Robinson+Cole

KENNETH C. BALDWIN

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Also admitted in Massachusetts and New York

July 27, 2023

Melanie A. Bachman, Esq.
Executive Director/Staff Attorney
Connecticut Siting Council
10 Franklin Square
New Britain, CT 06051

Re: **Notice of Exempt Modification – Facility Modification**
52 Stadley Rough Road, Danbury, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains an existing wireless telecommunications facility at the above-referenced property address (the "Property"). Cellco's facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The existing Cellco facility was approved by the Siting Council ("Council") in January of 2012 (TS-VER-034-111214). A copy of the Council's tower share approval is included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) interference mitigation filters ("filters") below the beta sector remote radio heads on the tower. The filter specification sheet is included in Attachment 2.

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 Danbury's Chief Elected Official and Land Use Officer.

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 height of the existing tower.

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

3. The proposed modifications will not increase noise levels at the facility by six decibels or more, or to levels that exceed state and local criteria.

4. The installation of Cellco's new filters will not result in a change to radio frequency (RF) emissions from the facility. Therefore, no new RF emissions information is included in this filing.

5. The proposed modifications will not cause a change or alteration in the physical or environmental characteristics of the site.

6. According to the attached Structural Analysis Report ("SA") and Antenna Mount Analysis Report ("MA"), the existing tower, foundation and mounting assembly can support Cellco's proposed modifications. Copies of the SA and MA are included in Attachment 3.

A copy of the parcel map and Property owner information is included in Attachment 4. A Certificate of Mailing verifying that this filing was sent to municipal officials and the property owner is included in Attachment 5.

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:
Dean Esposito, Danbury Mayor
Sharon Calitro, AICP, Director of Planning and Zoning
Christ the Shepard Church PCA, Property Owner
Kamoya Bautista, Verizon Wireless

ATTACHMENT 1

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

January 6, 2012

Kenneth C. Baldwin, Esq.
Robinson & Cole LLP
280 Trumbull Street
Hartford, CT 06103-3597

RE: **TS-VER-034-111214** - Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located 52 Stadley Rough Road, Danbury, Connecticut.

Dear Attorney Baldwin:

At a public meeting held January 5, 2012, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the following conditions:

- Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
- Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including 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;
- Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation 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.

This decision is under the exclusive jurisdiction of the Council. This facility has 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. Any deviation from this format may result in the Council implementing enforcement proceedings pursuant to General Statutes § 16-50u including, without limitation, imposition of expenses resulting from such failure and of civil penalties in an amount not less than one thousand dollars per day for each day of construction or operation in material violation.

This decision applies only to this request for tower sharing and is not applicable to any other request or construction. Please be advised that the validity of this action shall expire one year from the date of this letter.

The proposed shared use is to be implemented as specified in your letter dated December 14, 2011, including the placement of all necessary equipment and shelters within the tower compound.

Thank you for your attention and cooperation.

Very truly yours,

Robert Stein

Robert Stein
Chairman

RS/CDM/laf

c: The Honorable Mark D. Boughton, Mayor, City of Danbury
Dennis Elpern, City Planner, City of Danbury
SBA Towers II, LLC

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CSC
CONNECTICUT SITING COUNCIL

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The BSF0020 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the BSF0020 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the BSF0020 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.

FEATURES

- Passes full 700 and 850 bands
- Low insertion loss
- Rejection of 900MHz uplink
- DC/AISG pass
- Twin unit
- Dual twin mounting available

TECHNICAL SPECIFICATIONS

BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891.5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894.1 - 896.5MHz	

ELECTRICAL	
Impedance	50Ohms
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm

DC / AISG	
Passband	0 - 13MHz
Insertion loss	0.3dB maximum
Return loss	15dB minimum
Input voltage range	± 33V
DC current rating	2A continuous, 4A peak
Compliance	3GPP TS 25.461

ENVIRONMENTAL	
For further details of environmental compliance, please contact Kaelus.	
Temperature range	-20°C to +60°C | -4°F to +140°F
Ingress protection	IP67
Altitude	2600m | 8530ft
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.
MTBF	>1,000,000 hours
Compliance	ETSI EN 300 019 class 4.1H, RoHS, NEBS GR-487-CORE

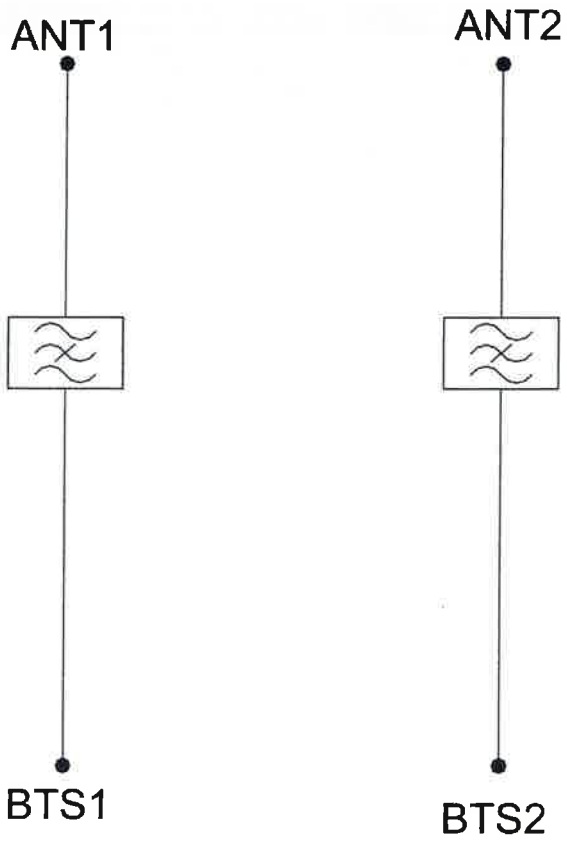
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter poles or custom bracket. See ordering information.

Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ORDERING INFORMATION

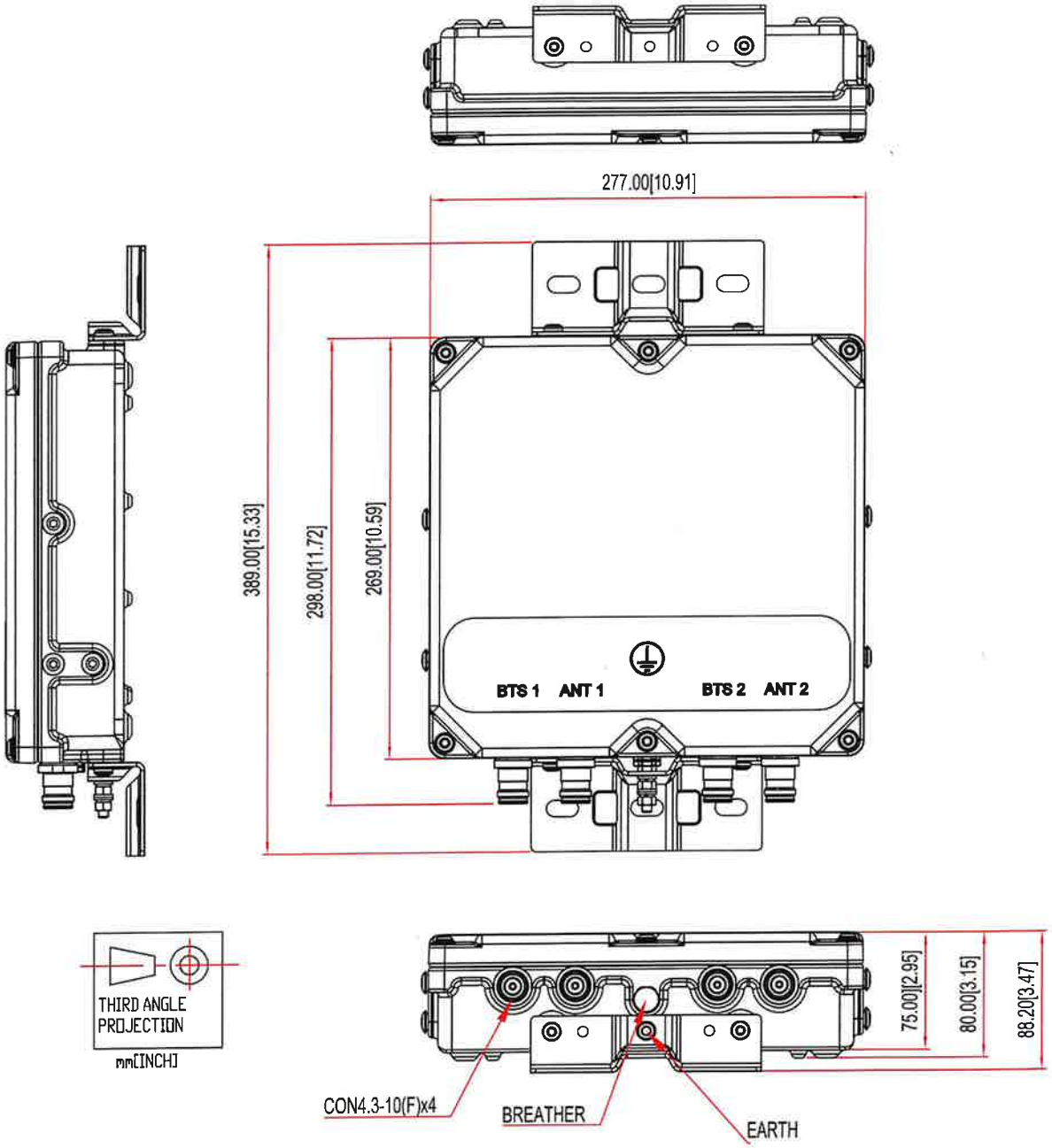
PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
BSF0020F3V1	TWIN, 2 in / 2 out	DC/AISG PASS NO BRACKET	4.3-10 (F)
BSF0020F3V1-1	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)
BSF0020F3V1-2	QUAD, 4 in / 4 out	DC/AISG PASS	4.3-10 (F)

ELECTRICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

MECHANICAL BLOCK DIAGRAM



Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

ATTACHMENT 3

SBA Communications Corporation
8051 Congress Avenue
Boca Raton, FL 33487-1307

T + 561 995 7670
F + 561 995 7626

sbasite.com

Structural Analysis Report

Client: Verizon

Client Site ID / Name: 5000386253 / BROOKFIELD WEST CT
Application #: 232198, v2

SBA Site ID / Name: CT13549-S / Danbury 1

140 ft Monopole

52 Stadley Rough Road
Danbury, Connecticut 06811
Lat: 41.433103, Long: -73.431917

Project number: CT13549-VZW-070723

Analysis Results

Tower	96.1%	Pass
Foundation	85.0%	Pass

Change in tower stress due to mount modification / replacement	N/A

Prepared by:

Kenneth Williams
Structural Engineer I
561-226-9512
kwilliams@sbasite.com

Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
561-981-7390
sshanubhogue@sbasite.com

July 7, 2023

STATE OF CONNECTICUT
ANANTHA B SHANUBHOGUE
33123
LICENSED
PROFESSIONAL ENGINEER

07/07/23

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 140 ft Monopole to support the proposed antennas and transmissions lines in addition to those currently installed.

Table 1 List of Documents Used

Item	Document
Tower design/drawings	Sabre, Job # 10-01206, dated 01/28/2010
Foundation drawings	Sabre, Job # 10-01206, dated 01/28/2010
Geotechnical report	TEP, Project # 091184.01, dated 05/13/2009
Modification drawings	N/A
Mount analysis	PJF, Project # A22721-000.5002.7191, dated 02/28/2021
Latest SA	SBAE, Project # CT13549-ATT-050223, dated 05/05/2023

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/Fairfield/Danbury
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	120.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00"
Risk Category	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	546.93 ft.
Seismic Parameter S_s	0.218
Seismic Parameter S_1	0.056

This structural analysis is based upon the tower being classified as a risk category **II**; however, if a different classification is required subsequent to the date hereof, the tower classification will be changed to meet such requirement and a new structural analysis will be run.

Appurtenance Loading

Existing Loading:

Table 3 Existing Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	137.0	3	RFS APXVAARR18_43-U-NA20 – Panel	(3) T-Arms with extended horizontal support Sitepro RDS-272	(9) 1 5/8" (4) 1 5/8" Fiber	T-Mobile
2		3	Air 32 KRD901146_1_B66A_B2A – Panel			
3		3	AIR6449 B41 – Panel			
4		3	Ericsson KRY 112 144/1 – TMA			
5		3	Commscope SDX1926Q-43 – Diplexer			
6		3	Ericsson 4449 B71+B85 – RRU			
7		3	Ericsson 4415 B25 – RRU			
8	127.0	3	Commscope FFVV-65B-R2 – Panel	(3) T-Arms (Commscope MC-FM324-278)	(1) 1.75" Hybrid	Dish Wireless
9		3	Fujitsu TA08025-B604 – RRU			
10		3	Fujitsu TA08025-B605 – RRU			
11		1	Raycap RDIDC-9181-PF-48 – OVP			
12	107.0	3	KMW EPBQ-652L8H6-L2 – Panel	(6) T-Arm Mounts	(1) 0.92" DC (1) 1/2" Fiber (6) 3/4" DC (2) 3/8" Fiber (6) 7/8"	AT&T
13		3	Ericsson AIR6449 B77D – Panel			
14		3	CCI OPA65R-BU6DA – Panel			
15		3	CCI DTMABP7819VG12A – TMA			
16		3	Ericsson RRUS-32 – RRU			
17		3	Ericsson 4426 B66 – RRU			
18		3	Ericsson RRUS 4449 B5/B12 – RRU			
19		3	Ericsson RRUS 4415 B25 – RRU			
20		3	Ericsson RRUS 4478 B14 – RRU			
21		3	Ericsson RRUS A2 – RRU			
22		3	Kaelus DBC20056F1V1 – Combiners			
23		2	Raycap DC6-48-60-18-8F – OVP			
24		1	Raycap DC9-48-60-24-8C-EV – OVP			
25	97.0	6	JMA MX06FRO660-03 – Panel	(3) Standoff	(12) 1 5/8" (1) 1 5/8" Hybrid	Verizon
26		3	Samsung 64T64R – Panel			
27		3	Samsung B5/B13 RRH-BR04C – RRU			
28		3	Samsung B2/B66A RRH-BR049 – RRU			
29		1	Commscope RCMDC-6627-PF-48 – OVP			

Note: AT&T loading includes FirstNET equipment

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 232198, v2 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
25	97.0	6	JMA MX06FRO660-03 – Panel	(3) Standoff	(12) 1 5/8" (1) 1 5/8" Hybrid	Verizon
26		3	Samsung 64T64R – Panel			
27		3	Samsung B5/B13 RRH-BR04C – RRU			
28		3	Samsung B2/B66A RRH-BR049 – RRU			
29		1	Commscope RCMDC-6627-PF-48 – OVP			
30		2	Kaelus BSF0020F3V1-1 – Filter			

Analysis Results

Tower

The results of the structural analysis are shown below in table 5. Additional information for the tower analysis is provided within the Appendix.

Table 5 Tower Analysis Summary

	Pole shafts	Anchor Bolts	Base Plate
Max. Usage:	96.1%	77.2%	72.3%
Pass/Fail	Pass	Pass	Pass

Foundation

The results of the foundation analysis are shown below in table 6. Additional information for the foundation analysis is provided within the Appendix.

Table 6 Foundation Analysis Summary

Structural Component	Max Usage (%)	Analysis Result
Foundation	85.0%	Pass

Conclusions

Based on the analysis results, the existing tower and foundation were found to be ***sufficient*** to safely support the equipment listed in this analysis. No modification to the tower and foundation is needed at this time.

Installation Requirements

This analysis was performed under the assumption that the carrier will place the proposed equipment and feed lines at the installation height listed in Table 4 and in accordance with the coax layout shown. TMAs and RRUs are to be installed on existing mounts behind tenant's antennas unless otherwise noted. No equipment is to be installed directly in the climbing path. All equipment is to be installed per mount manufacturer specifications. In case site conditions do not allow for the required installation parameters to be met the carrier must notify SBA Communications Corporation engineers for approval of an alternative placement.

Assumptions and Limitations

Assumptions

This analysis was completed based on the following assumptions:

- Tower and foundation were built in accordance to manufacturer specifications.
- Tower and foundation has been properly maintained in accordance with the manufacturer's specifications
- All existing structural members were assumed to be in good condition with no physical damage or deterioration associated with corrosion
- Welds and bolts are assumed able to carry their intended original design loads.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in Table 3 and 4.
- This analysis may be affected if any assumptions are not valid or have been made in error. SBA should be notified to determine the effect on the structural integrity of the tower.

Limitations

The computer generated analysis performed by the tower software is limited to theoretical capacities of the towers structural members and does not account for any missing or damaged members or connections. The tower and foundation are assumed to have been properly designed, fabricated, installed and maintained, barring any conflicting findings from the most recent inspection.

SBA Communications Corporation has used its due diligence to verify the information provided to perform this analysis. It is unreasonable to perform a more detailed inspection of a tower and its components. This report is not a condition assessment of the tower or foundation.

Appendix

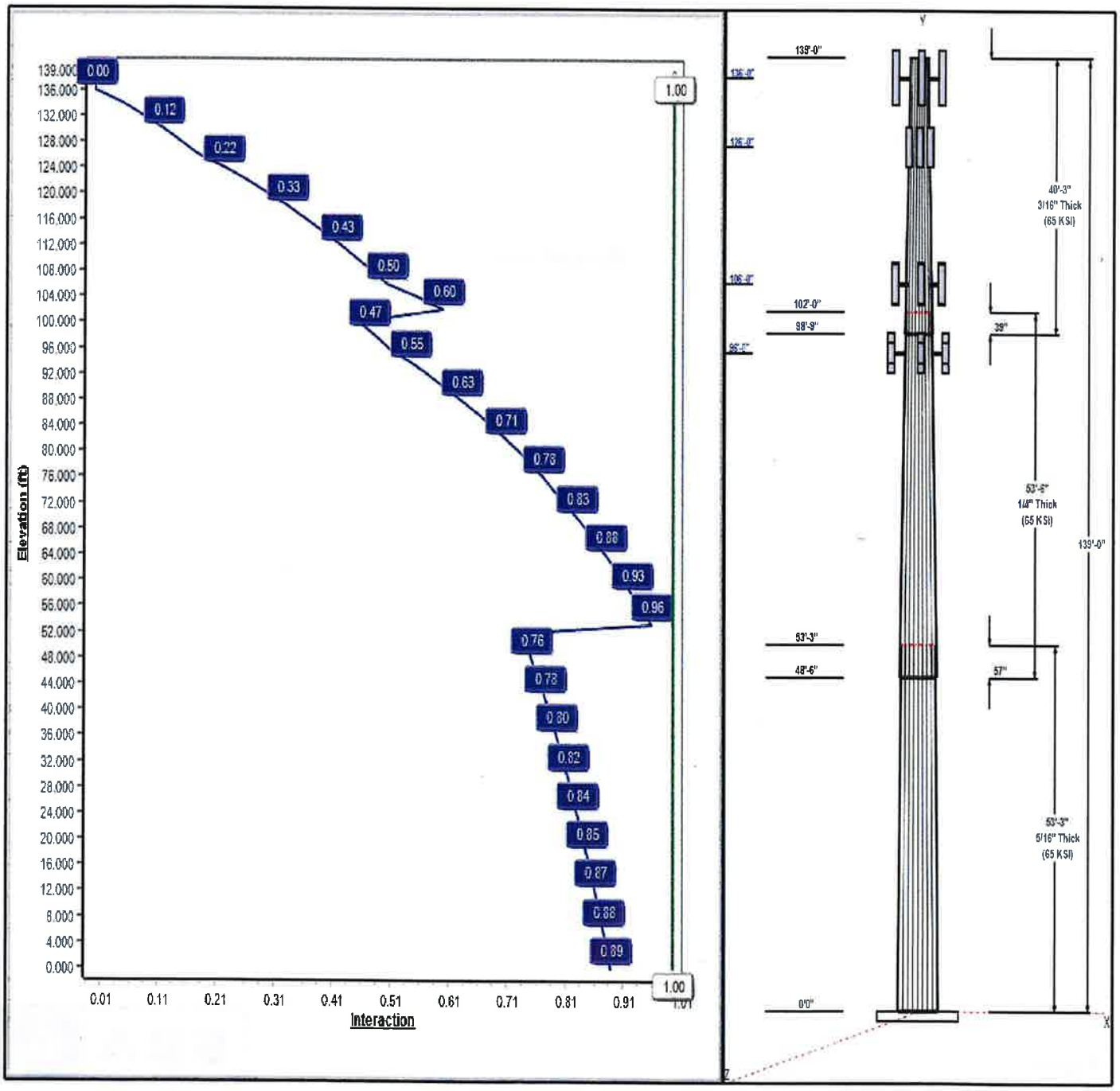
Usage Diagram - Max Ratio 96.15% at 53.3ft

Structure:	CT13549-S	**Code:**	EIA/TIA-222-H	7/7/2023
Site Name:	Danbury 1	**Exposure:**	C	
Height:	139.00 (ft)	**Gh:**	1.1	
Base Elev:	1.000 (ft)			Page: 1

SBA

Dead Load Factor:	1.20	**Iterations:**	30
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 120 mph Wind



Structure: CT13549-S

Type: Tapered
Site Name: Danbury 1
Height: 139.00 (ft)
Base Elev: 1.00 (ft)

