	358.44	599.87	296.25	21.46	-1.63	0.067
120.00	-8.13	-2.99	0.00	-54.28	0.00	54.28	689.20	344.60	554.25	273.72	23.19	-1.67	0.054
122.00	-7.45	-2.78	0.00	-48.29	0.00	48.29	689.20	344.60	554.25	273.72	23.89	-1.68	0.049
122.00	-7.45	-2.78	0.00	-48.29	0.00	48.29	689.20	344.60	554.25	273.72	23.89	-1.68	0.193
125.00	-7.05	-2.67	0.00	-39.95	0.00	39.95	661.53	330.77	510.43	252.08	24.95	-1.70	0.169
130.00	-5.02	-1.70	0.00	-26.61	0.00	26.61	633.86	316.93	468.41	231.33	26.78	-1.79	0.123
135.00	-4.74	-1.58	0.00	-18.08	0.00	18.08	606.19	303.09	428.21	211.47	28.70	-1.86	0.093
140.00	-2.75	-0.93	0.00	-10.16	0.00	10.16	578.51	289.26	389.80	192.51	30.68	-1.92	0.058
145.00	-2.54	-0.82	0.00	-5.50	0.00	5.50	550.84	275.42	353.20	174.43	32.71	-1.95	0.036
150.00	0.00	-0.73	0.00	-1.42	0.00	1.42	523.17	261.58	318.40	157.25	34.76	-1.97	0.009

Pole : 302489
Location : Enfd - Enfield, CT
Height : 150.0 (ft)
Shape : 12 Sides
Base Dia : 37.38 (in)
Top Dia : 15.00 (in)
Taper : 0.156700 (in/ft)

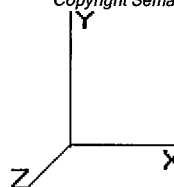
Code: ANSI/TIA-222 Rev G
Struct Class : II
Exposure Category : B
Topographic Category : 1

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Base Elev : 0.000 (ft)



Analysis Summary

Load Case	Reactions						Max Usage	
	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)	Elev (ft)	Interaction Ratio
1.2D + 1.6W	29.41	0.00	48.17	0.00	0.00	2891.65	0.00	0.93
0.9D + 1.6W	29.38	0.00	38.14	0.00	0.00	2846.83	0.00	0.91
1.2D + 1.0Di + 1.0Wi	8.34	0.00	110.11	0.00	0.00	970.51	0.00	0.34
1.0D + 1.0W	7.58	0.00	41.56	0.00	0.00	736.48	0.00	0.24

Additional Steel Summary

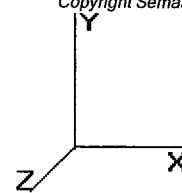
Elev From (ft)	Elev To (ft)	Member	Intermediate Connectors			Upper Termination Connectors				Lower Termination Connectors				Max Member		
			VQ/I (lb/in)	Applied (kips)	phiVn (kips)	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	MQ/I (kips)	phiVn (kips)	Num Reqd	Num Actual	Pu (kip)	phiPn (kip)	Ratio
0.00	122.00	(4) SOL-#20 All Thre	355.4	10.7	16.8	67.4	12.0	6	16	0.0	12.0	0	0	301.9	330.5	0.91

Pole : 302489
 Location : Enfd - Enfield, CT
 Height : 150.0 (ft)
 Shape : 12 Sides
 Base Dia : 37.38 (in)
 Top Dia : 15.00 (in)
 Taper : 0.156700 (in/ft)

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

Base Elev : 0.000 (ft)

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Base Summary

Reactions

Original Design		Analysis				
Moment (kip-ft)	Axial (kip)	Shear (kip)	Moment (kip-ft)	Axial (kip)	Shear (kip)	Moment Design %
1,197.00	14.90	13.10	2,891.65	110.11	29.41	241.57