Base Shape: 18 Sided
Taper: 0.23097

7/7/2023

Shaft Properties

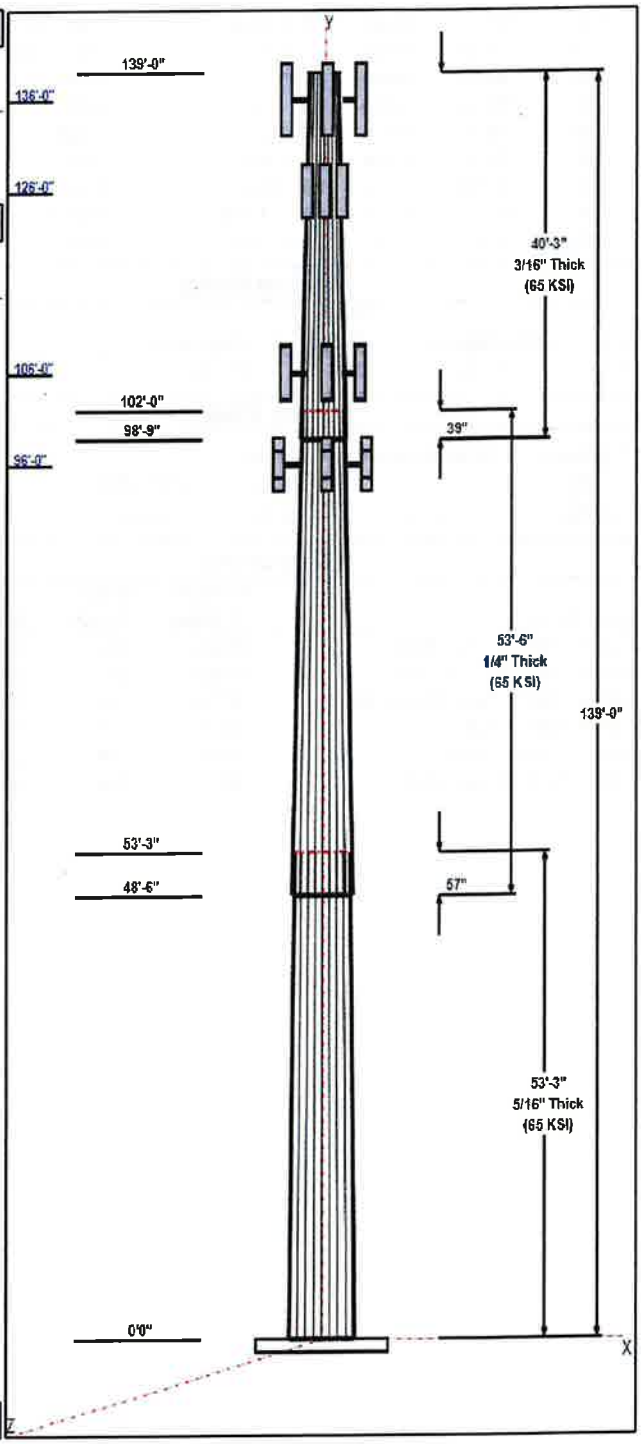
Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	53.25	34.93	47.23	0.313		0.23097	65
2	53.50	24.17	36.53	0.250	Slip	0.23097	65
3	40.25	16.00	25.30	0.188	Slip	0.23097	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
139.00	142.00	1	6' Lightning rod	
136.00	136.00	3	AIR6449 B41	T-Mobile
136.00	136.00	3	KRY 112 144/1	T-Mobile
136.00	136.00	3	RFS	T-Mobile
136.00	136.00	3	Air 32	T-Mobile
136.00	136.00	3	4449 B71+B85	T-Mobile
136.00	136.00	3	SDX1926Q-43	T-Mobile
136.00	136.00	3	4415 B25	T-Mobile
136.00	136.00	3	RDS-272	T-Mobile
136.00	136.00	9	Mount Pipes	T-Mobile
126.00	126.00	3	(1) 8'x2.875" mount pipe	Dish Wireless
126.00	126.00	1	Collar Mount (3-Sided)	Dish Wireless
126.00	126.00	3	Commscope	Dish Wireless
126.00	126.00	3	Fujitsu TA08025-B604 -	Dish Wireless
126.00	126.00	3	Fujitsu TA08025-B605 -	Dish Wireless
126.00	126.00	1	Raycap	Dish Wireless
126.00	126.00	3	side arm	Dish Wireless
106.00	106.00	3	OPA65R-BU6DA	AT&T
106.00	106.00	3	Double T-Arm	AT&T
106.00	106.00	12	Mount Pipes	AT&T
106.00	106.00	3	AIR 6449 B77D	AT&T
106.00	106.00	3	RRUS 4449 B5/B12	AT&T
106.00	106.00	3	DBC20056F1V1	AT&T
106.00	106.00	3	DTMABP7819VG12A	AT&T
106.00	106.00	3	4426 B66	AT&T
106.00	106.00	3	RRUS 4415 B25	AT&T
106.00	106.00	3	RRUS 4478 B14	AT&T
106.00	106.00	1	DC9-48-60-24-8C-EV	AT&T
106.00	106.00	3	RRUS A2	AT&T
106.00	106.00	3	RRUS-32	AT&T
106.00	106.00	2	DC6-48-60-18-8F	AT&T
106.00	106.00	3	EPBQ-652L8H6-L2	AT&T
96.00	96.00	6	JMA MX06FRO660-03	Verizon
96.00	96.00	3	Samsung 64T64R	Verizon
96.00	96.00	3	Samsung B5/B13	Verizon
96.00	96.00	3	Samsung B2/B66A	Verizon
96.00	96.00	1	Commscope	Verizon
96.00	96.00	9	Mount Pipes	Verizon
96.00	96.00	3	T-Arms	Verizon
96.00	96.00	2	Kaelus BSF0020F3V1-1	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	139.00	Outside	Safety Cable	
0.00	139.00	Outside	Step bolts (ladder)	
0.00	136.00	Inside	1 5/8" Coax	T-Mobile



0.00	136.00	Inside	1 5/8" Fiber	T-Mobile
0.00	126.00	Inside	1.75" Hybrid	Dish Wireless
0.00	106.00	Inside	0.92" DC	AT&T
0.00	106.00	Inside	1/2" Fiber	AT&T
0.00	106.00	Inside	3/4" DC	AT&T
0.00	106.00	Inside	3/8" Fiber	AT&T
0.00	106.00	Inside	7/8" Coax	AT&T
0.00	96.00	Inside	1 5/8" Coax	Verizon
0.00	96.00	Inside	1 5/8" Hybrid	Verizon

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
12	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	51.5	50.0	Clipped

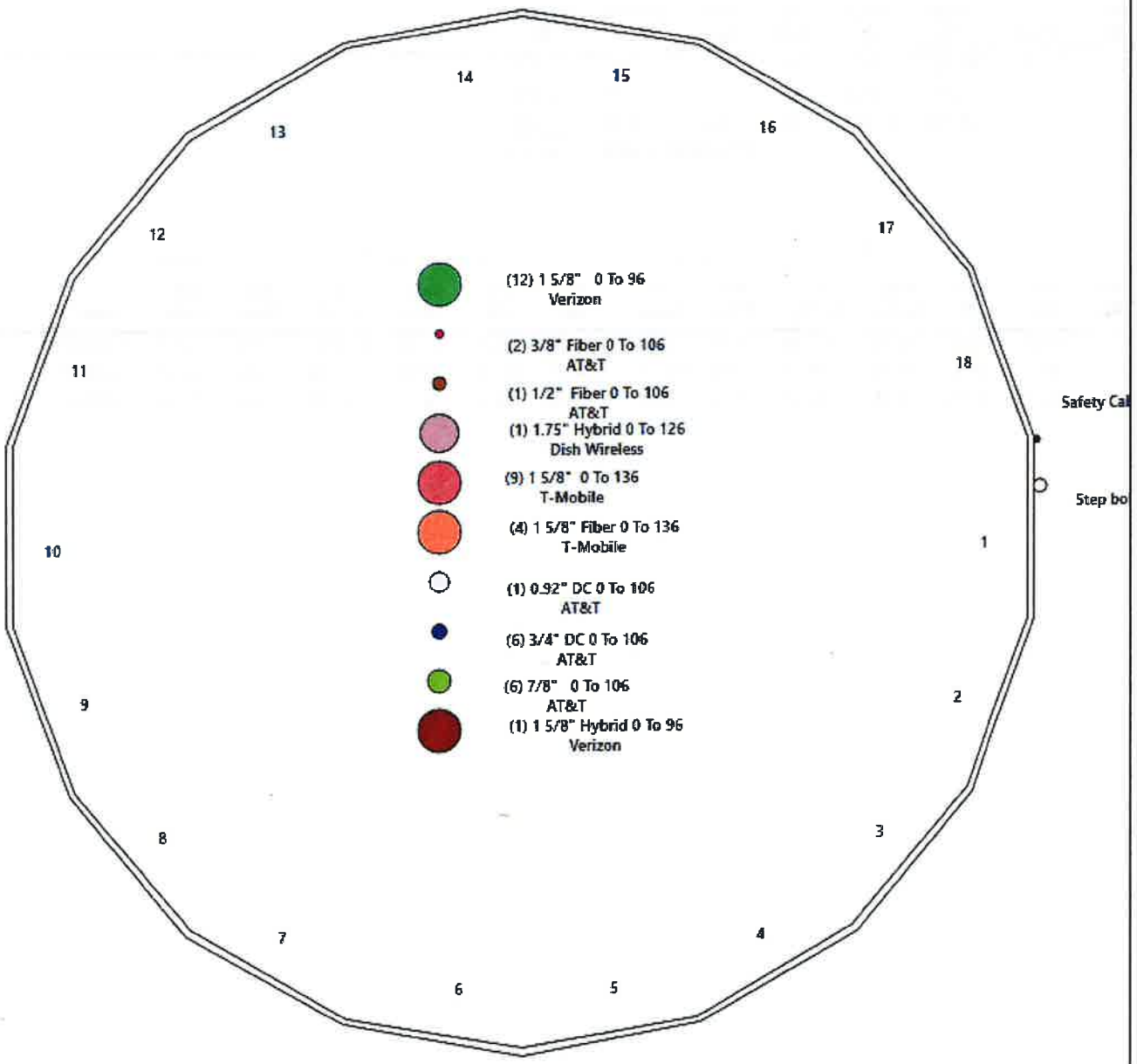
Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 120 mph Wind	2554.3	25.7	35.5
0.9D + 1.0W 120 mph Wind	2510.5	25.7	26.6
1.2D + 1.0Di + 1.0Wi 50 mph Wind	617.4	6.6	34.2
1.2D + 1.0Ev + 1.0Eh	55.4	0.4	36.9
0.9D + 1.0Ev + 1.0Eh	54.5	0.4	28.0
1.0D + 1.0W 60 mph Wind	566.2	5.8	29.6

Structure: CT13549-S - Coax Line Placement

Type: Monopole
Site Name: Danbury 1
Height: 139.00 (ft)

7/7/2023



Shaft Properties

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 5

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	53.250	0.3125	65		0.00	7,327
2	18	53.500	0.2500	65	Slip	57.00	4,348
3	18	40.250	0.1875	65	Slip	39.00	1,668
					Total Shaft Weight:		**13,342**

	Bottom						Top						
Sec. No.	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Dia (in)**	**Elev (ft)**	**Area (sqin)**	**Ix (in^4)**	**W/t Ratio**	**D/t Ratio**	**Taper**
1	47.23	0.00	46.53	12941.93	25.24	151.14	34.93	53.25	34.34	5198.89	18.30	111.7	0.230971
2	36.53	48.50	28.79	4786.42	24.35	146.11	24.17	102.00	18.98	1372.20	15.64	96.68	0.230971
3	25.30	98.75	14.94	1190.25	22.38	134.92	16.00	139.00	9.41	297.27	13.64	85.33	0.230971

Load Summary

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 6	

Discrete Appurtenances

				No Ice			Ice				
No.	Elev (ft)	Description	Qty	Weight (lb)	CaAa (sf)	CaAa Factor	Weight (lb)	CaAa (sf)	CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
1	139.00	6' Lightning rod	1	6.50	0.38	1.00	30.53	1.100	1.00	0.00	3.00
2	136.00	AIR6449 B41	3	103.00	5.65	0.71	193.59	6.278	0.71	0.00	0.00
3	136.00	KRY 112 144/1	3	11.00	0.41	0.50	18.12	0.724	0.50	0.00	0.00
4	136.00	RFS APXVAARR18_43-U-NA20	3	128.00	20.24	0.70	392.29	21.480	0.70	0.00	0.00
5	136.00	Air 32 KRD901146_1_B66A_B2A	3	132.20	6.51	0.87	246.54	7.291	0.87	0.00	0.00
6	136.00	4449 B71+B85	3	70.00	1.65	0.67	111.25	1.992	0.67	0.00	0.00
7	136.00	SDX1926Q-43	3	7.00	0.38	0.50	13.40	0.681	0.50	0.00	0.00
8	136.00	4415 B25	3	46.30	1.86	0.50	82.76	2.218	0.50	0.00	0.00
9	136.00	RDS-272	3	676.32	4.03	1.00	988.23	6.353	1.00	0.00	0.00
10	136.00	Mount Pipes	9	47.45	1.51	1.00	69.33	2.381	1.00	0.00	0.00
11	126.00	(1) 8'x2.875" mount pipe	3	46.40	2.30	1.00	109.90	4.258	1.00	0.00	0.00
12	126.00	Collar Mount (3-Sided)	1	367.00	3.50	1.00	702.96	5.903	1.00	0.00	0.00
13	126.00	Commscope FFVV-65B-R2	3	70.80	12.24	0.74	218.57	13.192	0.74	0.00	0.00
14	126.00	Fujitsu TA08025-B604 - RRU	3	63.90	1.96	0.67	97.10	2.328	0.67	0.00	0.00
15	126.00	Fujitsu TA08025-B605 - RRU	3	75.00	1.96	0.67	109.29	2.328	0.67	0.00	0.00
16	126.00	Raycap RDIDC-9181-PF-48 - OVP	1	21.90	2.01	1.00	56.81	2.383	1.00	0.00	0.00
17	126.00	side arm	3	105.33	0.47	1.00	201.75	0.793	1.00	0.00	0.00
18	106.00	OPA65R-BU6DA	3	64.00	9.66	0.85	239.75	13.653	0.85	0.00	0.00
19	106.00	Double T-Arm	3	598.59	3.45	1.00	1002.58	5.002	1.00	0.00	0.00
20	106.00	Mount Pipes	12	38.32	1.44	1.00	64.18	2.088	1.00	0.00	0.00
21	106.00	AIR 6449 B77D	3	81.60	4.03	0.77	147.21	4.558	0.78	0.00	0.00
22	106.00	RRUS 4449 B5/B12	3	85.00	3.50	0.50	146.00	3.993	0.50	0.00	0.00
23	106.00	DBC20056F1V1	3	7.00	0.33	0.50	13.05	0.490	0.50	0.00	0.00
24	106.00	DTMABP7819VG12A	3	19.20	0.98	0.50	34.60	1.240	0.50	0.00	0.00
25	106.00	4426 B66	3	53.00	2.74	0.67	99.67	3.191	0.67	0.00	0.00
26	106.00	RRUS 4415 B25	3	46.00	1.84	0.67	75.56	2.188	0.67	0.00	0.00
27	106.00	RRUS 4478 B14	3	59.40	2.02	0.67	94.14	2.386	0.67	0.00	0.00
28	106.00	DC9-48-60-24-8C-EV	1	26.20	4.79	0.50	105.13	5.355	0.50	0.00	0.00
29	106.00	RRUS A2	3	22.00	2.08	0.67	53.13	2.448	0.67	0.00	0.00
30	106.00	RRUS-32	3	77.00	3.31	0.67	136.38	3.804	0.67	0.00	0.00
31	106.00	DC6-48-60-18-8F	2	32.80	4.82	0.50	113.41	5.386	0.50	0.00	0.00
32	106.00	EPBQ-652L8H6-L2	3	72.80	13.24	0.69	264.45	14.199	0.70	0.00	0.00
33	96.00	JMA MX06FRO660-03	6	51.00	8.15	0.95	190.29	8.949	0.95	0.00	0.00
34	96.00	Samsung 64T64R	3	87.10	4.70	0.70	158.70	5.276	0.71	0.00	0.00
35	96.00	Samsung B5/B13 RRH-BR04C	3	84.40	1.88	0.67	116.78	2.228	0.67	0.00	0.00
36	96.00	Samsung B2/B66A RRH-BR049	3	70.30	1.88	0.67	101.00	2.228	0.67	0.00	0.00
37	96.00	Commscope RCMDC-6627-PF-48	1	45.00	4.80	0.50	118.48	5.341	0.50	0.00	0.00
38	96.00	Mount Pipes	9	28.74	0.83	1.00	41.54	1.292	1.00	0.00	0.00
39	96.00	T-Arms	3	350.00	3.10	1.00	505.94	4.827	1.00	0.00	0.00
40	96.00	Kaelus BSF0020F3V1-1	2	17.60	0.96	0.67	32.51	1.214	0.67	0.00	0.00
		Totals:	**132**	**11,956.87**			**22,130.73**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	139.00	(1) Safety Cable	0.00	Outside

Discrete Appurtenances

No.	Elev (ft)	Description	Qty	No Ice Weight (lb)	No Ice CaAa (sf)	No Ice CaAa Factor	Ice Weight (lb)	Ice CaAa (sf)	Ice CaAa Factor	Hor. Ecc. (ft)	Vert Ecc (ft)
0.00	139.00	(1) Step bolts (ladder)			0.00	Outside					
0.00	136.00	(9) 1 5/8" Coax			0.00	Inside					
0.00	136.00	(4) 1 5/8" Fiber			0.00	Inside					
0.00	126.00	(1) 1.75" Hybrid			0.00	Inside					
0.00	106.00	(1) 0.92" DC			0.00	Inside					
0.00	106.00	(1) 1/2" Fiber			0.00	Inside					
0.00	106.00	(6) 3/4" DC			0.00	Inside					
0.00	106.00	(2) 3/8" Fiber			0.00	Inside					
0.00	106.00	(6) 7/8" Coax			0.00	Inside					
0.00	96.00	(12) 1 5/8" Coax			0.00	Inside					
0.00	96.00	(1) 1 5/8" Hybrid			0.00	Inside					

Shaft Section Properties

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
0.00		0.3125	47.230	46.535	12941.9	25.24	151.14	71.7	539.7	0.0
2.00		0.3125	46.768	46.076	12563.4	24.98	149.66	72.0	529.1	315.1
4.00		0.3125	46.306	45.618	12192.3	24.72	148.18	72.3	518.6	312.0
6.00		0.3125	45.844	45.160	11828.7	24.46	146.70	72.6	508.2	308.9
8.00		0.3125	45.382	44.702	11472.3	24.20	145.22	72.9	497.9	305.8
10.00		0.3125	44.920	44.244	11123.1	23.94	143.74	73.2	487.7	302.7
12.00		0.3125	44.458	43.786	10781.1	23.67	142.27	73.6	477.6	299.5
14.00		0.3125	43.996	43.327	10446.2	23.41	140.79	73.9	467.7	296.4
16.00		0.3125	43.534	42.869	10118.3	23.15	139.31	74.2	457.8	293.3
18.00		0.3125	43.073	42.411	9797.3	22.89	137.83	74.5	448.0	290.2
20.00		0.3125	42.611	41.953	9483.2	22.63	136.35	74.8	438.3	287.1
22.00		0.3125	42.149	41.495	9175.9	22.37	134.88	75.1	428.8	284.0
24.00		0.3125	41.687	41.037	8875.3	22.11	133.40	75.4	419.3	280.8
26.00		0.3125	41.225	40.578	8581.3	21.85	131.92	75.7	410.0	277.7
28.00		0.3125	40.763	40.120	8293.9	21.59	130.44	76.0	400.8	274.6
30.00		0.3125	40.301	39.662	8013.0	21.33	128.96	76.3	391.6	271.5
32.00		0.3125	39.839	39.204	7738.5	21.07	127.48	76.6	382.6	268.4
34.00		0.3125	39.377	38.746	7470.3	20.81	126.01	76.9	373.7	265.2
36.00		0.3125	38.915	38.288	7208.5	20.55	124.53	77.2	364.8	262.1
38.00		0.3125	38.453	37.829	6952.8	20.29	123.05	77.5	356.1	259.0
40.00		0.3125	37.991	37.371	6703.2	20.03	121.57	77.8	347.5	255.9
42.00		0.3125	37.529	36.913	6459.6	19.77	120.09	78.2	339.0	252.8
44.00		0.3125	37.067	36.455	6222.1	19.50	118.62	78.5	330.6	249.7
46.00		0.3125	36.605	35.997	5990.4	19.24	117.14	78.8	322.3	246.5
48.00		0.3125	36.143	35.538	5764.6	18.98	115.66	79.1	314.1	243.4
48.50	Bot - Section 2	0.3125	36.028	35.424	5709.0	18.92	115.29	79.1	312.1	60.4
50.00		0.3125	35.681	35.080	5544.5	18.72	114.18	79.4	306.1	326.2
52.00		0.3125	35.219	34.622	5330.1	18.46	112.70	79.7	298.1	430.0
53.25	Top - Section 1	0.2500	35.431	27.915	4365.2	23.58	141.72	0.0	0.0	265.9
54.00		0.2500	35.258	27.777	4301.0	23.46	141.03	73.8	240.3	71.1
56.00		0.2500	34.796	27.411	4133.0	23.13	139.18	74.2	233.9	187.8
58.00		0.2500	34.334	27.044	3969.4	22.81	137.33	74.6	227.7	185.3
60.00		0.2500	33.872	26.678	3810.2	22.48	135.49	75.0	221.6	182.8
62.00		0.2500	33.410	26.311	3655.3	22.15	133.64	75.3	215.5	180.3
64.00		0.2500	32.948	25.945	3504.6	21.83	131.79	75.7	209.5	177.8
66.00		0.2500	32.486	25.578	3358.2	21.50	129.94	76.1	203.6	175.3
68.00		0.2500	32.024	25.212	3215.9	21.18	128.10	76.5	197.8	172.8
70.00		0.2500	31.562	24.845	3077.6	20.85	126.25	76.9	192.1	170.3
72.00		0.2500	31.100	24.479	2943.4	20.52	124.40	77.3	186.4	167.8
74.00		0.2500	30.638	24.112	2813.2	20.20	122.55	77.6	180.8	165.3
76.00		0.2500	30.176	23.746	2686.8	19.87	120.70	78.0	175.4	162.8
78.00		0.2500	29.714	23.379	2564.3	19.55	118.86	78.4	170.0	160.4
80.00		0.2500	29.252	23.012	2445.6	19.22	117.01	78.8	164.7	157.9
82.00		0.2500	28.790	22.646	2330.6	18.90	115.16	79.2	159.4	155.4
84.00		0.2500	28.328	22.279	2219.2	18.57	113.31	79.6	154.3	152.9
86.00		0.2500	27.866	21.913	2111.5	18.24	111.47	79.9	149.2	150.4
88.00		0.2500	27.405	21.546	2007.3	17.92	109.62	80.3	144.3	147.9
90.00		0.2500	26.943	21.180	1906.6	17.59	107.77	80.7	139.4	145.4
92.00		0.2500	26.481	20.813	1809.3	17.27	105.92	81.1	134.6	142.9
94.00		0.2500	26.019	20.447	1715.4	16.94	104.07	81.5	129.9	140.4

Increment Length: 2 (ft)

Elev (ft)	Description	Thick (in)	Dia (in)	Area (in^2)	Ix (in^4)	W/t Ratio	D/t Ratio	Fpy (ksi)	S (in^3)	Weight (lb)
96.00		0.2500	25.557	20.080	1624.8	16.61	102.23	81.9	125.2	137.9
98.00		0.2500	25.095	19.714	1537.4	16.29	100.38	82.2	120.7	135.4
98.75	Bot - Section 3	0.2500	24.922	19.576	1505.5	16.17	99.69	82.4	119.0	50.1
100.00		0.2500	24.633	19.347	1453.2	15.96	98.53	82.5	116.2	146.0
102.00	Top - Section 2	0.1875	24.546	14.496	1086.7	21.67	130.91	0.0	0.0	230.0
104.00		0.1875	24.084	14.221	1026.0	21.24	128.45	76.4	83.9	97.7
106.00		0.1875	23.622	13.946	967.6	20.80	125.98	76.9	80.7	95.8
108.00		0.1875	23.160	13.671	911.5	20.37	123.52	77.4	77.5	94.0
110.00		0.1875	22.698	13.396	857.7	19.93	121.06	78.0	74.4	92.1
112.00		0.1875	22.236	13.121	805.9	19.50	118.59	78.5	71.4	90.2
114.00		0.1875	21.774	12.846	756.3	19.07	116.13	79.0	68.4	88.4
116.00		0.1875	21.312	12.571	708.8	18.63	113.67	79.5	65.5	86.5
118.00		0.1875	20.850	12.297	663.3	18.20	111.20	80.0	62.7	84.6
120.00		0.1875	20.388	12.022	619.8	17.76	108.74	80.5	59.9	82.7
122.00		0.1875	19.927	11.747	578.3	17.33	106.27	81.0	57.2	80.9
124.00		0.1875	19.465	11.472	538.6	16.89	103.81	81.5	54.5	79.0
126.00		0.1875	19.003	11.197	500.8	16.46	101.35	82.0	51.9	77.1
128.00		0.1875	18.541	10.922	464.8	16.03	98.88	82.5	49.4	75.3
130.00		0.1875	18.079	10.647	430.6	15.59	96.42	82.5	46.9	73.4
132.00		0.1875	17.617	10.372	398.1	15.16	93.96	82.5	44.5	71.5
134.00		0.1875	17.155	10.097	367.3	14.72	91.49	82.5	42.2	69.7
136.00		0.1875	16.693	9.822	338.1	14.29	89.03	82.5	39.9	67.8
138.00		0.1875	16.231	9.548	310.5	13.85	86.57	82.5	37.7	65.9
139.00		0.1875	16.000	9.410	297.3	13.64	85.33	82.5	36.6	32.3
										13342.3

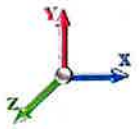
Wind Loading - Shaft

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 30

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	0.85	29.183	32.10	437.79	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	29.183	32.10	433.51	0.730	0.000	2.00	7.954	5.81	186.4	0.0	378.2
4.00		1.00	0.85	29.183	32.10	429.23	0.730	0.000	2.00	7.876	5.75	184.6	0.0	374.4
6.00		1.00	0.85	29.183	32.10	424.95	0.730	0.000	2.00	7.798	5.69	182.7	0.0	370.7
8.00		1.00	0.85	29.183	32.10	420.67	0.730	0.000	2.00	7.719	5.64	180.9	0.0	366.9
10.00		1.00	0.85	29.183	32.10	416.38	0.730	0.000	2.00	7.641	5.58	179.1	0.0	363.2
12.00		1.00	0.85	29.183	32.10	412.10	0.730	0.000	2.00	7.563	5.52	177.2	0.0	359.5
14.00		1.00	0.85	29.183	32.10	407.82	0.730	0.000	2.00	7.485	5.46	175.4	0.0	355.7
16.00		1.00	0.87	29.923	32.92	408.62	0.730	0.000	2.00	7.407	5.41	178.0	0.0	352.0
18.00		1.00	0.89	30.632	33.70	409.05	0.730	0.000	2.00	7.329	5.35	180.3	0.0	348.2
20.00		1.00	0.91	31.284	34.41	408.95	0.730	0.000	2.00	7.250	5.29	182.1	0.0	344.5
22.00		1.00	0.93	31.889	35.08	408.41	0.730	0.000	2.00	7.172	5.24	183.7	0.0	340.7
24.00		1.00	0.95	32.454	35.70	407.49	0.730	0.000	2.00	7.094	5.18	184.9	0.0	337.0
26.00		1.00	0.96	32.984	36.28	406.25	0.730	0.000	2.00	7.016	5.12	185.8	0.0	333.3
28.00		1.00	0.98	33.484	36.83	404.73	0.730	0.000	2.00	6.938	5.06	186.5	0.0	329.5
30.00		1.00	0.99	33.958	37.35	402.97	0.730	0.000	2.00	6.860	5.01	187.0	0.0	325.8
32.00		1.00	1.00	34.407	37.85	400.98	0.730	0.000	2.00	6.781	4.95	187.4	0.0	322.0
34.00		1.00	1.01	34.836	38.32	398.79	0.730	0.000	2.00	6.703	4.89	187.5	0.0	318.3
36.00		1.00	1.03	35.246	38.77	396.42	0.730	0.000	2.00	6.625	4.84	187.5	0.0	314.6
38.00		1.00	1.04	35.639	39.20	393.89	0.730	0.000	2.00	6.547	4.78	187.4	0.0	310.8
40.00		1.00	1.05	36.016	39.62	391.22	0.730	0.000	2.00	6.469	4.72	187.1	0.0	307.1
42.00		1.00	1.06	36.379	40.02	388.40	0.730	0.000	2.00	6.390	4.67	186.7	0.0	303.3
44.00		1.00	1.07	36.729	40.40	385.46	0.730	0.000	2.00	6.312	4.61	186.2	0.0	299.6
46.00		1.00	1.08	37.067	40.77	382.40	0.730	0.000	2.00	6.234	4.55	185.6	0.0	295.8
48.00		1.00	1.09	37.393	41.13	379.24	0.730	0.000	2.00	6.156	4.49	184.8	0.0	292.1
48.50	Bot - Section 2	1.00	1.09	37.473	41.22	378.43	0.730	0.000	0.50	1.527	1.11	45.9	0.0	72.4
50.00		1.00	1.10	37.710	41.48	375.97	0.730	0.000	1.50	4.614	3.37	139.7	0.0	391.4
52.00		1.00	1.11	38.016	41.82	372.61	0.730	0.000	2.00	6.084	4.44	185.7	0.0	516.0
53.25	Top - Section 1	1.00	1.11	38.203	42.02	370.46	0.730	0.000	1.25	3.763	2.75	115.4	0.0	319.1
54.00		1.00	1.12	38.314	42.15	374.47	0.730	0.000	0.75	2.243	1.64	69.0	0.0	85.3
56.00		1.00	1.12	38.603	42.46	370.96	0.730	0.000	2.00	5.928	4.33	183.8	0.0	225.4
58.00		1.00	1.13	38.884	42.77	367.36	0.730	0.000	2.00	5.850	4.27	182.7	0.0	222.4
60.00		1.00	1.14	39.158	43.07	363.69	0.730	0.000	2.00	5.771	4.21	181.5	0.0	219.4
62.00		1.00	1.15	39.425	43.37	359.95	0.730	0.000	2.00	5.693	4.16	180.2	0.0	216.4
64.00		1.00	1.16	39.685	43.65	356.15	0.730	0.000	2.00	5.615	4.10	178.9	0.0	213.4
66.00		1.00	1.16	39.939	43.93	352.27	0.730	0.000	2.00	5.537	4.04	177.6	0.0	210.4
68.00		1.00	1.17	40.188	44.21	348.34	0.730	0.000	2.00	5.459	3.98	176.2	0.0	207.4
70.00		1.00	1.18	40.430	44.47	344.35	0.730	0.000	2.00	5.381	3.93	174.7	0.0	204.4
72.00		1.00	1.18	40.667	44.73	340.31	0.730	0.000	2.00	5.302	3.87	173.2	0.0	201.4
74.00		1.00	1.19	40.899	44.99	336.21	0.730	0.000	2.00	5.224	3.81	171.6	0.0	198.4
76.00		1.00	1.20	41.126	45.24	332.06	0.730	0.000	2.00	5.146	3.76	169.9	0.0	195.4
78.00		1.00	1.20	41.349	45.48	327.86	0.730	0.000	2.00	5.068	3.70	168.3	0.0	192.4
80.00		1.00	1.21	41.567	45.72	323.61	0.730	0.000	2.00	4.990	3.64	166.5	0.0	189.4
82.00		1.00	1.22	41.781	45.96	319.32	0.730	0.000	2.00	4.912	3.59	164.8	0.0	186.4
84.00		1.00	1.22	41.991	46.19	314.98	0.730	0.000	2.00	4.833	3.53	163.0	0.0	183.4
86.00		1.00	1.23	42.197	46.42	310.61	0.730	0.000	2.00	4.755	3.47	161.1	0.0	180.5
88.00		1.00	1.23	42.400	46.64	306.19	0.730	0.000	2.00	4.677	3.41	159.2	0.0	177.5

Wind Loading - Shaft

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

90.00		1.00	1.24	42.599	46.86	301.73	0.730	0.000	2.00	4.599	3.36	157.3	0.0	174.5
92.00		1.00	1.25	42.794	47.07	297.24	0.730	0.000	2.00	4.521	3.30	155.3	0.0	171.5
94.00		1.00	1.25	42.986	47.28	292.71	0.730	0.000	2.00	4.442	3.24	153.3	0.0	168.5
96.00	Appurtenance(s)	1.00	1.26	43.175	47.49	288.14	0.730	0.000	2.00	4.364	3.19	151.3	0.0	165.5
98.00		1.00	1.26	43.361	47.70	283.54	0.730	0.000	2.00	4.286	3.13	149.2	0.0	162.5
98.75	Bot - Section 3	1.00	1.26	43.430	47.77	281.81	0.730	0.000	0.75	1.587	1.16	55.3	0.0	60.2
100.00		1.00	1.27	43.544	47.90	278.91	0.730	0.000	1.25	2.660	1.94	93.0	0.0	175.2
102.00	Top - Section 2	1.00	1.27	43.724	48.10	274.25	0.730	0.000	2.00	4.193	3.06	147.2	0.0	276.0
104.00		1.00	1.28	43.901	48.29	273.81	0.730	0.000	2.00	4.115	3.00	145.1	0.0	117.3
106.00	Appurtenance(s)	1.00	1.28	44.076	48.48	269.09	0.730	0.000	2.00	4.037	2.95	142.9	0.0	115.0
108.00		1.00	1.29	44.248	48.67	264.35	0.730	0.000	2.00	3.959	2.89	140.7	0.0	112.8
110.00		1.00	1.29	44.418	48.86	259.57	0.730	0.000	2.00	3.880	2.83	138.4	0.0	110.5
112.00		1.00	1.30	44.585	49.04	254.77	0.730	0.000	2.00	3.802	2.78	136.1	0.0	108.3
114.00		1.00	1.30	44.750	49.23	249.94	0.730	0.000	2.00	3.724	2.72	133.8	0.0	106.0
116.00		1.00	1.31	44.913	49.40	245.08	0.730	0.000	2.00	3.646	2.66	131.5	0.0	103.8
118.00		1.00	1.31	45.074	49.58	240.19	0.730	0.000	2.00	3.568	2.60	129.1	0.0	101.5
120.00		1.00	1.32	45.232	49.76	235.28	0.730	0.000	2.00	3.490	2.55	126.7	0.0	99.3
122.00		1.00	1.32	45.388	49.93	230.35	0.730	0.000	2.00	3.411	2.49	124.3	0.0	97.1
124.00		1.00	1.33	45.543	50.10	225.39	0.730	0.000	2.00	3.333	2.43	121.9	0.0	94.8
126.00	Appurtenance(s)	1.00	1.33	45.695	50.26	220.41	0.730	0.000	2.00	3.255	2.38	119.4	0.0	92.6
128.00		1.00	1.34	45.846	50.43	215.41	0.730	0.000	2.00	3.177	2.32	117.0	0.0	90.3
130.00		1.00	1.34	45.995	50.59	210.38	0.730	0.000	2.00	3.099	2.26	114.4	0.0	88.1
132.00		1.00	1.34	46.142	50.76	205.33	0.730	0.000	2.00	3.021	2.20	111.9	0.0	85.8
134.00		1.00	1.35	46.287	50.92	200.26	0.730	0.000	2.00	2.942	2.15	109.4	0.0	83.6
136.00	Appurtenance(s)	1.00	1.35	46.430	51.07	195.17	0.730	0.000	2.00	2.864	2.09	106.8	0.0	81.3
138.00		1.00	1.36	46.572	51.23	190.06	0.730	0.000	2.00	2.786	2.03	104.2	0.0	79.1
139.00	Appurtenance(s)	1.00	1.36	46.642	51.31	187.50	0.730	0.000	1.00	1.364	1.00	51.1	0.0	38.7
								Totals:	**139.00**			**11,270.5**		**16,010.8**

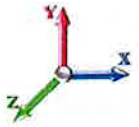
Discrete Appurtenance Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 30

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	139.00	6' Lightning rod	1	46.851	51.536	1.00	1.00	0.38	7.80	0.000	3.000	19.58	0.00	58.75
2	136.00	4449 B71+B85	3	46.430	51.073	0.54	0.80	2.65	252.00	0.000	0.000	135.51	0.00	0.00
3	136.00	KRY 112 144/1	3	46.430	51.073	0.40	0.80	0.49	39.60	0.000	0.000	25.13	0.00	0.00
4	136.00	RFS	3	46.430	51.073	0.56	0.80	34.00	460.80	0.000	0.000	1736.65	0.00	0.00
5	136.00	Air 32	3	46.430	51.073	0.70	0.80	13.59	475.92	0.000	0.000	694.23	0.00	0.00
6	136.00	AIR6449 B41	3	46.430	51.073	0.57	0.80	9.63	370.80	0.000	0.000	491.71	0.00	0.00
7	136.00	4415 B25	3	46.430	51.073	0.40	0.80	2.23	166.68	0.000	0.000	114.00	0.00	0.00
8	136.00	RDS-272	3	46.430	51.073	0.75	0.75	9.07	2434.75	0.000	0.000	463.11	0.00	0.00
9	136.00	Mount Pipes	9	46.430	51.073	0.80	0.80	10.87	512.46	0.000	0.000	555.27	0.00	0.00
10	136.00	SDX1926Q-43	3	46.430	51.073	0.40	0.80	0.46	25.20	0.000	0.000	23.29	0.00	0.00
11	126.00	Commscope	3	45.695	50.265	0.59	0.80	21.74	254.88	0.000	0.000	1092.67	0.00	0.00
12	126.00	(1) 8'x2.875" mount pipe	3	45.695	50.265	1.00	1.00	6.90	167.04	0.000	0.000	346.83	0.00	0.00
13	126.00	Collar Mount (3-Sided)	1	45.695	50.265	1.00	1.00	3.50	440.40	0.000	0.000	175.93	0.00	0.00
14	126.00	Fujitsu TA08025-B605 -	3	45.695	50.265	0.54	0.80	3.15	270.00	0.000	0.000	158.42	0.00	0.00
15	126.00	Fujitsu TA08025-B604 -	3	45.695	50.265	0.54	0.80	3.15	230.04	0.000	0.000	158.42	0.00	0.00
16	126.00	Raycap	1	45.695	50.265	0.80	0.80	1.61	26.28	0.000	0.000	80.83	0.00	0.00
17	126.00	side arm	3	45.695	50.265	1.00	1.00	1.41	379.19	0.000	0.000	70.87	0.00	0.00
18	106.00	EPBQ-652L8H6-L2	3	44.076	48.484	0.55	0.80	21.93	262.08	0.000	0.000	1063.03	0.00	0.00
19	106.00	DC6-48-60-18-8F	2	44.076	48.484	0.40	0.80	3.86	78.72	0.000	0.000	186.95	0.00	0.00
20	106.00	RRUS-32	3	44.076	48.484	0.54	0.80	5.32	277.20	0.000	0.000	258.05	0.00	0.00
21	106.00	RRUS A2	3	44.076	48.484	0.54	0.80	3.34	79.20	0.000	0.000	162.16	0.00	0.00
22	106.00	RRUS 4449 B5/B12	3	44.076	48.484	0.40	0.80	4.20	306.00	0.000	0.000	203.63	0.00	0.00
23	106.00	OPA65R-BU6DA	3	44.076	48.484	0.68	0.80	19.71	230.40	0.000	0.000	955.44	0.00	0.00
24	106.00	Double T-Arm	3	44.076	48.484	0.75	0.75	7.76	2154.92	0.000	0.000	376.36	0.00	0.00
25	106.00	Mount Pipes	12	44.076	48.484	0.80	0.80	13.82	551.81	0.000	0.000	670.24	0.00	0.00
26	106.00	AIR 6449 B77D	3	44.076	48.484	0.62	0.80	7.45	293.76	0.000	0.000	361.08	0.00	0.00
27	106.00	DC9-48-60-24-8C-EV	1	44.076	48.484	0.40	0.80	1.92	31.44	0.000	0.000	92.89	0.00	0.00
28	106.00	DTMABP7819VG12A	3	44.076	48.484	0.40	0.80	1.18	69.12	0.000	0.000	57.02	0.00	0.00
29	106.00	4426 B66	3	44.076	48.484	0.54	0.80	4.41	190.80	0.000	0.000	213.62	0.00	0.00
30	106.00	RRUS 4415 B25	3	44.076	48.484	0.54	0.80	2.96	165.60	0.000	0.000	143.45	0.00	0.00
31	106.00	RRUS 4478 B14	3	44.076	48.484	0.54	0.80	3.25	213.84	0.000	0.000	157.48	0.00	0.00
32	106.00	DBC20056F1V1	3	44.076	48.484	0.40	0.80	0.40	25.20	0.000	0.000	19.20	0.00	0.00
33	96.00	Samsung B2/B66A	3	43.175	47.493	0.54	0.80	3.02	253.08	0.000	0.000	143.57	0.00	0.00
34	96.00	JMA MX06FRO660-03	6	43.175	47.493	0.76	0.80	37.16	367.20	0.000	0.000	1765.01	0.00	0.00
35	96.00	Samsung 64T64R	3	43.175	47.493	0.56	0.80	7.90	313.56	0.000	0.000	375.00	0.00	0.00
36	96.00	Samsung B5/B13	3	43.175	47.493	0.54	0.80	3.02	303.84	0.000	0.000	143.57	0.00	0.00
37	96.00	T-Arms	3	43.175	47.493	0.75	0.75	6.98	1260.00	0.000	0.000	331.26	0.00	0.00
38	96.00	Commscope	1	43.175	47.493	0.40	0.80	1.92	54.00	0.000	0.000	91.19	0.00	0.00
39	96.00	Mount Pipes	9	43.175	47.493	0.75	0.75	5.60	310.39	0.000	0.000	266.08	0.00	0.00
40	96.00	Kaelus BSF0020F3V1-1	2	43.175	47.493	0.54	0.80	1.03	42.24	0.000	0.000	48.88	0.00	0.00
							Totals:		**14,348.24**			**14,427.60**		

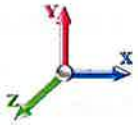
Total Applied Force Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 13