Base Plate

Yield (ksi)	Thick (in)	Width (in)	Style	Poly Sides	Clip Len (in)	Effective Len (in)	Mu (kip-in)	Phi Mn (kip-in)	Ratio
60.0	2.500	44.000	Square	0	0.00	15.024	1080.60	1267.64	0.85

Anchor Bolts

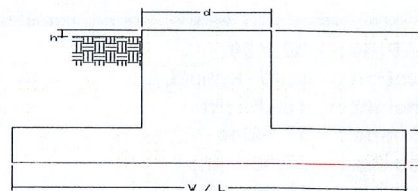
Bolt Circle	Num Bolts	Bolt Type	Bolt Dia (in)	Yield (ksi)	Ultimate (ksi)	Arrange	Cluster Dist (in)	Start Angle (deg)	Compression			Tension		
									Force (kip)	Allow (kip)	Ratio	Force (kip)	Allow (kip)	Ratio
44.00	08	2.25" 18J	2.25	75.00	100.00	Clustered	6.00	45.0	230.95	260.00	0.89	203.42	260.00	0.78

Additional Bolts

Area (sqin)	Capacity (kip)	Arrange	Cluster Dist (in)	Start Angle (deg)	Compression			Tension				
					Force (kip)	Allow (kip)	Ratio	Force (kip)	Allow (kip)	Ratio		
45.720	4.00	#20	4.91	235.62	Radial	90.00	340.939	392.700	0.868	340.939	392.700	0.868

Site Name: Enfd - Enfield, CT
 Site Number: 302489
 Engineering Number: 48495821
 Engineer: M. Deese
 Date: 12/14/11
 Tower Type: MP

Program Last Updated: 6/1/2010



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

Foundation Mapped:	N		
Compression/Leg:	48.2 k	Concrete Strength (f_c):	3000 psi
Uplift/Leg:	0.0 k	Pad Tension Steel Depth:	32.00 in
Total Shear:	29.4 k	ϕ_{Shear} :	0.75
Moment:	2891.7 k-ft	$\phi_{\text{Flexure / Tension}}$:	0.90
Tower + Appurtenance Weight:	48.2 k	$\phi_{\text{Compression}}$:	0.65
Depth to Base of Foundation (l + t - h):	8.00 ft	β :	0.85
Diameter of Pier (d):	5.64 ft	Bottom Pad Rebar Size #:	10
Height of Pier above Ground (h):	0.50	# of Bottom Pad Rebar:	34
Width of Pad (W):	18.00 ft	Pad Bottom Steel Area:	43.18 in ²
Length of Pad (L):	18.00 ft	Pad Steel F_y :	60000 psi
Thickness of Pad (t):	3.00 ft	Top Pad Rebar Size #:	10
Tower Leg Center to Center:	3.00 ft	# of Top Pad Rebar:	34
Number of Tower Legs:	1.0 (1 if MP or GT)	Pad Top Steel Area:	43.18 in ²
Tower Center from Mat Center:	0.00 ft	Pier Rebar Size #:	10
Depth Below Ground Surface to Water Table:	50.00 ft	Pier Steel Area (Single Bar):	1.27 in ²
Unit Weight of Concrete:	150.0 pcf	# of Pier Rebar:	36
Unit Weight of Soil Above Water Table:	115.0 pcf	Pier Steel F_y :	60000 psi
Unit Weight of Water:	62.4 pcf	Pier Cage Diameter:	59.7 in
Unit Weight of Soil Below Water Table:	50.0 pcf	Rebar Strain Limit:	0.008
Friction Angle of Uplift:	30.0 Degrees	Steel Elastic Modulus:	29000 ksi
Ultimate Coefficient of Shear Friction:	0.30	Tie Rebar Size #:	4
Ultimate Compressive Bearing Pressure:	10000.0 psf	Tie Steel Area (Single Bar):	0.20 in ²
Ultimate Passive Pressure on Pad Face:	750.0 psf	Tie Spacing:	12 in
$\phi_{\text{Soil and Concrete Weight}}$:	0.9	Tie Steel F_y :	60000 psi
ϕ_{Soil} :	0.75		

Overturning Moment Usage

Design OTM:	3141.6 k-ft
OTM Resistance:	3414.1 k-ft
Design OTM / OTM Resistance:	0.92 Result: OK

Soil Bearing Pressure Usage:

Total Weight (Foundation, Soil, Tower):	378.5 k
Net Bearing Pressure:	6266 psf
Nominal Bearing Pressure:	7500 psf
Net Bearing Pressure/Nominal Bearing Pressure:	0.84 Result: OK
Load Direction Controlling Design Bearing Pressure:	Diagonal to Pad Edge

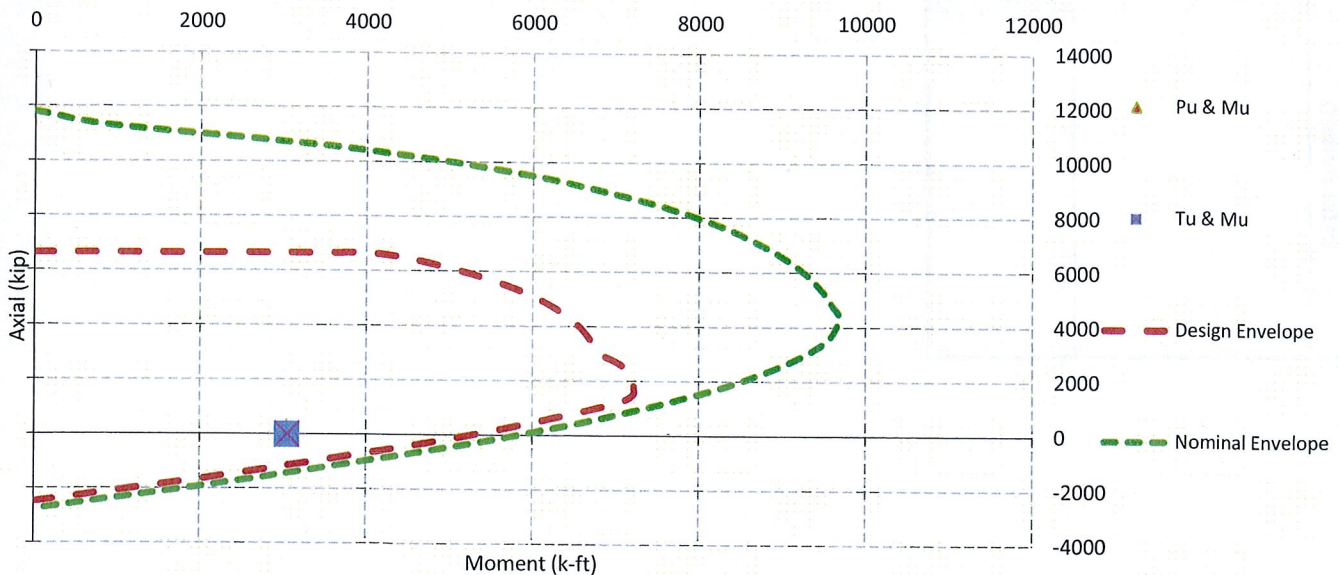
Sliding Factor of Safety

Total Factored Sliding Resistance:	112.5 k
Sliding Design / Sliding Resistance:	0.26 Result: OK