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		186.40	466.59	0.00	0.00
4.00		184.56	462.85	0.00	0.00
6.00		182.73	459.10	0.00	0.00
8.00		180.90	455.36	0.00	0.00
10.00		179.07	451.62	0.00	0.00
12.00		177.24	447.88	0.00	0.00
14.00		175.40	444.14	0.00	0.00
16.00		177.97	440.40	0.00	0.00
18.00		180.27	436.65	0.00	0.00
20.00		182.14	432.91	0.00	0.00
22.00		183.66	429.17	0.00	0.00
24.00		184.88	425.43	0.00	0.00
26.00		185.82	421.69	0.00	0.00
28.00		186.54	417.94	0.00	0.00
30.00		187.04	414.20	0.00	0.00
32.00		187.36	410.46	0.00	0.00
34.00		187.51	406.72	0.00	0.00
36.00		187.51	402.98	0.00	0.00
38.00		187.36	399.24	0.00	0.00
40.00		187.08	395.49	0.00	0.00
42.00		186.68	391.75	0.00	0.00
44.00		186.17	388.01	0.00	0.00
46.00		185.56	384.27	0.00	0.00
48.00		184.84	380.53	0.00	0.00
48.50		45.94	94.55	0.00	0.00
50.00		139.73	457.71	0.00	0.00
52.00		185.73	604.38	0.00	0.00
53.25		115.44	374.32	0.00	0.00
54.00		69.01	118.44	0.00	0.00
56.00		183.75	313.78	0.00	0.00
58.00		182.65	310.79	0.00	0.00
60.00		181.48	307.79	0.00	0.00
62.00		180.24	304.80	0.00	0.00
64.00		178.94	301.80	0.00	0.00
66.00		177.58	298.81	0.00	0.00
68.00		176.16	295.82	0.00	0.00
70.00		174.68	292.82	0.00	0.00
72.00		173.15	289.83	0.00	0.00
74.00		171.57	286.84	0.00	0.00
76.00		169.95	283.84	0.00	0.00
78.00		168.27	280.85	0.00	0.00
80.00		166.55	277.86	0.00	0.00
82.00		164.78	274.86	0.00	0.00
84.00		162.97	271.87	0.00	0.00
86.00		161.13	268.88	0.00	0.00
88.00		159.24	265.88	0.00	0.00

Total Applied Force Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 14

90.00		157.31	262.89	0.00	0.00
92.00		155.34	259.90	0.00	0.00
94.00		153.34	256.90	0.00	0.00
96.00	(30) attachments	3315.86	3158.22	0.00	0.00
98.00		149.24	218.33	0.00	0.00
98.75		55.35	81.10	0.00	0.00
100.00		93.02	210.06	0.00	0.00
102.00		147.22	331.84	0.00	0.00
104.00		145.07	173.09	0.00	0.00
106.00	(51) attachments	5063.48	5100.94	0.00	0.00
108.00		140.66	153.72	0.00	0.00
110.00		138.41	151.48	0.00	0.00
112.00		136.13	149.23	0.00	0.00
114.00		133.82	146.99	0.00	0.00
116.00		131.49	144.74	0.00	0.00
118.00		129.13	142.50	0.00	0.00
120.00		126.75	140.25	0.00	0.00
122.00		124.34	138.01	0.00	0.00
124.00		121.90	135.76	0.00	0.00
126.00	(17) attachments	2203.40	1901.35	0.00	0.00
128.00		116.95	126.49	0.00	0.00
130.00		114.45	124.25	0.00	0.00
132.00		111.92	122.00	0.00	0.00
134.00		109.36	119.76	0.00	0.00
136.00	(33) attachments	4345.68	4855.73	0.00	0.00
138.00		104.19	82.25	0.00	0.00
139.00	(1) attachments	70.66	48.08	0.00	58.75
	Totals:	**25,698.09**	**35,477.78**	**0.00**	**58.75**

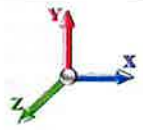
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.66
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	2.50
4.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.66
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	2.50
6.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.66
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	2.50
8.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.66
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	2.50
10.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.66
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	2.50
12.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.66
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	2.50
14.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.66
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	2.50
16.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.923	0.00	0.66
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.923	0.00	2.50
18.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	30.632	0.00	0.66
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	30.632	0.00	2.50
20.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	31.284	0.00	0.66
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	31.284	0.00	2.50
22.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	31.889	0.00	0.66
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	31.889	0.00	2.50
24.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	32.454	0.00	0.66
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	32.454	0.00	2.50
26.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	32.984	0.00	0.66
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	32.984	0.00	2.50
28.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	33.484	0.00	0.66
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	33.484	0.00	2.50
30.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	33.958	0.00	0.66
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	33.958	0.00	2.50
32.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.407	0.00	0.66
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.407	0.00	2.50
34.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.836	0.00	0.66
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.836	0.00	2.50
36.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.246	0.00	0.66
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.246	0.00	2.50
38.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.639	0.00	0.66
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.639	0.00	2.50
40.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.016	0.00	0.66
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.016	0.00	2.50
42.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.379	0.00	0.66
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.379	0.00	2.50
44.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.729	0.00	0.66
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.729	0.00	2.50
46.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	37.067	0.00	0.66
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	37.067	0.00	2.50
48.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	37.393	0.00	0.66

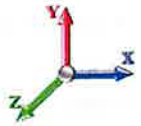
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	37.393	0.00	2.50
48.50	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.000	0.000	37.473	0.00	0.16
48.50	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.000	0.000	37.473	0.00	0.62
50.00	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.000	0.000	37.710	0.00	0.49
50.00	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.000	0.000	37.710	0.00	1.87
52.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.016	0.00	0.66
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.016	0.00	2.50
53.25	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	38.203	0.00	0.41
53.25	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	38.203	0.00	1.56
54.00	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	38.314	0.00	0.25
54.00	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	38.314	0.00	0.94
56.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.603	0.00	0.66
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.603	0.00	2.50
58.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.884	0.00	0.66
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.884	0.00	2.50
60.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.158	0.00	0.66
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.158	0.00	2.50
62.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.425	0.00	0.66
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.425	0.00	2.50
64.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.685	0.00	0.66
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.685	0.00	2.50
66.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.939	0.00	0.66
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.939	0.00	2.50
68.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.188	0.00	0.66
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.188	0.00	2.50
70.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.430	0.00	0.66
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.430	0.00	2.50
72.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.667	0.00	0.66
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.667	0.00	2.50
74.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.899	0.00	0.66
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.899	0.00	2.50
76.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.126	0.00	0.66
76.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.126	0.00	2.50
78.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.349	0.00	0.66
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.349	0.00	2.50
80.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.567	0.00	0.66
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.567	0.00	2.50
82.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.781	0.00	0.66
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.781	0.00	2.50
84.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.991	0.00	0.66
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.991	0.00	2.50
86.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.197	0.00	0.66
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.197	0.00	2.50
88.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.400	0.00	0.66
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.400	0.00	2.50
90.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.599	0.00	0.66
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.599	0.00	2.50

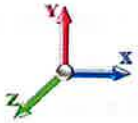
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 17	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
92.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.794	0.00	0.66
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.794	0.00	2.50
94.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.986	0.00	0.66
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.986	0.00	2.50
96.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.175	0.00	0.66
96.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.175	0.00	2.50
98.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.361	0.00	0.66
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.361	0.00	2.50
98.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	43.430	0.00	0.25
98.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	43.430	0.00	0.94
100.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	43.544	0.00	0.41
100.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	43.544	0.00	1.56
102.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.724	0.00	0.66
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.724	0.00	2.50
104.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.901	0.00	0.66
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.901	0.00	2.50
106.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.076	0.00	0.66
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.076	0.00	2.50
108.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.248	0.00	0.66
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.248	0.00	2.50
110.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.418	0.00	0.66
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.418	0.00	2.50
112.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.585	0.00	0.66
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.585	0.00	2.50
114.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.750	0.00	0.66
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.750	0.00	2.50
116.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.913	0.00	0.66
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.913	0.00	2.50
118.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.074	0.00	0.66
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.074	0.00	2.50
120.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.232	0.00	0.66
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.232	0.00	2.50
122.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.388	0.00	0.66
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.388	0.00	2.50
124.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.543	0.00	0.66
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.543	0.00	2.50
126.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.695	0.00	0.66
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.695	0.00	2.50
128.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.846	0.00	0.66
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.846	0.00	2.50
130.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.995	0.00	0.66
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.995	0.00	2.50
132.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.142	0.00	0.66
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.142	0.00	2.50
134.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.287	0.00	0.66
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.287	0.00	2.50
136.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.430	0.00	0.66

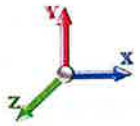
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.430	0.00	2.50
138.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.572	0.00	0.66
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.572	0.00	2.50
139.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	46.642	0.00	0.33
139.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	46.642	0.00	1.25
										Totals:	**0.0**	**219.0**

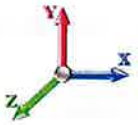
Calculated Forces

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 19

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 30

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 Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-35.45	-25.73	0.00	-2554.2	0.00	2554.29	3003.53	816.68	3179.09	2902.93	0.00	0.000	0.000	0.893
2.00	-34.94	-25.61	0.00	-2502.8	0.00	2502.83	2986.67	808.64	3116.80	2858.03	0.02	-0.111	0.000	0.888
4.00	-34.42	-25.50	0.00	-2451.6	0.00	2451.60	2969.56	800.60	3055.12	2813.21	0.10	-0.223	0.000	0.884
6.00	-33.91	-25.38	0.00	-2400.6	0.00	2400.61	2952.19	792.56	2994.06	2768.48	0.21	-0.337	0.000	0.880
8.00	-33.41	-25.26	0.00	-2349.8	0.00	2349.85	2934.57	784.52	2933.61	2723.85	0.38	-0.451	0.000	0.875
10.00	-32.91	-25.15	0.00	-2299.3	0.00	2299.33	2916.70	776.48	2873.79	2679.32	0.59	-0.566	0.000	0.871
12.00	-32.41	-25.03	0.00	-2249.0	0.00	2249.04	2898.58	768.44	2814.57	2634.90	0.86	-0.682	0.000	0.866
14.00	-31.92	-24.91	0.00	-2198.9	0.00	2198.99	2880.20	760.40	2755.98	2590.61	1.17	-0.800	0.000	0.861
16.00	-31.43	-24.79	0.00	-2149.1	0.00	2149.16	2861.57	752.36	2698.00	2546.44	1.53	-0.918	0.000	0.856
18.00	-30.94	-24.67	0.00	-2099.5	0.00	2099.57	2842.69	744.31	2640.64	2502.41	1.94	-1.038	0.000	0.851
20.00	-30.46	-24.55	0.00	-2050.2	0.00	2050.23	2823.56	736.27	2583.89	2458.52	2.40	-1.158	0.000	0.846
22.00	-29.99	-24.42	0.00	-2001.1	0.00	2001.14	2804.17	728.23	2527.76	2414.78	2.91	-1.280	0.000	0.841
24.00	-29.51	-24.29	0.00	-1952.3	0.00	1952.31	2784.53	720.19	2472.25	2371.19	3.47	-1.402	0.000	0.835
26.00	-29.04	-24.15	0.00	-1903.7	0.00	1903.74	2764.64	712.15	2417.35	2327.77	4.09	-1.526	0.000	0.829
28.00	-28.58	-24.02	0.00	-1855.4	0.00	1855.44	2744.49	704.11	2363.07	2284.52	4.76	-1.651	0.000	0.824
30.00	-28.12	-23.88	0.00	-1807.4	0.00	1807.40	2724.09	696.07	2309.41	2241.44	5.47	-1.776	0.000	0.818
32.00	-27.66	-23.74	0.00	-1759.6	0.00	1759.65	2703.44	688.03	2256.36	2198.55	6.25	-1.903	0.000	0.812
34.00	-27.21	-23.60	0.00	-1712.1	0.00	1712.17	2682.53	679.99	2203.93	2155.86	7.07	-2.031	0.000	0.806
36.00	-26.76	-23.46	0.00	-1664.9	0.00	1664.97	2661.38	671.95	2152.11	2113.36	7.95	-2.159	0.000	0.799
38.00	-26.32	-23.31	0.00	-1618.0	0.00	1618.06	2639.97	663.90	2100.91	2071.07	8.88	-2.289	0.000	0.792
40.00	-25.88	-23.17	0.00	-1571.4	0.00	1571.43	2618.30	655.86	2050.33	2029.00	9.87	-2.419	0.000	0.786
42.00	-25.44	-23.03	0.00	-1525.0	0.00	1525.09	2596.39	647.82	2000.36	1987.14	10.91	-2.551	0.000	0.779
44.00	-25.01	-22.88	0.00	-1479.0	0.00	1479.04	2574.22	639.78	1951.01	1945.52	12.01	-2.683	0.000	0.771
46.00	-24.58	-22.73	0.00	-1433.2	0.00	1433.28	2551.80	631.74	1902.28	1904.13	13.16	-2.816	0.000	0.764
48.00	-24.18	-22.57	0.00	-1387.8	0.00	1387.81	2529.12	623.70	1854.16	1862.98	14.37	-2.950	0.000	0.756
48.50	-24.06	-22.54	0.00	-1376.5	0.00	1376.53	2523.41	621.69	1842.23	1852.74	14.68	-2.984	0.000	0.754
50.00	-23.56	-22.43	0.00	-1342.7	0.00	1342.72	2506.19	615.66	1806.66	1822.09	15.63	-3.086	0.000	0.748
52.00	-22.92	-22.25	0.00	-1297.8	0.00	1297.86	2483.01	607.62	1759.78	1781.45	16.95	-3.221	0.000	0.739
53.25	-22.53	-22.14	0.00	-1270.0	0.00	1270.04	1850.79	489.91	1429.99	1340.72	17.81	-3.307	0.000	0.961
54.00	-22.38	-22.11	0.00	-1253.4	0.00	1253.44	1845.26	487.50	1415.95	1330.10	18.33	-3.359	0.000	0.957
56.00	-22.01	-21.97	0.00	-1209.2	0.00	1209.22	1830.37	481.06	1378.82	1301.83	19.77	-3.522	0.000	0.943
58.00	-21.65	-21.83	0.00	-1165.2	0.00	1165.28	1815.22	474.63	1342.20	1273.66	21.28	-3.685	0.000	0.929
60.00	-21.29	-21.69	0.00	-1121.6	0.00	1121.61	1799.82	468.20	1306.06	1245.62	22.86	-3.849	0.000	0.914
62.00	-20.94	-21.55	0.00	-1078.2	0.00	1078.23	1784.16	461.76	1270.42	1217.69	24.51	-4.013	0.000	0.899
64.00	-20.59	-21.41	0.00	-1035.1	0.00	1035.13	1768.26	455.33	1235.27	1189.90	26.22	-4.178	0.000	0.884
66.00	-20.24	-21.27	0.00	-992.31	0.00	992.31	1752.10	448.90	1200.61	1162.24	28.01	-4.342	0.000	0.868
68.00	-19.90	-21.13	0.00	-949.78	0.00	949.78	1735.69	442.47	1166.45	1134.73	29.86	-4.507	0.000	0.851
70.00	-19.56	-20.99	0.00	-907.52	0.00	907.52	1719.02	436.03	1132.78	1107.37	31.78	-4.671	0.000	0.833
72.00	-19.23	-20.84	0.00	-865.55	0.00	865.55	1702.10	429.60	1099.60	1080.16	33.77	-4.835	0.000	0.815
74.00	-18.90	-20.70	0.00	-823.87	0.00	823.87	1684.93	423.17	1066.92	1053.13	35.83	-4.998	0.000	0.796
76.00	-18.57	-20.56	0.00	-782.46	0.00	782.46	1667.51	416.73	1034.73	1026.26	37.96	-5.161	0.000	0.776
78.00	-18.25	-20.42	0.00	-741.34	0.00	741.34	1649.83	410.30	1003.03	999.58	40.15	-5.322	0.000	0.755
80.00	-17.94	-20.28	0.00	-700.50	0.00	700.50	1631.90	403.87	971.82	973.09	42.41	-5.482	0.000	0.733
82.00	-17.62	-20.13	0.00	-659.95	0.00	659.95	1613.72	397.44	941.11	946.79	44.74	-5.641	0.000	0.711
84.00	-17.31	-19.99	0.00	-619.68	0.00	619.68	1595.28	391.00	910.89	920.69	47.14	-5.797	0.000	0.687
86.00	-17.01	-19.85	0.00	-579.70	0.00	579.70	1576.59	384.57	881.17	894.80	49.59	-5.950	0.000	0.661
88.00	-16.71	-19.71	0.00	-540.00	0.00	540.00	1557.65	378.14	851.94	869.13	52.11	-6.101	0.000	0.635
90.00	-16.42	-19.56	0.00	-500.59	0.00	500.59	1538.46	371.71	823.20	843.69	54.70	-6.249	0.000	0.607

Calculated Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 20

92.00	-16.13	-19.42	0.00	-461.46	0.00	461.46	1519.01	365.27	794.95	818.47	57.34	-6.392	0.000	0.577
94.00	-15.84	-19.28	0.00	-422.62	0.00	422.62	1499.31	358.84	767.20	793.50	60.05	-6.531	0.000	0.546
96.00	-13.05	-15.65	0.00	-384.06	0.00	384.06	1479.36	352.41	739.94	768.77	62.80	-6.665	0.000	0.510
98.00	-12.83	-15.50	0.00	-352.76	0.00	352.76	1459.16	345.97	713.17	744.29	65.62	-6.794	0.000	0.485
98.75	-12.74	-15.45	0.00	-341.14	0.00	341.14	1451.52	343.56	703.26	735.18	66.69	-6.842	0.000	0.475
100.00	-12.51	-15.35	0.00	-321.83	0.00	321.83	1437.39	339.54	686.90	719.42	68.49	-6.921	0.000	0.458
102.00	-12.17	-15.19	0.00	-291.13	0.00	291.13	990.34	254.40	514.14	496.43	71.40	-7.041	0.000	0.602
104.00	-11.99	-15.05	0.00	-260.76	0.00	260.76	978.09	249.58	494.83	480.92	74.37	-7.155	0.000	0.558
106.00	-7.54	-9.40	0.00	-230.66	0.00	230.66	965.60	244.75	475.88	465.53	77.39	-7.291	0.000	0.505
108.00	-7.39	-9.26	0.00	-211.86	0.00	211.86	952.85	239.93	457.30	450.26	80.47	-7.421	0.000	0.480
110.00	-7.23	-9.12	0.00	-193.34	0.00	193.34	939.85	235.10	439.10	435.11	83.59	-7.548	0.000	0.454
112.00	-7.08	-8.98	0.00	-175.10	0.00	175.10	926.60	230.28	421.26	420.10	86.77	-7.670	0.000	0.426
114.00	-6.94	-8.84	0.00	-157.14	0.00	157.14	913.09	225.45	403.79	405.23	90.00	-7.787	0.000	0.397
116.00	-6.80	-8.70	0.00	-139.46	0.00	139.46	899.33	220.63	386.70	390.51	93.28	-7.899	0.000	0.366
118.00	-6.66	-8.57	0.00	-122.06	0.00	122.06	885.32	215.80	369.97	375.94	96.60	-8.004	0.000	0.334
120.00	-6.52	-8.43	0.00	-104.92	0.00	104.92	871.06	210.98	353.61	361.54	99.96	-8.101	0.000	0.299
122.00	-6.39	-8.30	0.00	-88.06	0.00	88.06	856.54	206.16	337.63	347.31	103.37	-8.190	0.000	0.263
124.00	-6.27	-8.17	0.00	-71.46	0.00	71.46	841.77	201.33	322.01	333.26	106.80	-8.268	0.000	0.224
126.00	-4.70	-5.72	0.00	-55.13	0.00	55.13	826.75	196.51	306.76	319.39	110.27	-8.335	0.000	0.179
128.00	-4.58	-5.59	0.00	-43.69	0.00	43.69	811.45	191.68	291.88	305.71	113.76	-8.391	0.000	0.149
130.00	-4.47	-5.46	0.00	-32.52	0.00	32.52	791.03	186.86	277.37	290.44	117.28	-8.438	0.000	0.118
132.00	-4.37	-5.33	0.00	-21.60	0.00	21.60	770.61	182.03	263.24	275.56	120.81	-8.474	0.000	0.085
134.00	-4.26	-5.21	0.00	-10.94	0.00	10.94	750.18	177.21	249.47	261.07	124.35	-8.497	0.000	0.048
136.00	-0.10	-0.19	0.00	-0.52	0.00	0.52	729.76	172.38	236.07	246.97	127.90	-8.506	0.000	0.002
138.00	-0.04	-0.08	0.00	-0.14	0.00	0.14	709.33	167.56	223.04	233.27	131.45	-8.507	0.000	0.001
139.00	0.00	-0.07	0.00	-0.06	0.00	0.06	699.12	165.15	216.66	226.56	133.22	-8.507	0.000	0.000

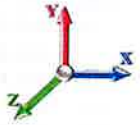
Wind Loading - Shaft

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

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	0.85	29.183	32.10	437.79	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	29.183	32.10	433.51	0.730	0.000	2.00	7.954	5.81	186.4	0.0	283.6
4.00		1.00	0.85	29.183	32.10	429.23	0.730	0.000	2.00	7.876	5.75	184.6	0.0	280.8
6.00		1.00	0.85	29.183	32.10	424.95	0.730	0.000	2.00	7.798	5.69	182.7	0.0	278.0
8.00		1.00	0.85	29.183	32.10	420.67	0.730	0.000	2.00	7.719	5.64	180.9	0.0	275.2
10.00		1.00	0.85	29.183	32.10	416.38	0.730	0.000	2.00	7.641	5.58	179.1	0.0	272.4
12.00		1.00	0.85	29.183	32.10	412.10	0.730	0.000	2.00	7.563	5.52	177.2	0.0	269.6
14.00		1.00	0.85	29.183	32.10	407.82	0.730	0.000	2.00	7.485	5.46	175.4	0.0	266.8
16.00		1.00	0.87	29.923	32.92	408.62	0.730	0.000	2.00	7.407	5.41	178.0	0.0	264.0
18.00		1.00	0.89	30.632	33.70	409.05	0.730	0.000	2.00	7.329	5.35	180.3	0.0	261.2
20.00		1.00	0.91	31.284	34.41	408.95	0.730	0.000	2.00	7.250	5.29	182.1	0.0	258.4
22.00		1.00	0.93	31.889	35.08	408.41	0.730	0.000	2.00	7.172	5.24	183.7	0.0	255.6
24.00		1.00	0.95	32.454	35.70	407.49	0.730	0.000	2.00	7.094	5.18	184.9	0.0	252.8
26.00		1.00	0.96	32.984	36.28	406.25	0.730	0.000	2.00	7.016	5.12	185.8	0.0	249.9
28.00		1.00	0.98	33.484	36.83	404.73	0.730	0.000	2.00	6.938	5.06	186.5	0.0	247.1
30.00		1.00	0.99	33.958	37.35	402.97	0.730	0.000	2.00	6.860	5.01	187.0	0.0	244.3
32.00		1.00	1.00	34.407	37.85	400.98	0.730	0.000	2.00	6.781	4.95	187.4	0.0	241.5
34.00		1.00	1.01	34.836	38.32	398.79	0.730	0.000	2.00	6.703	4.89	187.5	0.0	238.7
36.00		1.00	1.03	35.246	38.77	396.42	0.730	0.000	2.00	6.625	4.84	187.5	0.0	235.9
38.00		1.00	1.04	35.639	39.20	393.89	0.730	0.000	2.00	6.547	4.78	187.4	0.0	233.1
40.00		1.00	1.05	36.016	39.62	391.22	0.730	0.000	2.00	6.469	4.72	187.1	0.0	230.3
42.00		1.00	1.06	36.379	40.02	388.40	0.730	0.000	2.00	6.390	4.67	186.7	0.0	227.5
44.00		1.00	1.07	36.729	40.40	385.46	0.730	0.000	2.00	6.312	4.61	186.2	0.0	224.7
46.00		1.00	1.08	37.067	40.77	382.40	0.730	0.000	2.00	6.234	4.55	185.6	0.0	221.9
48.00		1.00	1.09	37.393	41.13	379.24	0.730	0.000	2.00	6.156	4.49	184.8	0.0	219.1
48.50 Bot - Section 2		1.00	1.09	37.473	41.22	378.43	0.730	0.000	0.50	1.527	1.11	45.9	0.0	54.3
50.00		1.00	1.10	37.710	41.48	375.97	0.730	0.000	1.50	4.614	3.37	139.7	0.0	293.5
52.00		1.00	1.11	38.016	41.82	372.61	0.730	0.000	2.00	6.084	4.44	185.7	0.0	387.0
53.25 Top - Section 1		1.00	1.11	38.203	42.02	370.46	0.730	0.000	1.25	3.763	2.75	115.4	0.0	239.3
54.00		1.00	1.12	38.314	42.15	374.47	0.730	0.000	0.75	2.243	1.64	69.0	0.0	64.0
56.00		1.00	1.12	38.603	42.46	370.96	0.730	0.000	2.00	5.928	4.33	183.8	0.0	169.0
58.00		1.00	1.13	38.884	42.77	367.36	0.730	0.000	2.00	5.850	4.27	182.7	0.0	166.8
60.00		1.00	1.14	39.158	43.07	363.69	0.730	0.000	2.00	5.771	4.21	181.5	0.0	164.5
62.00		1.00	1.15	39.425	43.37	359.95	0.730	0.000	2.00	5.693	4.16	180.2	0.0	162.3
64.00		1.00	1.16	39.685	43.65	356.15	0.730	0.000	2.00	5.615	4.10	178.9	0.0	160.0
66.00		1.00	1.16	39.939	43.93	352.27	0.730	0.000	2.00	5.537	4.04	177.6	0.0	157.8
68.00		1.00	1.17	40.188	44.21	348.34	0.730	0.000	2.00	5.459	3.98	176.2	0.0	155.5
70.00		1.00	1.18	40.430	44.47	344.35	0.730	0.000	2.00	5.381	3.93	174.7	0.0	153.3
72.00		1.00	1.18	40.667	44.73	340.31	0.730	0.000	2.00	5.302	3.87	173.2	0.0	151.1
74.00		1.00	1.19	40.899	44.99	336.21	0.730	0.000	2.00	5.224	3.81	171.6	0.0	148.8
76.00		1.00	1.20	41.126	45.24	332.06	0.730	0.000	2.00	5.146	3.76	169.9	0.0	146.6
78.00		1.00	1.20	41.349	45.48	327.86	0.730	0.000	2.00	5.068	3.70	168.3	0.0	144.3
80.00		1.00	1.21	41.567	45.72	323.61	0.730	0.000	2.00	4.990	3.64	166.5	0.0	142.1
82.00		1.00	1.22	41.781	45.96	319.32	0.730	0.000	2.00	4.912	3.59	164.8	0.0	139.8
84.00		1.00	1.22	41.991	46.19	314.98	0.730	0.000	2.00	4.833	3.53	163.0	0.0	137.6
86.00		1.00	1.23	42.197	46.42	310.61	0.730	0.000	2.00	4.755	3.47	161.1	0.0	135.3
88.00		1.00	1.23	42.400	46.64	306.19	0.730	0.000	2.00	4.677	3.41	159.2	0.0	133.1

Wind Loading - Shaft

Structure: CT13549-S
Site Name: Danbury 1
Height: 139.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1

Topography: 1

Code: TIA-222-H
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

7/7/2023

90.00		1.00	1.24	42.599	46.86	301.73	0.730	0.000	2.00	4.599	3.36	157.3	0.0	130.8
92.00		1.00	1.25	42.794	47.07	297.24	0.730	0.000	2.00	4.521	3.30	155.3	0.0	128.6
94.00		1.00	1.25	42.986	47.28	292.71	0.730	0.000	2.00	4.442	3.24	153.3	0.0	126.4
96.00	Appurtenance(s)	1.00	1.26	43.175	47.49	288.14	0.730	0.000	2.00	4.364	3.19	151.3	0.0	124.1
98.00		1.00	1.26	43.361	47.70	283.54	0.730	0.000	2.00	4.286	3.13	149.2	0.0	121.9
98.75	Bot - Section 3	1.00	1.26	43.430	47.77	281.81	0.730	0.000	0.75	1.587	1.16	55.3	0.0	45.1
100.00		1.00	1.27	43.544	47.90	278.91	0.730	0.000	1.25	2.660	1.94	93.0	0.0	131.4
102.00	Top - Section 2	1.00	1.27	43.724	48.10	274.25	0.730	0.000	2.00	4.193	3.06	147.2	0.0	207.0
104.00		1.00	1.28	43.901	48.29	273.81	0.730	0.000	2.00	4.115	3.00	145.1	0.0	87.9
106.00	Appurtenance(s)	1.00	1.28	44.076	48.48	269.09	0.730	0.000	2.00	4.037	2.95	142.9	0.0	86.3
108.00		1.00	1.29	44.248	48.67	264.35	0.730	0.000	2.00	3.959	2.89	140.7	0.0	84.6
110.00		1.00	1.29	44.418	48.86	259.57	0.730	0.000	2.00	3.880	2.83	138.4	0.0	82.9
112.00		1.00	1.30	44.585	49.04	254.77	0.730	0.000	2.00	3.802	2.78	136.1	0.0	81.2
114.00		1.00	1.30	44.750	49.23	249.94	0.730	0.000	2.00	3.724	2.72	133.8	0.0	79.5
116.00		1.00	1.31	44.913	49.40	245.08	0.730	0.000	2.00	3.646	2.66	131.5	0.0	77.8
118.00		1.00	1.31	45.074	49.58	240.19	0.730	0.000	2.00	3.568	2.60	129.1	0.0	76.2
120.00		1.00	1.32	45.232	49.76	235.28	0.730	0.000	2.00	3.490	2.55	126.7	0.0	74.5
122.00		1.00	1.32	45.388	49.93	230.35	0.730	0.000	2.00	3.411	2.49	124.3	0.0	72.8
124.00		1.00	1.33	45.543	50.10	225.39	0.730	0.000	2.00	3.333	2.43	121.9	0.0	71.1
126.00	Appurtenance(s)	1.00	1.33	45.695	50.26	220.41	0.730	0.000	2.00	3.255	2.38	119.4	0.0	69.4
128.00		1.00	1.34	45.846	50.43	215.41	0.730	0.000	2.00	3.177	2.32	117.0	0.0	67.7
130.00		1.00	1.34	45.995	50.59	210.38	0.730	0.000	2.00	3.099	2.26	114.4	0.0	66.1
132.00		1.00	1.34	46.142	50.76	205.33	0.730	0.000	2.00	3.021	2.20	111.9	0.0	64.4
134.00		1.00	1.35	46.287	50.92	200.26	0.730	0.000	2.00	2.942	2.15	109.4	0.0	62.7
136.00	Appurtenance(s)	1.00	1.35	46.430	51.07	195.17	0.730	0.000	2.00	2.864	2.09	106.8	0.0	61.0
138.00		1.00	1.36	46.572	51.23	190.06	0.730	0.000	2.00	2.786	2.03	104.2	0.0	59.3
139.00	Appurtenance(s)	1.00	1.36	46.642	51.31	187.50	0.730	0.000	1.00	1.364	1.00	51.1	0.0	29.0
								Totals:	**139.00**			**11,270.5**		**12,008.1**

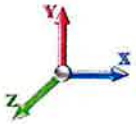
Discrete Appurtenance Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 23	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	139.00	6' Lightning rod	1	46.851	51.536	1.00	1.00	0.38	5.85	0.000	3.000	19.58	0.00	58.75
2	136.00	4449 B71+B85	3	46.430	51.073	0.54	0.80	2.65	189.00	0.000	0.000	135.51	0.00	0.00
3	136.00	KRY 112 144/1	3	46.430	51.073	0.40	0.80	0.49	29.70	0.000	0.000	25.13	0.00	0.00
4	136.00	RFS	3	46.430	51.073	0.56	0.80	34.00	345.60	0.000	0.000	1736.65	0.00	0.00
5	136.00	Air 32	3	46.430	51.073	0.70	0.80	13.59	356.94	0.000	0.000	694.23	0.00	0.00
6	136.00	AIR6449 B41	3	46.430	51.073	0.57	0.80	9.63	278.10	0.000	0.000	491.71	0.00	0.00
7	136.00	4415 B25	3	46.430	51.073	0.40	0.80	2.23	125.01	0.000	0.000	114.00	0.00	0.00
8	136.00	RDS-272	3	46.430	51.073	0.75	0.75	9.07	1826.06	0.000	0.000	463.11	0.00	0.00
9	136.00	Mount Pipes	9	46.430	51.073	0.80	0.80	10.87	384.35	0.000	0.000	555.27	0.00	0.00
10	136.00	SDX1926Q-43	3	46.430	51.073	0.40	0.80	0.46	18.90	0.000	0.000	23.29	0.00	0.00
11	126.00	Commscope	3	45.695	50.265	0.59	0.80	21.74	191.16	0.000	0.000	1092.67	0.00	0.00
12	126.00	(1) 8'x2.875" mount pipe	3	45.695	50.265	1.00	1.00	6.90	125.28	0.000	0.000	346.83	0.00	0.00
13	126.00	Collar Mount (3-Sided)	1	45.695	50.265	1.00	1.00	3.50	330.30	0.000	0.000	175.93	0.00	0.00
14	126.00	Fujitsu TA08025-B605 -	3	45.695	50.265	0.54	0.80	3.15	202.50	0.000	0.000	158.42	0.00	0.00
15	126.00	Fujitsu TA08025-B604 -	3	45.695	50.265	0.54	0.80	3.15	172.53	0.000	0.000	158.42	0.00	0.00
16	126.00	Raycap	1	45.695	50.265	0.80	0.80	1.61	19.71	0.000	0.000	80.83	0.00	0.00
17	126.00	side arm	3	45.695	50.265	1.00	1.00	1.41	284.39	0.000	0.000	70.87	0.00	0.00
18	106.00	EPBQ-652L8H6-L2	3	44.076	48.484	0.55	0.80	21.93	196.56	0.000	0.000	1063.03	0.00	0.00
19	106.00	DC6-48-60-18-8F	2	44.076	48.484	0.40	0.80	3.86	59.04	0.000	0.000	186.95	0.00	0.00
20	106.00	RRUS-32	3	44.076	48.484	0.54	0.80	5.32	207.90	0.000	0.000	258.05	0.00	0.00
21	106.00	RRUS A2	3	44.076	48.484	0.54	0.80	3.34	59.40	0.000	0.000	162.16	0.00	0.00
22	106.00	RRUS 4449 B5/B12	3	44.076	48.484	0.40	0.80	4.20	229.50	0.000	0.000	203.63	0.00	0.00
23	106.00	OPA65R-BU6DA	3	44.076	48.484	0.68	0.80	19.71	172.80	0.000	0.000	955.44	0.00	0.00
24	106.00	Double T-Arm	3	44.076	48.484	0.75	0.75	7.76	1616.19	0.000	0.000	376.36	0.00	0.00
25	106.00	Mount Pipes	12	44.076	48.484	0.80	0.80	13.82	413.86	0.000	0.000	670.24	0.00	0.00
26	106.00	AIR 6449 B77D	3	44.076	48.484	0.62	0.80	7.45	220.32	0.000	0.000	361.08	0.00	0.00
27	106.00	DC9-48-60-24-8C-EV	1	44.076	48.484	0.40	0.80	1.92	23.58	0.000	0.000	92.89	0.00	0.00
28	106.00	DTMABP7819VG12A	3	44.076	48.484	0.40	0.80	1.18	51.84	0.000	0.000	57.02	0.00	0.00
29	106.00	4426 B66	3	44.076	48.484	0.54	0.80	4.41	143.10	0.000	0.000	213.62	0.00	0.00
30	106.00	RRUS 4415 B25	3	44.076	48.484	0.54	0.80	2.96	124.20	0.000	0.000	143.45	0.00	0.00
31	106.00	RRUS 4478 B14	3	44.076	48.484	0.54	0.80	3.25	160.38	0.000	0.000	157.48	0.00	0.00
32	106.00	DBC20056F1V1	3	44.076	48.484	0.40	0.80	0.40	18.90	0.000	0.000	19.20	0.00	0.00
33	96.00	Samsung B2/B66A	3	43.175	47.493	0.54	0.80	3.02	189.81	0.000	0.000	143.57	0.00	0.00
34	96.00	JMA MX06FRO660-03	6	43.175	47.493	0.76	0.80	37.16	275.40	0.000	0.000	1765.01	0.00	0.00
35	96.00	Samsung 64T64R	3	43.175	47.493	0.56	0.80	7.90	235.17	0.000	0.000	375.00	0.00	0.00
36	96.00	Samsung B5/B13	3	43.175	47.493	0.54	0.80	3.02	227.88	0.000	0.000	143.57	0.00	0.00
37	96.00	T-Arms	3	43.175	47.493	0.75	0.75	6.98	945.00	0.000	0.000	331.26	0.00	0.00
38	96.00	Commscope	1	43.175	47.493	0.40	0.80	1.92	40.50	0.000	0.000	91.19	0.00	0.00
39	96.00	Mount Pipes	9	43.175	47.493	0.75	0.75	5.60	232.79	0.000	0.000	266.08	0.00	0.00
40	96.00	Kaelus BSF0020F3V1-1	2	43.175	47.493	0.54	0.80	1.03	31.68	0.000	0.000	48.88	0.00	0.00
							Totals:		**10,761.18**			**14,427.60**		

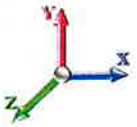
Total Applied Force Summary

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 24

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		186.40	349.94	0.00	0.00
4.00		184.56	347.13	0.00	0.00
6.00		182.73	344.33	0.00	0.00
8.00		180.90	341.52	0.00	0.00
10.00		179.07	338.72	0.00	0.00
12.00		177.24	335.91	0.00	0.00
14.00		175.40	333.10	0.00	0.00
16.00		177.97	330.30	0.00	0.00
18.00		180.27	327.49	0.00	0.00
20.00		182.14	324.68	0.00	0.00
22.00		183.66	321.88	0.00	0.00
24.00		184.88	319.07	0.00	0.00
26.00		185.82	316.26	0.00	0.00
28.00		186.54	313.46	0.00	0.00
30.00		187.04	310.65	0.00	0.00
32.00		187.36	307.85	0.00	0.00
34.00		187.51	305.04	0.00	0.00
36.00		187.51	302.23	0.00	0.00
38.00		187.36	299.43	0.00	0.00
40.00		187.08	296.62	0.00	0.00
42.00		186.68	293.81	0.00	0.00
44.00		186.17	291.01	0.00	0.00
46.00		185.56	288.20	0.00	0.00
48.00		184.84	285.40	0.00	0.00
48.50		45.94	70.91	0.00	0.00
50.00		139.73	343.28	0.00	0.00
52.00		185.73	453.29	0.00	0.00
53.25		115.44	280.74	0.00	0.00
54.00		69.01	88.83	0.00	0.00
56.00		183.75	235.33	0.00	0.00
58.00		182.65	233.09	0.00	0.00
60.00		181.48	230.84	0.00	0.00
62.00		180.24	228.60	0.00	0.00
64.00		178.94	226.35	0.00	0.00
66.00		177.58	224.11	0.00	0.00
68.00		176.16	221.86	0.00	0.00
70.00		174.68	219.62	0.00	0.00
72.00		173.15	217.37	0.00	0.00
74.00		171.57	215.13	0.00	0.00
76.00		169.95	212.88	0.00	0.00
78.00		168.27	210.64	0.00	0.00
80.00		166.55	208.39	0.00	0.00
82.00		164.78	206.15	0.00	0.00
84.00		162.97	203.90	0.00	0.00
86.00		161.13	201.66	0.00	0.00
88.00		159.24	199.41	0.00	0.00

Total Applied Force Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 25

90.00		157.31	197.17	0.00	0.00
92.00		155.34	194.92	0.00	0.00
94.00		153.34	192.68	0.00	0.00
96.00	(30) attachments	3315.86	2368.67	0.00	0.00
98.00		149.24	163.74	0.00	0.00
98.75		55.35	60.83	0.00	0.00
100.00		93.02	157.55	0.00	0.00
102.00		147.22	248.88	0.00	0.00
104.00		145.07	129.82	0.00	0.00
106.00	(51) attachments	5063.48	3825.71	0.00	0.00
108.00		140.66	115.29	0.00	0.00
110.00		138.41	113.61	0.00	0.00
112.00		136.13	111.92	0.00	0.00
114.00		133.82	110.24	0.00	0.00
116.00		131.49	108.56	0.00	0.00
118.00		129.13	106.87	0.00	0.00
120.00		126.75	105.19	0.00	0.00
122.00		124.34	103.51	0.00	0.00
124.00		121.90	101.82	0.00	0.00
126.00	(17) attachments	2203.40	1426.01	0.00	0.00
128.00		116.95	94.87	0.00	0.00
130.00		114.45	93.19	0.00	0.00
132.00		111.92	91.50	0.00	0.00
134.00		109.36	89.82	0.00	0.00
136.00	(33) attachments	4345.68	3641.79	0.00	0.00
138.00		104.19	61.68	0.00	0.00
139.00	(1) attachments	70.66	36.06	0.00	58.75
	Totals:	**25,698.09**	**26,608.33**	**0.00**	**58.75**

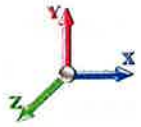
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.49
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	1.87
4.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.49
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	1.87
6.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.49
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	1.87
8.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.49
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	1.87
10.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.49
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	1.87
12.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.49
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	1.87
14.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	0.49
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.183	0.00	1.87
16.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.923	0.00	0.49
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	29.923	0.00	1.87
18.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	30.632	0.00	0.49
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	30.632	0.00	1.87
20.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	31.284	0.00	0.49
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	31.284	0.00	1.87
22.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	31.889	0.00	0.49
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	31.889	0.00	1.87
24.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	32.454	0.00	0.49
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	32.454	0.00	1.87
26.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	32.984	0.00	0.49
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	32.984	0.00	1.87
28.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	33.484	0.00	0.49
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	33.484	0.00	1.87
30.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	33.958	0.00	0.49
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	33.958	0.00	1.87
32.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.407	0.00	0.49
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.407	0.00	1.87
34.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.836	0.00	0.49
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	34.836	0.00	1.87
36.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.246	0.00	0.49
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.246	0.00	1.87
38.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.639	0.00	0.49
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	35.639	0.00	1.87
40.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.016	0.00	0.49
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.016	0.00	1.87
42.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.379	0.00	0.49
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.379	0.00	1.87
44.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.729	0.00	0.49
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	36.729	0.00	1.87
46.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	37.067	0.00	0.49
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	37.067	0.00	1.87
48.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	37.393	0.00	0.49