One Way Shear, Flexural Capacity, and Punching Shear

Factored One Way Shear (V_u):	201.2 k
One Way Shear Capacity (ϕV_c):	456.9 k - ACI11.3.1.1
$V_u / \phi V_c$:	0.44 Result: OK
Load Direction Controlling Shear Capacity:	Diagonal to Pad Edge
Lower Steel Pad Factored Moment (M_u):	1223.3 k-ft
Lower Steel Pad Moment Capacity (ϕM_n):	6238.9 k-ft - ACI10.3
$M_u / \phi M_n$:	0.20 Result: OK
Load Direction Controlling Flexural Capacity:	Diagonal to Pad Edge
Upper Steel Pad Factored Moment (M_u):	563.7 k-ft
Upper Steel Pad Moment Capacity (ϕM_n):	5829.5 k-ft
$M_u / \phi M_n$:	0.10 Result: OK
Lower Pad Flexural Reinforcement Ratio:	0.0062 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Upper Pad Flexural Reinforcement Ratio:	0.0062 OK - Minimum Reinforcement Ratio Met - ACI10.5.1
Lower Pad Reinforcement Spacing:	6 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Upper Pad Reinforcement Spacing:	6 in - Pad Reinforcing Spacing OK - ACI7.12.2.2 & 10.5.4
Factored Punching Shear (V_u):	0.0 k
Nominal Punching Shear Capacity ($\phi_c V_n$):	1646.6 k - ACI11.12.2.1
$V_u / \phi V_c$:	0.00 Result: OK
Factored Moment in Pier (M_u):	3053.4 k-ft
Pier Moment Capacity (ϕM_n):	6004.5 k-ft
$M_u / \phi M_n$:	0.51 Result: OK
Factored Shear in Pier (V_u):	29.4 k
Pier Shear Capacity (ϕV_n):	297.6 k
$V_u / \phi V_c$:	0.10 Result: OK
Pier Shear Reinforcement Ratio:	0.0006 No Ties Necessary for Shear - ACI11.5.6.1
Factored Tension in Pier (T_u):	0.0 k
Pier Tension Capacity (ϕT_n):	2468.9 k
$T_u / \phi T_n$:	0.00 Result: OK
Factored Compression in Pier (P_u):	48.2 k
Pier Compression Capacity (ϕP_n):	6136.2 k - ACI10.3.6.2
$P_u / \phi P_n$:	0.01 Result: OK
Pier Compression Reinforcement Ratio:	0.013 OK - Reinforcement Ratio Met - ACI10.9.1 & 10.8.4
$M_u / \phi_B M_n + T_u / \phi_T T_n$:	0.51 Result: OK

Nominal and Design Moment Capacity and Factored Design Loads



Base/Flange Plate	Plate Type	Flange @ 110.0 ft
	Pole Diameter	21.268 in
	Pole Thickness	0.1875 in
	Plate Diameter	28.5 in
	Plate Thickness	2 in
	Plate Fy	60 ksi
	Weld Length	0.25 in
	ϕ_s Resistance	300.67 k-in
	Applied	21.09 k-in
	Stiffeners	#

Code Rev. **G**

Date **12/14/2011**
 Engineer **MED**
 Site # **302489**
 Carrier **Verizon**

Moment **352.0 k-ft**
 Axial **10.9 k**

Required Flange Thickness:
0.53 in OK

Bolts	#	12
	Bolt Circle (R)adial / (S)quare	25.75 in R
	Diameter	1 in
	Hole Diameter	1.0625 in
	Type	A325
	Fy	92 ksi
	Fu	120 ksi
ϕ_s Resistance	54.52 k	
Applied	14.45 k	
Reinforcement	#	4
	DYW. Circle	25 in
	Offset Angle	15°
	Type	#20
	Diameter	2.5 in
Fu	100 ksi	
Extra Bolts	#	0

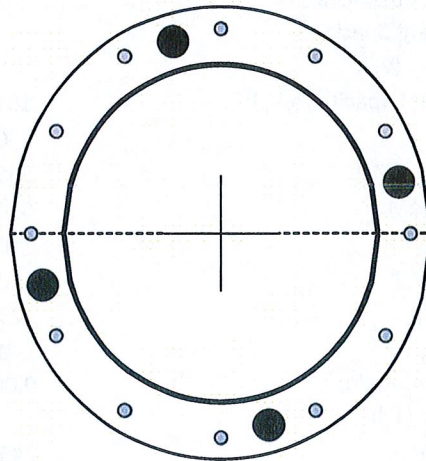


Plate Stress Ratio:
0.07 (Pass)

Bolt Stress Ratio:
0.27 (Pass)