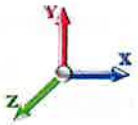
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 27	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	37.393	0.00	1.87
48.50	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.000	0.000	37.473	0.00	0.12
48.50	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.000	0.000	37.473	0.00	0.47
50.00	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.000	0.000	37.710	0.00	0.37
50.00	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.000	0.000	37.710	0.00	1.40
52.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.016	0.00	0.49
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.016	0.00	1.87
53.25	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	38.203	0.00	0.31
53.25	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	38.203	0.00	1.17
54.00	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	38.314	0.00	0.18
54.00	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	38.314	0.00	0.70
56.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.603	0.00	0.49
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.603	0.00	1.87
58.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.884	0.00	0.49
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	38.884	0.00	1.87
60.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.158	0.00	0.49
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.158	0.00	1.87
62.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.425	0.00	0.49
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.425	0.00	1.87
64.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.685	0.00	0.49
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.685	0.00	1.87
66.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.939	0.00	0.49
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	39.939	0.00	1.87
68.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.188	0.00	0.49
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.188	0.00	1.87
70.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.430	0.00	0.49
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.430	0.00	1.87
72.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.667	0.00	0.49
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.667	0.00	1.87
74.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.899	0.00	0.49
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	40.899	0.00	1.87
76.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.126	0.00	0.49
76.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.126	0.00	1.87
78.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.349	0.00	0.49
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.349	0.00	1.87
80.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.567	0.00	0.49
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.567	0.00	1.87
82.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.781	0.00	0.49
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.781	0.00	1.87
84.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.991	0.00	0.49
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	41.991	0.00	1.87
86.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.197	0.00	0.49
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.197	0.00	1.87
88.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.400	0.00	0.49
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.400	0.00	1.87
90.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.599	0.00	0.49
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.599	0.00	1.87

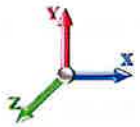
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 28	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
92.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.794	0.00	0.49
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.794	0.00	1.87
94.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.986	0.00	0.49
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	42.986	0.00	1.87
96.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.175	0.00	0.49
96.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.175	0.00	1.87
98.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.361	0.00	0.49
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.361	0.00	1.87
98.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	43.430	0.00	0.18
98.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	43.430	0.00	0.70
100.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	43.544	0.00	0.31
100.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	43.544	0.00	1.17
102.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.724	0.00	0.49
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.724	0.00	1.87
104.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.901	0.00	0.49
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	43.901	0.00	1.87
106.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.076	0.00	0.49
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.076	0.00	1.87
108.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.248	0.00	0.49
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.248	0.00	1.87
110.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.418	0.00	0.49
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.418	0.00	1.87
112.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.585	0.00	0.49
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.585	0.00	1.87
114.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.750	0.00	0.49
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.750	0.00	1.87
116.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.913	0.00	0.49
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	44.913	0.00	1.87
118.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.074	0.00	0.49
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.074	0.00	1.87
120.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.232	0.00	0.49
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.232	0.00	1.87
122.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.388	0.00	0.49
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.388	0.00	1.87
124.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.543	0.00	0.49
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.543	0.00	1.87
126.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.695	0.00	0.49
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.695	0.00	1.87
128.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.846	0.00	0.49
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.846	0.00	1.87
130.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.995	0.00	0.49
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	45.995	0.00	1.87
132.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.142	0.00	0.49
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.142	0.00	1.87
134.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.287	0.00	0.49
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.287	0.00	1.87
136.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.430	0.00	0.49

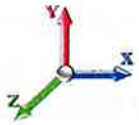
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 29	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.430	0.00	1.87
138.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.572	0.00	0.49
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	46.572	0.00	1.87
139.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	46.642	0.00	0.25
139.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	46.642	0.00	0.94
										Totals:	**0.0**	**164.3**

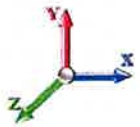
Calculated Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 30	

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 30

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 Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-26.58	-25.72	0.00	-2510.4	0.00	2510.49	3003.53	816.68	3179.09	2902.93	0.00	0.000	0.000	0.875
2.00	-26.18	-25.59	0.00	-2459.0	0.00	2459.04	2986.67	808.64	3116.80	2858.03	0.02	-0.109	0.000	0.870
4.00	-25.79	-25.45	0.00	-2407.8	0.00	2407.87	2969.56	800.60	3055.12	2813.21	0.09	-0.219	0.000	0.866
6.00	-25.40	-25.32	0.00	-2356.9	0.00	2356.96	2952.19	792.56	2994.06	2768.48	0.21	-0.331	0.000	0.861
8.00	-25.01	-25.18	0.00	-2306.3	0.00	2306.33	2934.57	784.52	2933.61	2723.85	0.37	-0.443	0.000	0.856
10.00	-24.62	-25.05	0.00	-2255.9	0.00	2255.97	2916.70	776.48	2873.79	2679.32	0.58	-0.556	0.000	0.851
12.00	-24.24	-24.92	0.00	-2205.8	0.00	2205.87	2898.58	768.44	2814.57	2634.90	0.84	-0.670	0.000	0.847
14.00	-23.85	-24.79	0.00	-2156.0	0.00	2156.03	2880.20	760.40	2755.98	2590.61	1.15	-0.785	0.000	0.842
16.00	-23.48	-24.65	0.00	-2106.4	0.00	2106.46	2861.57	752.36	2698.00	2546.44	1.50	-0.901	0.000	0.836
18.00	-23.10	-24.51	0.00	-2057.1	0.00	2057.16	2842.69	744.31	2640.64	2502.41	1.90	-1.018	0.000	0.831
20.00	-22.73	-24.37	0.00	-2008.1	0.00	2008.14	2823.56	736.27	2583.89	2458.52	2.36	-1.136	0.000	0.826
22.00	-22.36	-24.23	0.00	-1959.4	0.00	1959.40	2804.17	728.23	2527.76	2414.78	2.86	-1.255	0.000	0.821
24.00	-22.00	-24.08	0.00	-1910.9	0.00	1910.94	2784.53	720.19	2472.25	2371.19	3.41	-1.375	0.000	0.815
26.00	-21.63	-23.93	0.00	-1862.7	0.00	1862.78	2764.64	712.15	2417.35	2327.77	4.01	-1.496	0.000	0.809
28.00	-21.28	-23.78	0.00	-1814.9	0.00	1814.91	2744.49	704.11	2363.07	2284.52	4.67	-1.618	0.000	0.803
30.00	-20.92	-23.63	0.00	-1767.3	0.00	1767.34	2724.09	696.07	2309.41	2241.44	5.37	-1.741	0.000	0.797
32.00	-20.57	-23.48	0.00	-1720.0	0.00	1720.08	2703.44	688.03	2256.36	2198.55	6.13	-1.865	0.000	0.791
34.00	-20.22	-23.33	0.00	-1673.1	0.00	1673.12	2682.53	679.99	2203.93	2155.86	6.94	-1.990	0.000	0.785
36.00	-19.87	-23.17	0.00	-1626.4	0.00	1626.46	2661.38	671.95	2152.11	2113.36	7.80	-2.115	0.000	0.778
38.00	-19.53	-23.02	0.00	-1580.1	0.00	1580.11	2639.97	663.90	2100.91	2071.07	8.71	-2.242	0.000	0.772
40.00	-19.19	-22.86	0.00	-1534.0	0.00	1534.08	2618.30	655.86	2050.33	2029.00	9.68	-2.369	0.000	0.765
42.00	-18.85	-22.71	0.00	-1488.3	0.00	1488.36	2596.39	647.82	2000.36	1987.14	10.70	-2.498	0.000	0.757
44.00	-18.52	-22.55	0.00	-1442.9	0.00	1442.94	2574.22	639.78	1951.01	1945.52	11.77	-2.627	0.000	0.750
46.00	-18.19	-22.39	0.00	-1397.8	0.00	1397.85	2551.80	631.74	1902.28	1904.13	12.90	-2.757	0.000	0.742
48.00	-17.88	-22.22	0.00	-1353.0	0.00	1353.07	2529.12	623.70	1854.16	1862.98	14.08	-2.887	0.000	0.735
48.50	-17.79	-22.19	0.00	-1341.9	0.00	1341.96	2523.41	621.69	1842.23	1852.74	14.39	-2.921	0.000	0.733
50.00	-17.41	-22.07	0.00	-1308.6	0.00	1308.68	2506.19	615.66	1806.66	1822.09	15.32	-3.020	0.000	0.726
52.00	-16.92	-21.89	0.00	-1264.5	0.00	1264.54	2483.01	607.62	1759.78	1781.45	16.61	-3.152	0.000	0.718
53.25	-16.62	-21.78	0.00	-1237.1	0.00	1237.18	1850.79	489.91	1429.99	1340.72	17.45	-3.235	0.000	0.934
54.00	-16.50	-21.73	0.00	-1220.8	0.00	1220.85	1845.26	487.50	1415.95	1330.10	17.96	-3.286	0.000	0.929
56.00	-16.21	-21.58	0.00	-1177.3	0.00	1177.38	1830.37	481.06	1378.82	1301.83	19.37	-3.444	0.000	0.915
58.00	-15.93	-21.43	0.00	-1134.2	0.00	1134.22	1815.22	474.63	1342.20	1273.66	20.85	-3.603	0.000	0.901
60.00	-15.66	-21.28	0.00	-1091.3	0.00	1091.36	1799.82	468.20	1306.06	1245.62	22.39	-3.763	0.000	0.887
62.00	-15.38	-21.13	0.00	-1048.8	0.00	1048.81	1784.16	461.76	1270.42	1217.69	24.00	-3.923	0.000	0.872
64.00	-15.11	-20.97	0.00	-1006.5	0.00	1006.56	1768.26	455.33	1235.27	1189.90	25.68	-4.083	0.000	0.857
66.00	-14.84	-20.82	0.00	-964.61	0.00	964.61	1752.10	448.90	1200.61	1162.24	27.42	-4.243	0.000	0.841
68.00	-14.57	-20.67	0.00	-922.97	0.00	922.97	1735.69	442.47	1166.45	1134.73	29.23	-4.403	0.000	0.824
70.00	-14.31	-20.52	0.00	-881.63	0.00	881.63	1719.02	436.03	1132.78	1107.37	31.11	-4.562	0.000	0.807
72.00	-14.05	-20.37	0.00	-840.60	0.00	840.60	1702.10	429.60	1099.60	1080.16	33.05	-4.721	0.000	0.789
74.00	-13.80	-20.22	0.00	-799.87	0.00	799.87	1684.93	423.17	1066.92	1053.13	35.06	-4.880	0.000	0.770
76.00	-13.55	-20.07	0.00	-759.43	0.00	759.43	1667.51	416.73	1034.73	1026.26	37.14	-5.038	0.000	0.750
78.00	-13.30	-19.92	0.00	-719.30	0.00	719.30	1649.83	410.30	1003.03	999.58	39.28	-5.194	0.000	0.730
80.00	-13.05	-19.77	0.00	-679.47	0.00	679.47	1631.90	403.87	971.82	973.09	41.49	-5.349	0.000	0.709
82.00	-12.81	-19.62	0.00	-639.94	0.00	639.94	1613.72	397.44	941.11	946.79	43.76	-5.503	0.000	0.686
84.00	-12.57	-19.47	0.00	-600.71	0.00	600.71	1595.28	391.00	910.89	920.69	46.09	-5.654	0.000	0.663
86.00	-12.34	-19.32	0.00	-561.78	0.00	561.78	1576.59	384.57	881.17	894.80	48.49	-5.803	0.000	0.638
88.00	-12.11	-19.17	0.00	-523.14	0.00	523.14	1557.65	378.14	851.94	869.13	50.95	-5.950	0.000	0.612
90.00	-11.88	-19.02	0.00	-484.80	0.00	484.80	1538.46	371.71	823.20	843.69	53.47	-6.093	0.000	0.585

Calculated Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 31

92.00	-11.66	-18.88	0.00	-446.75	0.00	446.75	1519.01	365.27	794.95	818.47	56.05	-6.232	0.000	0.556
94.00	-11.44	-18.73	0.00	-409.00	0.00	409.00	1499.31	358.84	767.20	793.50	58.68	-6.366	0.000	0.526
96.00	-9.42	-15.19	0.00	-371.55	0.00	371.55	1479.36	352.41	739.94	768.77	61.37	-6.496	0.000	0.492
98.00	-9.26	-15.04	0.00	-341.17	0.00	341.17	1459.16	345.97	713.17	744.29	64.12	-6.620	0.000	0.467
98.75	-9.19	-14.98	0.00	-329.90	0.00	329.90	1451.52	343.56	703.26	735.18	65.16	-6.667	0.000	0.457
100.00	-9.02	-14.89	0.00	-311.17	0.00	311.17	1437.39	339.54	686.90	719.42	66.91	-6.743	0.000	0.441
102.00	-8.76	-14.73	0.00	-281.39	0.00	281.39	990.34	254.40	514.14	496.43	69.75	-6.859	0.000	0.579
104.00	-8.61	-14.59	0.00	-251.93	0.00	251.93	978.09	249.58	494.83	480.92	72.64	-6.969	0.000	0.536
106.00	-5.42	-9.11	0.00	-222.76	0.00	222.76	965.60	244.75	475.88	465.53	75.58	-7.101	0.000	0.486
108.00	-5.30	-8.96	0.00	-204.55	0.00	204.55	952.85	239.93	457.30	450.26	78.58	-7.226	0.000	0.461
110.00	-5.19	-8.82	0.00	-186.62	0.00	186.62	939.85	235.10	439.10	435.11	81.62	-7.349	0.000	0.436
112.00	-5.08	-8.68	0.00	-168.98	0.00	168.98	926.60	230.28	421.26	420.10	84.72	-7.467	0.000	0.409
114.00	-4.97	-8.55	0.00	-151.61	0.00	151.61	913.09	225.45	403.79	405.23	87.86	-7.580	0.000	0.381
116.00	-4.86	-8.41	0.00	-134.52	0.00	134.52	899.33	220.63	386.70	390.51	91.05	-7.687	0.000	0.351
118.00	-4.76	-8.28	0.00	-117.70	0.00	117.70	885.32	215.80	369.97	375.94	94.29	-7.789	0.000	0.320
120.00	-4.66	-8.14	0.00	-101.14	0.00	101.14	871.06	210.98	353.61	361.54	97.56	-7.882	0.000	0.287
122.00	-4.56	-8.01	0.00	-84.86	0.00	84.86	856.54	206.16	337.63	347.31	100.87	-7.968	0.000	0.251
124.00	-4.47	-7.88	0.00	-68.83	0.00	68.83	841.77	201.33	322.01	333.26	104.22	-8.043	0.000	0.213
126.00	-3.36	-5.50	0.00	-53.07	0.00	53.07	826.75	196.51	306.76	319.39	107.59	-8.108	0.000	0.171
128.00	-3.28	-5.38	0.00	-42.06	0.00	42.06	811.45	191.68	291.88	305.71	110.99	-8.162	0.000	0.142
130.00	-3.20	-5.25	0.00	-31.30	0.00	31.30	791.03	186.86	277.37	290.44	114.40	-8.207	0.000	0.113
132.00	-3.12	-5.13	0.00	-20.79	0.00	20.79	770.61	182.03	263.24	275.56	117.84	-8.241	0.000	0.080
134.00	-3.05	-5.01	0.00	-10.53	0.00	10.53	750.18	177.21	249.47	261.07	121.28	-8.264	0.000	0.045
136.00	-0.07	-0.19	0.00	-0.51	0.00	0.51	729.76	172.38	236.07	246.97	124.74	-8.272	0.000	0.002
138.00	-0.03	-0.08	0.00	-0.13	0.00	0.13	709.33	167.56	223.04	233.27	128.19	-8.273	0.000	0.001
139.00	0.00	-0.07	0.00	-0.06	0.00	0.06	699.12	165.15	216.66	226.56	129.92	-8.273	0.000	0.000

Wind Loading - Shaft

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

SBA

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 28

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	0.85	5.067	5.57	0.00	1.200	0.705	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	5.067	5.57	0.00	1.200	0.787	2.00	8.216	9.86	54.9	93.8	471.9
4.00		1.00	0.85	5.067	5.57	0.00	1.200	0.828	2.00	8.152	9.78	54.5	97.8	472.2
6.00		1.00	0.85	5.067	5.57	0.00	1.200	0.856	2.00	8.083	9.70	54.1	100.2	470.9
8.00		1.00	0.85	5.067	5.57	0.00	1.200	0.878	2.00	8.012	9.61	53.6	101.8	468.7
10.00		1.00	0.85	5.067	5.57	0.00	1.200	0.896	2.00	7.940	9.53	53.1	102.9	466.1
12.00		1.00	0.85	5.067	5.57	0.00	1.200	0.911	2.00	7.867	9.44	52.6	103.6	463.0
14.00		1.00	0.85	5.067	5.57	0.00	1.200	0.924	2.00	7.793	9.35	52.1	104.0	459.7
16.00		1.00	0.87	5.195	5.71	0.00	1.200	0.936	2.00	7.719	9.26	52.9	104.3	456.3
18.00		1.00	0.89	5.318	5.85	0.00	1.200	0.946	2.00	7.644	9.17	53.7	104.4	452.6
20.00		1.00	0.91	5.431	5.97	0.00	1.200	0.956	2.00	7.569	9.08	54.3	104.3	448.8
22.00		1.00	0.93	5.536	6.09	0.00	1.200	0.965	2.00	7.494	8.99	54.8	104.2	444.9
24.00		1.00	0.95	5.634	6.20	0.00	1.200	0.973	2.00	7.418	8.90	55.2	104.0	441.0
26.00		1.00	0.96	5.726	6.30	0.00	1.200	0.980	2.00	7.343	8.81	55.5	103.7	436.9
28.00		1.00	0.98	5.813	6.39	0.00	1.200	0.987	2.00	7.267	8.72	55.8	103.3	432.8
30.00		1.00	0.99	5.895	6.48	0.00	1.200	0.994	2.00	7.191	8.63	56.0	102.8	428.6
32.00		1.00	1.00	5.974	6.57	0.00	1.200	1.000	2.00	7.115	8.54	56.1	102.3	424.4
34.00		1.00	1.01	6.048	6.65	0.00	1.200	1.006	2.00	7.038	8.45	56.2	101.8	420.1
36.00		1.00	1.03	6.119	6.73	0.00	1.200	1.012	2.00	6.962	8.35	56.2	101.2	415.7
38.00		1.00	1.04	6.187	6.81	0.00	1.200	1.017	2.00	6.886	8.26	56.2	100.6	411.4
40.00		1.00	1.05	6.253	6.88	0.00	1.200	1.022	2.00	6.809	8.17	56.2	99.9	407.0
42.00		1.00	1.06	6.316	6.95	0.00	1.200	1.027	2.00	6.733	8.08	56.1	99.2	402.5
44.00		1.00	1.07	6.377	7.01	0.00	1.200	1.032	2.00	6.656	7.99	56.0	98.5	398.1
46.00		1.00	1.08	6.435	7.08	0.00	1.200	1.036	2.00	6.579	7.90	55.9	97.7	393.6
48.00		1.00	1.09	6.492	7.14	0.00	1.200	1.040	2.00	6.503	7.80	55.7	96.9	389.0
48.50	Bot - Section 2	1.00	1.09	6.506	7.16	0.00	1.200	1.041	0.50	1.614	1.94	13.9	24.2	96.6
50.00		1.00	1.10	6.547	7.20	0.00	1.200	1.044	1.50	4.876	5.85	42.1	73.1	464.5
52.00		1.00	1.11	6.600	7.26	0.00	1.200	1.049	2.00	6.434	7.72	56.1	96.6	612.6
53.25	Top - Section 1	1.00	1.11	6.633	7.30	0.00	1.200	1.051	1.25	3.982	4.78	34.9	60.0	379.1
54.00		1.00	1.12	6.652	7.32	0.00	1.200	1.052	0.75	2.375	2.85	20.9	35.9	121.2
56.00		1.00	1.12	6.702	7.37	0.00	1.200	1.056	2.00	6.280	7.54	55.6	94.9	320.2
58.00		1.00	1.13	6.751	7.43	0.00	1.200	1.060	2.00	6.203	7.44	55.3	94.0	316.3
60.00		1.00	1.14	6.798	7.48	0.00	1.200	1.063	2.00	6.126	7.35	55.0	93.1	312.4
62.00		1.00	1.15	6.845	7.53	0.00	1.200	1.067	2.00	6.049	7.26	54.7	92.2	308.5
64.00		1.00	1.16	6.890	7.58	0.00	1.200	1.070	2.00	5.972	7.17	54.3	91.2	304.6
66.00		1.00	1.16	6.934	7.63	0.00	1.200	1.073	2.00	5.895	7.07	54.0	90.3	300.6
68.00		1.00	1.17	6.977	7.67	0.00	1.200	1.077	2.00	5.818	6.98	53.6	89.3	296.7
70.00		1.00	1.18	7.019	7.72	0.00	1.200	1.080	2.00	5.740	6.89	53.2	88.3	292.7
72.00		1.00	1.18	7.060	7.77	0.00	1.200	1.083	2.00	5.663	6.80	52.8	87.3	288.7
74.00		1.00	1.19	7.101	7.81	0.00	1.200	1.086	2.00	5.586	6.70	52.4	86.3	284.7
76.00		1.00	1.20	7.140	7.85	0.00	1.200	1.088	2.00	5.509	6.61	51.9	85.3	280.7
78.00		1.00	1.20	7.179	7.90	0.00	1.200	1.091	2.00	5.432	6.52	51.5	84.2	276.6
80.00		1.00	1.21	7.217	7.94	0.00	1.200	1.094	2.00	5.354	6.43	51.0	83.2	272.6
82.00		1.00	1.22	7.254	7.98	0.00	1.200	1.097	2.00	5.277	6.33	50.5	82.1	268.5
84.00		1.00	1.22	7.290	8.02	0.00	1.200	1.099	2.00	5.200	6.24	50.0	81.0	264.5
86.00		1.00	1.23	7.326	8.06	0.00	1.200	1.102	2.00	5.122	6.15	49.5	80.0	260.4
88.00		1.00	1.23	7.361	8.10	0.00	1.200	1.104	2.00	5.045	6.05	49.0	78.9	256.3

Wind Loading - Shaft

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 33

90.00	1.00	1.24	7.396	8.14	0.00	1.200	1.107	2.00	4.968	5.96	48.5	77.8	252.2
92.00	1.00	1.25	7.430	8.17	0.00	1.200	1.109	2.00	4.890	5.87	48.0	76.7	248.1
94.00	1.00	1.25	7.463	8.21	0.00	1.200	1.112	2.00	4.813	5.78	47.4	75.5	244.0
96.00 Appurtenance(s)	1.00	1.26	7.496	8.25	0.00	1.200	1.114	2.00	4.736	5.68	46.9	74.4	239.9
98.00	1.00	1.26	7.528	8.28	0.00	1.200	1.116	2.00	4.658	5.59	46.3	73.3	235.8
98.75 Bot - Section 3	1.00	1.26	7.540	8.29	0.00	1.200	1.117	0.75	1.727	2.07	17.2	27.3	87.5
100.00	1.00	1.27	7.560	8.32	0.00	1.200	1.118	1.25	2.893	3.47	28.9	45.7	220.9
102.00 Top - Section 2	1.00	1.27	7.591	8.35	0.00	1.200	1.121	2.00	4.567	5.48	45.8	72.0	348.1
104.00	1.00	1.28	7.622	8.38	0.00	1.200	1.123	2.00	4.489	5.39	45.2	70.9	188.1
106.00 Appurtenance(s)	1.00	1.28	7.652	8.42	0.00	1.200	1.125	2.00	4.412	5.29	44.6	69.7	184.7
108.00	1.00	1.29	7.682	8.45	0.00	1.200	1.127	2.00	4.334	5.20	44.0	68.6	181.3
110.00	1.00	1.29	7.711	8.48	0.00	1.200	1.129	2.00	4.257	5.11	43.3	67.4	177.9
112.00	1.00	1.30	7.741	8.51	0.00	1.200	1.131	2.00	4.179	5.02	42.7	66.2	174.5
114.00	1.00	1.30	7.769	8.55	0.00	1.200	1.133	2.00	4.102	4.92	42.1	65.0	171.0
116.00	1.00	1.31	7.797	8.58	0.00	1.200	1.135	2.00	4.024	4.83	41.4	63.8	167.6
118.00	1.00	1.31	7.825	8.61	0.00	1.200	1.137	2.00	3.947	4.74	40.8	62.6	164.2
120.00	1.00	1.32	7.853	8.64	0.00	1.200	1.139	2.00	3.869	4.64	40.1	61.4	160.7
122.00	1.00	1.32	7.880	8.67	0.00	1.200	1.141	2.00	3.792	4.55	39.4	60.2	157.2
124.00	1.00	1.33	7.907	8.70	0.00	1.200	1.142	2.00	3.714	4.46	38.8	59.0	153.8
126.00 Appurtenance(s)	1.00	1.33	7.933	8.73	0.00	1.200	1.144	2.00	3.636	4.36	38.1	57.7	150.3
128.00	1.00	1.34	7.959	8.76	0.00	1.200	1.146	2.00	3.559	4.27	37.4	56.5	146.8
130.00	1.00	1.34	7.985	8.78	0.00	1.200	1.148	2.00	3.481	4.18	36.7	55.3	143.3
132.00	1.00	1.34	8.011	8.81	0.00	1.200	1.150	2.00	3.404	4.08	36.0	54.0	139.9
134.00	1.00	1.35	8.036	8.84	0.00	1.200	1.151	2.00	3.326	3.99	35.3	52.8	136.4
136.00 Appurtenance(s)	1.00	1.35	8.061	8.87	0.00	1.200	1.153	2.00	3.248	3.90	34.6	51.5	132.9
138.00	1.00	1.36	8.085	8.89	0.00	1.200	1.155	2.00	3.171	3.81	33.8	50.3	129.4
139.00 Appurtenance(s)	1.00	1.36	8.098	8.91	0.00	1.200	1.155	1.00	1.556	1.87	16.6	24.8	63.5
							Totals:	**139.00**			**3,439.1**		**21,855.4**

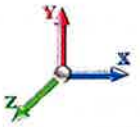
Discrete Appurtenance Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	139.00	6' Lightning rod	1	8.134	8.947	1.00	1.00	1.10	26.53	0.000	3.000	9.84	0.00	29.53
2	136.00	4449 B71+B85	3	8.061	8.867	0.54	0.80	3.20	375.76	0.000	0.000	28.40	0.00	0.00
3	136.00	KRY 112 144/1	3	8.061	8.867	0.40	0.80	0.87	51.67	0.000	0.000	7.70	0.00	0.00
4	136.00	RFS	3	8.061	8.867	0.56	0.80	36.09	1253.67	0.000	0.000	319.97	0.00	0.00
5	136.00	Air 32	3	8.061	8.867	0.70	0.80	15.22	818.93	0.000	0.000	134.98	0.00	0.00
6	136.00	AIR6449 B41	3	8.061	8.867	0.57	0.80	10.70	547.46	0.000	0.000	94.86	0.00	0.00
7	136.00	4415 B25	3	8.061	8.867	0.40	0.80	2.66	276.05	0.000	0.000	23.60	0.00	0.00
8	136.00	RDS-272	3	8.061	8.867	0.75	0.75	14.29	3959.45	0.000	0.000	126.75	0.00	0.00
9	136.00	Mount Pipes	9	8.061	8.867	0.80	0.80	17.14	-3183.54	0.000	0.000	151.97	0.00	0.00
10	136.00	SDX1926Q-43	3	8.061	8.867	0.40	0.80	0.82	36.01	0.000	0.000	7.25	0.00	0.00
11	126.00	Commscope	3	7.933	8.727	0.59	0.80	23.43	467.19	0.000	0.000	204.46	0.00	0.00
12	126.00	(1) 8'x2.875" mount pipe	3	7.933	8.727	1.00	1.00	12.77	366.84	0.000	0.000	111.47	0.00	0.00
13	126.00	Collar Mount (3-Sided)	1	7.933	8.727	1.00	1.00	5.90	826.36	0.000	0.000	51.51	0.00	0.00
14	126.00	Fujitsu TA08025-B605 -	3	7.933	8.727	0.54	0.80	3.74	335.08	0.000	0.000	32.66	0.00	0.00
15	126.00	Fujitsu TA08025-B604 -	3	7.933	8.727	0.54	0.80	3.74	293.33	0.000	0.000	32.66	0.00	0.00
16	126.00	Raycap	1	7.933	8.727	0.80	0.80	1.91	48.49	0.000	0.000	16.63	0.00	0.00
17	126.00	side arm	3	7.933	8.727	1.00	1.00	2.38	33.44	0.000	0.000	20.75	0.00	0.00
18	106.00	EPBQ-652L8H6-L2	3	7.652	8.417	0.56	0.80	23.85	730.23	0.000	0.000	200.79	0.00	0.00
19	106.00	DC6-48-60-18-8F	2	7.652	8.417	0.40	0.80	4.31	206.53	0.000	0.000	36.27	0.00	0.00
20	106.00	RRUS-32	3	7.652	8.417	0.54	0.80	6.12	375.84	0.000	0.000	51.49	0.00	0.00
21	106.00	RRUS A2	3	7.652	8.417	0.54	0.80	3.94	144.39	0.000	0.000	33.13	0.00	0.00
22	106.00	RRUS 4449 B5/B12	3	7.652	8.417	0.40	0.80	4.79	485.40	0.000	0.000	40.33	0.00	0.00
23	106.00	OPA65R-BU6DA	3	7.652	8.417	0.68	0.80	27.85	757.64	0.000	0.000	234.44	0.00	0.00
24	106.00	Double T-Arm	3	7.652	8.417	0.75	0.75	11.26	-3537.34	0.000	0.000	94.74	0.00	0.00
25	106.00	Mount Pipes	12	7.652	8.417	0.80	0.80	20.04	-33478.0	0.000	0.000	168.72	0.00	0.00
26	106.00	AIR 6449 B77D	3	7.652	8.417	0.62	0.80	8.53	389.49	0.000	0.000	71.82	0.00	0.00
27	106.00	DC9-48-60-24-8C-EV	1	7.652	8.417	0.40	0.80	2.14	93.27	0.000	0.000	18.03	0.00	0.00
28	106.00	DTMABP7819VG12A	3	7.652	8.417	0.40	0.80	1.49	93.43	0.000	0.000	12.52	0.00	0.00
29	106.00	4426 B66	3	7.652	8.417	0.54	0.80	5.13	323.90	0.000	0.000	43.19	0.00	0.00
30	106.00	RRUS 4415 B25	3	7.652	8.417	0.54	0.80	3.52	226.07	0.000	0.000	29.62	0.00	0.00
31	106.00	RRUS 4478 B14	3	7.652	8.417	0.54	0.80	3.84	289.87	0.000	0.000	32.30	0.00	0.00
32	106.00	DBC20056F1V1	3	7.652	8.417	0.40	0.80	0.59	36.16	0.000	0.000	4.95	0.00	0.00
33	96.00	Samsung B2/B66A	3	7.496	8.245	0.54	0.80	3.58	310.36	0.000	0.000	29.53	0.00	0.00
34	96.00	JMA MX06FRO660-03	6	7.496	8.245	0.76	0.80	40.81	859.73	0.000	0.000	336.46	0.00	0.00
35	96.00	Samsung 64T64R	3	7.496	8.245	0.57	0.80	8.99	458.45	0.000	0.000	74.13	0.00	0.00
36	96.00	Samsung B5/B13	3	7.496	8.245	0.54	0.80	3.58	295.37	0.000	0.000	29.53	0.00	0.00
37	96.00	T-Arms	3	7.496	8.245	0.75	0.75	10.86	1517.82	0.000	0.000	89.54	0.00	0.00
38	96.00	Commscope	1	7.496	8.245	0.40	0.80	2.14	119.48	0.000	0.000	17.62	0.00	0.00
39	96.00	Mount Pipes	9	7.496	8.245	0.75	0.75	8.72	-3095.70	0.000	0.000	71.92	0.00	0.00
40	96.00	Kaelus BSF0020F3V1-1	2	7.496	8.245	0.54	0.80	1.30	1.25	0.000	0.000	10.73	0.00	0.00
							Totals:		**-25,863.63**			**3,107.29**		

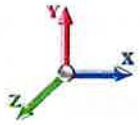
Total Applied Force Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 35

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		54.95	564.69	0.00	0.00
4.00		54.52	565.38	0.00	0.00
6.00		54.06	564.33	0.00	0.00
8.00		53.58	562.39	0.00	0.00
10.00		53.10	559.89	0.00	0.00
12.00		52.61	557.02	0.00	0.00
14.00		52.12	553.87	0.00	0.00
16.00		52.93	550.50	0.00	0.00
18.00		53.66	546.97	0.00	0.00
20.00		54.26	543.30	0.00	0.00
22.00		54.76	539.51	0.00	0.00
24.00		55.17	535.62	0.00	0.00
26.00		55.50	531.65	0.00	0.00
28.00		55.76	527.60	0.00	0.00
30.00		55.96	523.49	0.00	0.00
32.00		56.10	519.32	0.00	0.00
34.00		56.19	515.10	0.00	0.00
36.00		56.24	510.83	0.00	0.00
38.00		56.24	506.52	0.00	0.00
40.00		56.20	502.18	0.00	0.00
42.00		56.13	497.79	0.00	0.00
44.00		56.02	493.37	0.00	0.00
46.00		55.89	488.92	0.00	0.00
48.00		55.72	484.45	0.00	0.00
48.50		13.86	120.48	0.00	0.00
50.00		42.13	536.06	0.00	0.00
52.00		56.05	708.07	0.00	0.00
53.25		34.86	438.81	0.00	0.00
54.00		20.85	157.02	0.00	0.00
56.00		55.56	415.84	0.00	0.00
58.00		55.27	412.00	0.00	0.00
60.00		54.97	408.14	0.00	0.00
62.00		54.65	404.26	0.00	0.00
64.00		54.31	400.36	0.00	0.00
66.00		53.95	396.45	0.00	0.00
68.00		53.58	392.52	0.00	0.00
70.00		53.19	388.58	0.00	0.00
72.00		52.78	384.62	0.00	0.00
74.00		52.36	380.65	0.00	0.00
76.00		51.92	376.67	0.00	0.00
78.00		51.47	372.67	0.00	0.00
80.00		51.00	368.67	0.00	0.00
82.00		50.53	364.64	0.00	0.00
84.00		50.04	360.61	0.00	0.00
86.00		49.53	356.57	0.00	0.00
88.00		49.02	352.52	0.00	0.00

Total Applied Force Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 36

90.00		48.50	348.46	0.00	0.00
92.00		47.96	344.38	0.00	0.00
94.00		47.41	340.30	0.00	0.00
96.00	(30) attachments	706.31	802.98	0.00	0.00
98.00		46.29	299.52	0.00	0.00
98.75		17.19	111.39	0.00	0.00
100.00		28.87	260.77	0.00	0.00
102.00		45.76	411.86	0.00	0.00
104.00		45.17	251.98	0.00	0.00
106.00	(51) attachments	1116.90	-32614.53	0.00	0.00
108.00		43.95	230.33	0.00	0.00
110.00		43.33	226.93	0.00	0.00
112.00		42.70	223.53	0.00	0.00
114.00		42.06	220.12	0.00	0.00
116.00		41.42	216.70	0.00	0.00
118.00		40.77	213.28	0.00	0.00
120.00		40.11	209.85	0.00	0.00
122.00		39.44	206.41	0.00	0.00
124.00		38.76	202.97	0.00	0.00
126.00	(17) attachments	508.24	2570.26	0.00	0.00
128.00		37.39	191.29	0.00	0.00
130.00		36.69	187.83	0.00	0.00
132.00		35.99	184.37	0.00	0.00
134.00		35.28	180.89	0.00	0.00
136.00	(33) attachments	930.05	4312.88	0.00	0.00
138.00		33.84	140.91	0.00	0.00
139.00	(1) attachments	26.48	95.84	0.00	29.53
	Totals:	**6,546.43**	**1,612.44**	**0.00**	**29.53**

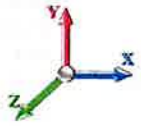
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 37	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	2.65
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	4.84
4.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	2.84
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	5.04
6.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	2.97
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	5.19
8.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	3.08
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	5.30
10.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	3.16
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	5.39
12.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	3.24
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	5.48
14.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	3.30
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.067	0.00	5.55
16.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.195	0.00	3.36
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.195	0.00	5.61
18.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.318	0.00	3.42
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.318	0.00	5.67
20.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.431	0.00	3.47
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.431	0.00	5.72
22.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.536	0.00	3.51
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.536	0.00	5.77
24.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.634	0.00	3.56
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.634	0.00	5.82
26.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.726	0.00	3.60
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.726	0.00	5.86
28.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.813	0.00	3.64
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.813	0.00	5.90
30.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.895	0.00	3.67
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.895	0.00	5.94
32.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.974	0.00	3.71
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	5.974	0.00	5.98
34.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.048	0.00	3.74
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.048	0.00	6.01
36.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.119	0.00	3.77
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.119	0.00	6.04
38.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.187	0.00	3.80
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.187	0.00	6.08
40.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.253	0.00	3.83
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.253	0.00	6.11
42.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.316	0.00	3.85
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.316	0.00	6.14
44.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.377	0.00	3.88
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.377	0.00	6.16
46.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.435	0.00	3.91
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.435	0.00	6.19
48.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.492	0.00	3.93

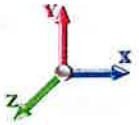
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 38	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.492	0.00	6.22
48.50	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.000	0.000	6.506	0.00	0.98
48.50	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.000	0.000	6.506	0.00	1.56
50.00	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.000	0.000	6.547	0.00	2.97
50.00	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.000	0.000	6.547	0.00	4.68
52.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.600	0.00	3.98
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.600	0.00	6.27
53.25	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	6.633	0.00	2.49
53.25	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	6.633	0.00	3.93
54.00	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	6.652	0.00	1.50
54.00	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	6.652	0.00	2.36
56.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.702	0.00	4.02
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.702	0.00	6.31
58.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.751	0.00	4.04
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.751	0.00	6.34
60.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.798	0.00	4.06
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.798	0.00	6.36
62.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.845	0.00	4.08
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.845	0.00	6.38
64.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.890	0.00	4.10
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.890	0.00	6.40
66.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.934	0.00	4.12
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.934	0.00	6.42
68.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.977	0.00	4.14
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.977	0.00	6.44
70.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.019	0.00	4.16
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.019	0.00	6.46
72.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.060	0.00	4.17
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.060	0.00	6.48
74.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.101	0.00	4.19
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.101	0.00	6.50
76.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.140	0.00	4.21
76.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.140	0.00	6.51
78.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.179	0.00	4.22
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.179	0.00	6.53
80.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.217	0.00	4.24
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.217	0.00	6.55
82.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.254	0.00	4.26
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.254	0.00	6.57
84.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.290	0.00	4.27
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.290	0.00	6.58
86.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.326	0.00	4.29
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.326	0.00	6.60
88.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.361	0.00	4.30
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.361	0.00	6.61
90.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.396	0.00	4.32
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.396	0.00	6.63

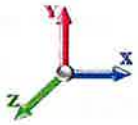
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 39	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
92.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.430	0.00	4.33
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.430	0.00	6.65
94.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.463	0.00	4.35
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.463	0.00	6.66
96.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.496	0.00	4.36
96.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.496	0.00	6.68
98.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.528	0.00	4.37
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.528	0.00	6.69
98.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	7.540	0.00	1.64
98.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	7.540	0.00	2.51
100.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	7.560	0.00	2.74
100.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	7.560	0.00	4.19
102.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.591	0.00	4.40
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.591	0.00	6.72
104.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.622	0.00	4.41
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.622	0.00	6.73
106.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.652	0.00	4.43
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.652	0.00	6.75
108.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.682	0.00	4.44
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.682	0.00	6.76
110.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.711	0.00	4.45
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.711	0.00	6.77
112.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.741	0.00	4.46
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.741	0.00	6.79
114.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.769	0.00	4.48
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.769	0.00	6.80
116.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.797	0.00	4.49
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.797	0.00	6.81
118.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.825	0.00	4.50
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.825	0.00	6.82
120.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.853	0.00	4.51
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.853	0.00	6.84
122.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.880	0.00	4.52
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.880	0.00	6.85
124.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.907	0.00	4.53
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.907	0.00	6.86
126.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.933	0.00	4.55
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.933	0.00	6.87
128.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.959	0.00	4.56
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.959	0.00	6.88
130.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.985	0.00	4.57
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.985	0.00	6.90
132.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.011	0.00	4.58
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.011	0.00	6.91
134.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.036	0.00	4.59
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.036	0.00	6.92
136.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.061	0.00	4.60

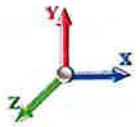
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 40	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.061	0.00	6.93
138.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.085	0.00	4.61
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.085	0.00	6.94
139.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.098	0.00	2.31
139.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	8.098	0.00	3.47
										Totals:	**0.0**	**720.9**

Calculated Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 41	

Load Case: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 28

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 Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-34.23	-6.55	0.00	-617.42	0.00	617.42	3003.53	816.68	3179.09	2902.93	0.00	0.000	0.000	0.224
2.00	-33.66	-6.51	0.00	-604.32	0.00	604.32	2986.67	808.64	3116.80	2858.03	0.01	-0.027	0.000	0.223
4.00	-33.09	-6.47	0.00	-591.29	0.00	591.29	2969.56	800.60	3055.12	2813.21	0.02	-0.054	0.000	0.221
6.00	-32.52	-6.44	0.00	-578.34	0.00	578.34	2952.19	792.56	2994.06	2768.48	0.05	-0.081	0.000	0.220
8.00	-31.96	-6.40	0.00	-565.47	0.00	565.47	2934.57	784.52	2933.61	2723.85	0.09	-0.109	0.000	0.219
10.00	-31.39	-6.36	0.00	-552.67	0.00	552.67	2916.70	776.48	2873.79	2679.32	0.14	-0.136	0.000	0.217
12.00	-30.83	-6.32	0.00	-539.96	0.00	539.96	2898.58	768.44	2814.57	2634.90	0.21	-0.164	0.000	0.216
14.00	-30.28	-6.28	0.00	-527.32	0.00	527.32	2880.20	760.40	2755.98	2590.61	0.28	-0.193	0.000	0.214
16.00	-29.72	-6.24	0.00	-514.76	0.00	514.76	2861.57	752.36	2698.00	2546.44	0.37	-0.221	0.000	0.213
18.00	-29.17	-6.20	0.00	-502.29	0.00	502.29	2842.69	744.31	2640.64	2502.41	0.47	-0.250	0.000	0.211
20.00	-28.63	-6.16	0.00	-489.89	0.00	489.89	2823.56	736.27	2583.89	2458.52	0.58	-0.278	0.000	0.209
22.00	-28.09	-6.11	0.00	-477.58	0.00	477.58	2804.17	728.23	2527.76	2414.78	0.70	-0.307	0.000	0.208
24.00	-27.55	-6.07	0.00	-465.35	0.00	465.35	2784.53	720.19	2472.25	2371.19	0.84	-0.337	0.000	0.206
26.00	-27.01	-6.02	0.00	-453.22	0.00	453.22	2764.64	712.15	2417.35	2327.77	0.98	-0.366	0.000	0.205
28.00	-26.48	-5.98	0.00	-441.17	0.00	441.17	2744.49	704.11	2363.07	2284.52	1.14	-0.396	0.000	0.203
30.00	-25.96	-5.93	0.00	-429.21	0.00	429.21	2724.09	696.07	2309.41	2241.44	1.32	-0.426	0.000	0.201
32.00	-25.43	-5.89	0.00	-417.35	0.00	417.35	2703.44	688.03	2256.36	2198.55	1.50	-0.456	0.000	0.199
34.00	-24.92	-5.84	0.00	-405.58	0.00	405.58	2682.53	679.99	2203.93	2155.86	1.70	-0.486	0.000	0.197
36.00	-24.40	-5.79	0.00	-393.90	0.00	393.90	2661.38	671.95	2152.11	2113.36	1.91	-0.516	0.000	0.196
38.00	-23.89	-5.74	0.00	-382.32	0.00	382.32	2639.97	663.90	2100.91	2071.07	2.13	-0.547	0.000	0.194
40.00	-23.39	-5.69	0.00	-370.84	0.00	370.84	2618.30	655.86	2050.33	2029.00	2.37	-0.578	0.000	0.192
42.00	-22.89	-5.65	0.00	-359.45	0.00	359.45	2596.39	647.82	2000.36	1987.14	2.62	-0.609	0.000	0.190
44.00	-22.39	-5.60	0.00	-348.16	0.00	348.16	2574.22	639.78	1951.01	1945.52	2.88	-0.640	0.000	0.188
46.00	-21.90	-5.55	0.00	-336.97	0.00	336.97	2551.80	631.74	1902.28	1904.13	3.15	-0.671	0.000	0.186
48.00	-21.42	-5.49	0.00	-325.88	0.00	325.88	2529.12	623.70	1854.16	1862.98	3.44	-0.703	0.000	0.183
48.50	-21.29	-5.48	0.00	-323.13	0.00	323.13	2523.41	621.69	1842.23	1852.74	3.51	-0.711	0.000	0.183
50.00	-20.76	-5.44	0.00	-314.91	0.00	314.91	2506.19	615.66	1806.66	1822.09	3.74	-0.735	0.000	0.181
52.00	-20.05	-5.39	0.00	-304.02	0.00	304.02	2483.01	607.62	1759.78	1781.45	4.06	-0.766	0.000	0.179
53.25	-19.61	-5.35	0.00	-297.28	0.00	297.28	1850.79	489.91	1429.99	1340.72	4.26	-0.786	0.000	0.232
54.00	-19.45	-5.34	0.00	-293.27	0.00	293.27	1845.26	487.50	1415.95	1330.10	4.38	-0.799	0.000	0.231
56.00	-19.03	-5.29	0.00	-282.59	0.00	282.59	1830.37	481.06	1378.82	1301.83	4.73	-0.837	0.000	0.228
58.00	-18.61	-5.24	0.00	-272.02	0.00	272.02	1815.22	474.63	1342.20	1273.66	5.09	-0.875	0.000	0.224
60.00	-18.20	-5.19	0.00	-261.54	0.00	261.54	1799.82	468.20	1306.06	1245.62	5.46	-0.913	0.000	0.220
62.00	-17.80	-5.14	0.00	-251.15	0.00	251.15	1784.16	461.76	1270.42	1217.69	5.85	-0.951	0.000	0.216
64.00	-17.39	-5.09	0.00	-240.87	0.00	240.87	1768.26	455.33	1235.27	1189.90	6.26	-0.990	0.000	0.212
66.00	-17.00	-5.04	0.00	-230.69	0.00	230.69	1752.10	448.90	1200.61	1162.24	6.68	-1.028	0.000	0.208
68.00	-16.60	-4.99	0.00	-220.60	0.00	220.60	1735.69	442.47	1166.45	1134.73	7.12	-1.066	0.000	0.204
70.00	-16.21	-4.94	0.00	-210.62	0.00	210.62	1719.02	436.03	1132.78	1107.37	7.58	-1.104	0.000	0.200
72.00	-15.82	-4.89	0.00	-200.73	0.00	200.73	1702.10	429.60	1099.60	1080.16	8.05	-1.142	0.000	0.195
74.00	-15.44	-4.84	0.00	-190.94	0.00	190.94	1684.93	423.17	1066.92	1053.13	8.53	-1.180	0.000	0.191
76.00	-15.06	-4.79	0.00	-181.26	0.00	181.26	1667.51	416.73	1034.73	1026.26	9.04	-1.218	0.000	0.186
78.00	-14.69	-4.74	0.00	-171.67	0.00	171.67	1649.83	410.30	1003.03	999.58	9.55	-1.255	0.000	0.181
80.00	-14.32	-4.69	0.00	-162.18	0.00	162.18	1631.90	403.87	971.82	973.09	10.09	-1.292	0.000	0.176
82.00	-13.95	-4.64	0.00	-152.79	0.00	152.79	1613.72	397.44	941.11	946.79	10.64	-1.329	0.000	0.170
84.00	-13.59	-4.59	0.00	-143.51	0.00	143.51	1595.28	391.00	910.89	920.69	11.20	-1.365	0.000	0.165
86.00	-13.23	-4.54	0.00	-134.32	0.00	134.32	1576.59	384.57	881.17	894.80	11.78	-1.401	0.000	0.159
88.00	-12.88	-4.49	0.00	-125.23	0.00	125.23	1557.65	378.14	851.94	869.13	12.38	-1.436	0.000	0.152
90.00	-12.53	-4.44	0.00	-116.24	0.00	116.24	1538.46	371.71	823.20	843.69	12.98	-1.470	0.000	0.146

Calculated Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 42

92.00	-12.18	-4.39	0.00	-107.36	0.00	107.36	1519.01	365.27	794.95	818.47	13.61	-1.503	0.000	0.139
94.00	-11.84	-4.34	0.00	-98.57	0.00	98.57	1499.31	358.84	767.20	793.50	14.24	-1.536	0.000	0.132
96.00	-11.05	-3.62	0.00	-89.88	0.00	89.88	1479.36	352.41	739.94	768.77	14.89	-1.567	0.000	0.124
98.00	-10.75	-3.57	0.00	-82.64	0.00	82.64	1459.16	345.97	713.17	744.29	15.56	-1.597	0.000	0.119
98.75	-10.64	-3.55	0.00	-79.96	0.00	79.96	1451.52	343.56	703.26	735.18	15.81	-1.608	0.000	0.116
100.00	-10.38	-3.52	0.00	-75.51	0.00	75.51	1437.39	339.54	686.90	719.42	16.23	-1.627	0.000	0.112
102.00	-9.97	-3.47	0.00	-68.47	0.00	68.47	990.34	254.40	514.14	496.43	16.92	-1.655	0.000	0.148
104.00	-9.72	-3.42	0.00	-61.53	0.00	61.53	978.09	249.58	494.83	480.92	17.62	-1.682	0.000	0.138
106.00	-9.75	-2.31	0.00	-54.69	0.00	54.69	965.60	244.75	475.88	465.53	18.33	-1.714	0.000	0.128
108.00	-9.52	-2.27	0.00	-50.06	0.00	50.06	952.85	239.93	457.30	450.26	19.06	-1.745	0.000	0.121
110.00	-9.29	-2.22	0.00	-45.53	0.00	45.53	939.85	235.10	439.10	435.11	19.79	-1.775	0.000	0.115
112.00	-9.07	-2.17	0.00	-41.09	0.00	41.09	926.60	230.28	421.26	420.10	20.54	-1.803	0.000	0.108
114.00	-8.85	-2.13	0.00	-36.75	0.00	36.75	913.09	225.45	403.79	405.23	21.30	-1.831	0.000	0.100
116.00	-8.63	-2.09	0.00	-32.49	0.00	32.49	899.33	220.63	386.70	390.51	22.08	-1.857	0.000	0.093
118.00	-8.42	-2.04	0.00	-28.32	0.00	28.32	885.32	215.80	369.97	375.94	22.86	-1.881	0.000	0.085
120.00	-8.21	-2.00	0.00	-24.23	0.00	24.23	871.06	210.98	353.61	361.54	23.65	-1.904	0.000	0.077
122.00	-8.01	-1.95	0.00	-20.24	0.00	20.24	856.54	206.16	337.63	347.31	24.46	-1.924	0.000	0.068
124.00	-7.80	-1.91	0.00	-16.33	0.00	16.33	841.77	201.33	322.01	333.26	25.27	-1.942	0.000	0.058
126.00	-5.25	-1.32	0.00	-12.51	0.00	12.51	826.75	196.51	306.76	319.39	26.08	-1.958	0.000	0.046
128.00	-5.06	-1.27	0.00	-9.88	0.00	9.88	811.45	191.68	291.88	305.71	26.91	-1.970	0.000	0.039
130.00	-4.88	-1.23	0.00	-7.33	0.00	7.33	791.03	186.86	277.37	290.44	27.73	-1.981	0.000	0.031
132.00	-4.69	-1.19	0.00	-4.87	0.00	4.87	770.61	182.03	263.24	275.56	28.56	-1.989	0.000	0.024
134.00	-4.51	-1.15	0.00	-2.49	0.00	2.49	750.18	177.21	249.47	261.07	29.40	-1.994	0.000	0.016
136.00	-0.23	-0.07	0.00	-0.20	0.00	0.20	729.76	172.38	236.07	246.97	30.23	-1.996	0.000	0.001
138.00	-0.09	-0.03	0.00	-0.06	0.00	0.06	709.33	167.56	223.04	233.27	31.07	-1.996	0.000	0.000
139.00	0.00	-0.03	0.00	-0.03	0.00	0.03	699.12	165.15	216.66	226.56	31.49	-1.996	0.000	0.000

Seismic Segment Forces (Factored)

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 43

SBA

Load Case:	1.2D + 1.0Ev + 1.0Eh							**Iterations**	25
Gust Response Factor	1.10				**Sds**	0.23		**Ss**	0.22
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.28		**SA**	0.03	**Seismic Importance Factor**		1.00

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)	R: 1.50
0.00		0.00	0.00	0.00	0.00	
2.00		403.56	1.00	18.77	0.00	
4.00		400.44	3.00	18.62	0.00	
6.00		397.32	5.00	18.48	0.00	
8.00		394.21	7.00	18.33	0.01	
10.00		391.09	9.00	18.19	0.01	
12.00		387.97	11.00	18.04	0.01	
14.00		384.85	13.00	17.90	0.02	
16.00		381.73	15.00	17.75	0.02	
18.00		378.62	17.00	17.61	0.03	
20.00		375.50	19.00	17.46	0.04	
22.00		372.38	21.00	17.32	0.04	
24.00		369.26	23.00	17.17	0.05	
26.00		366.14	25.00	17.03	0.06	
28.00		363.02	27.00	16.88	0.07	
30.00		359.91	29.00	16.74	0.08	
32.00		356.79	31.00	16.59	0.08	
34.00		353.67	33.00	16.45	0.09	
36.00		350.55	35.00	16.30	0.10	
38.00		347.43	37.00	16.16	0.11	
40.00		344.32	39.00	16.01	0.13	
42.00		341.20	41.00	15.87	0.14	
44.00		338.08	43.00	15.72	0.15	
46.00		334.96	45.00	15.58	0.16	
48.00		331.84	47.00	15.43	0.17	
48.50	Bot - Section 2	82.47	48.25	3.84	0.01	
50.00		392.48	49.25	18.25	0.26	
52.00		518.39	51.00	24.11	0.48	
53.25	Top - Section 1	321.14	52.63	14.94	0.20	
54.00		104.23	53.63	4.85	0.02	
56.00		276.22	55.00	12.85	0.16	
58.00		273.73	57.00	12.73	0.17	
60.00		271.23	59.00	12.61	0.18	
62.00		268.74	61.00	12.50	0.19	
64.00		266.24	63.00	12.38	0.20	
66.00		263.75	65.00	12.27	0.20	
68.00		261.25	67.00	12.15	0.21	
70.00		258.76	69.00	12.03	0.22	
72.00		256.26	71.00	11.92	0.23	
74.00		253.77	73.00	11.80	0.24	
76.00		251.27	75.00	11.69	0.25	
78.00		248.78	77.00	11.57	0.25	
80.00		246.29	79.00	11.45	0.26	
82.00		243.79	81.00	11.34	0.27	
84.00		241.30	83.00	11.22	0.28	
86.00		238.80	85.00	11.11	0.29	

Seismic Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 44

88.00			236.31	87.00	10.99	0.29		
90.00			233.81	89.00	10.87	0.30		
92.00			231.32	91.00	10.76	0.31		
94.00			228.82	93.00	10.64	0.31		
96.00	Appurtenance(s)		2646.5	95.00	123.08	43.86		
98.00			191.24	97.00	8.89	0.24		
98.75	Bot - Section 3		71.07	98.38	3.31	0.03		
100.00			180.87	99.38	8.41	0.22		
102.00	Top - Section 2		285.84	101.00	13.29	0.58		
104.00			153.55	103.00	7.14	0.17		
106.00	Appurtenance(s)		4260.0	105.00	198.12	138.82		
108.00			134.93	107.00	6.28	0.14		
110.00			133.06	109.00	6.19	0.15		
112.00			131.19	111.00	6.10	0.15		
114.00			129.32	113.00	6.01	0.15		
116.00			127.44	115.00	5.93	0.15		
118.00			125.57	117.00	5.84	0.15		
120.00			123.70	119.00	5.75	0.15		
122.00			121.83	121.00	5.67	0.15		
124.00			119.96	123.00	5.58	0.15		
126.00	Appurtenance(s)		1591.2	125.00	74.01	27.45		
128.00			111.44	127.00	5.18	0.14		
130.00			109.57	129.00	5.10	0.14		
132.00			107.70	131.00	5.01	0.14		
134.00			105.83	133.00	4.92	0.14		
136.00	Appurtenance(s)		4052.4	135.00	188.47	207.66		
138.00			69.06	137.00	3.21	0.06		
139.00	Appurtenance(s)		40.33	138.50	1.88	0.02		
		Totals:	**30,417.9**		**1,414.6**	**428.3**	**Total Wind:**	**25,698.1**

Calculated Forces

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 45

SBA

Load Case:	1.2D + 1.0Ev + 1.0Eh							**Iterations**	25
Gust Response Factor	1.10				**Sds**	0.23		**Ss**	0.22
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.28		**SA**	0.03	**Seismic Importance Factor**		1.00

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 Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-36.89	-0.43	0.00	-55.44	0.00	55.44	3003.53	816.68	3179.09	2902.93		0.00	0.00	0.031
2.00	-36.41	-0.43	0.00	-54.58	0.00	54.58	2986.67	808.64	3116.80	2858.03		0.00	0.00	0.031
4.00	-35.93	-0.43	0.00	-53.73	0.00	53.73	2969.56	800.60	3055.12	2813.21		0.00	0.00	0.031
6.00	-35.45	-0.43	0.00	-52.87	0.00	52.87	2952.19	792.56	2994.06	2768.48		0.00	-0.01	0.031
8.00	-34.97	-0.43	0.00	-52.00	0.00	52.00	2934.57	784.52	2933.61	2723.85		0.01	-0.01	0.031
10.00	-34.50	-0.43	0.00	-51.14	0.00	51.14	2916.70	776.48	2873.79	2679.32		0.01	-0.01	0.031
12.00	-34.04	-0.44	0.00	-50.27	0.00	50.27	2898.58	768.44	2814.57	2634.90		0.02	-0.02	0.031
14.00	-33.58	-0.44	0.00	-49.40	0.00	49.40	2880.20	760.40	2755.98	2590.61		0.03	-0.02	0.031
16.00	-33.12	-0.44	0.00	-48.52	0.00	48.52	2861.57	752.36	2698.00	2546.44		0.03	-0.02	0.031
18.00	-32.66	-0.44	0.00	-47.65	0.00	47.65	2842.69	744.31	2640.64	2502.41		0.04	-0.02	0.031
20.00	-32.21	-0.44	0.00	-46.77	0.00	46.77	2823.56	736.27	2583.89	2458.52		0.05	-0.03	0.030
22.00	-31.77	-0.44	0.00	-45.88	0.00	45.88	2804.17	728.23	2527.76	2414.78		0.06	-0.03	0.030
24.00	-31.32	-0.44	0.00	-45.00	0.00	45.00	2784.53	720.19	2472.25	2371.19		0.08	-0.03	0.030
26.00	-30.89	-0.45	0.00	-44.11	0.00	44.11	2764.64	712.15	2417.35	2327.77		0.09	-0.03	0.030
28.00	-30.45	-0.45	0.00	-43.22	0.00	43.22	2744.49	704.11	2363.07	2284.52		0.11	-0.04	0.030
30.00	-30.02	-0.45	0.00	-42.33	0.00	42.33	2724.09	696.07	2309.41	2241.44		0.12	-0.04	0.030
32.00	-29.59	-0.45	0.00	-41.43	0.00	41.43	2703.44	688.03	2256.36	2198.55		0.14	-0.04	0.030
34.00	-29.17	-0.45	0.00	-40.53	0.00	40.53	2682.53	679.99	2203.93	2155.86		0.16	-0.05	0.030
36.00	-28.75	-0.45	0.00	-39.63	0.00	39.63	2661.38	671.95	2152.11	2113.36		0.18	-0.05	0.030
38.00	-28.33	-0.45	0.00	-38.73	0.00	38.73	2639.97	663.90	2100.91	2071.07		0.20	-0.05	0.029
40.00	-27.92	-0.45	0.00	-37.83	0.00	37.83	2618.30	655.86	2050.33	2029.00		0.22	-0.06	0.029
42.00	-27.52	-0.45	0.00	-36.92	0.00	36.92	2596.39	647.82	2000.36	1987.14		0.25	-0.06	0.029
44.00	-27.11	-0.46	0.00	-36.01	0.00	36.01	2574.22	639.78	1951.01	1945.52		0.27	-0.06	0.029
46.00	-26.71	-0.46	0.00	-35.10	0.00	35.10	2551.80	631.74	1902.28	1904.13		0.30	-0.06	0.029
48.00	-26.32	-0.46	0.00	-34.19	0.00	34.19	2529.12	623.70	1854.16	1862.98		0.33	-0.07	0.029
48.50	-26.22	-0.46	0.00	-33.96	0.00	33.96	2523.41	621.69	1842.23	1852.74		0.33	-0.07	0.029
50.00	-25.74	-0.46	0.00	-33.28	0.00	33.28	2506.19	615.66	1806.66	1822.09		0.35	-0.07	0.029
52.00	-25.11	-0.46	0.00	-32.36	0.00	32.36	2483.01	607.62	1759.78	1781.45		0.39	-0.07	0.028
53.25	-24.72	-0.46	0.00	-31.79	0.00	31.79	1850.79	489.91	1429.99	1340.72		0.41	-0.08	0.037
54.00	-24.60	-0.46	0.00	-31.45	0.00	31.45	1845.26	487.50	1415.95	1330.10		0.42	-0.08	0.037
56.00	-24.27	-0.46	0.00	-30.53	0.00	30.53	1830.37	481.06	1378.82	1301.83		0.45	-0.08	0.037
58.00	-23.95	-0.46	0.00	-29.61	0.00	29.61	1815.22	474.63	1342.20	1273.66		0.49	-0.09	0.036
60.00	-23.63	-0.46	0.00	-28.69	0.00	28.69	1799.82	468.20	1306.06	1245.62		0.52	-0.09	0.036
62.00	-23.31	-0.46	0.00	-27.77	0.00	27.77	1784.16	461.76	1270.42	1217.69		0.56	-0.10	0.036
64.00	-23.00	-0.46	0.00	-26.84	0.00	26.84	1768.26	455.33	1235.27	1189.90		0.60	-0.10	0.036
66.00	-22.69	-0.46	0.00	-25.92	0.00	25.92	1752.10	448.90	1200.61	1162.24		0.65	-0.10	0.035
68.00	-22.38	-0.47	0.00	-24.99	0.00	24.99	1735.69	442.47	1166.45	1134.73		0.69	-0.11	0.035
70.00	-22.07	-0.47	0.00	-24.06	0.00	24.06	1719.02	436.03	1132.78	1107.37		0.74	-0.11	0.035
72.00	-21.77	-0.47	0.00	-23.12	0.00	23.12	1702.10	429.60	1099.60	1080.16		0.78	-0.12	0.034
74.00	-21.47	-0.47	0.00	-22.19	0.00	22.19	1684.93	423.17	1066.92	1053.13		0.83	-0.12	0.034
76.00	-21.18	-0.47	0.00	-21.25	0.00	21.25	1667.51	416.73	1034.73	1026.26		0.89	-0.13	0.033
78.00	-20.89	-0.47	0.00	-20.32	0.00	20.32	1649.83	410.30	1003.03	999.58		0.94	-0.13	0.033
80.00	-20.60	-0.47	0.00	-19.38	0.00	19.38	1631.90	403.87	971.82	973.09		0.99	-0.13	0.033
82.00	-20.31	-0.47	0.00	-18.44	0.00	18.44	1613.72	397.44	941.11	946.79		1.05	-0.14	0.032
84.00	-20.03	-0.47	0.00	-17.49	0.00	17.49	1595.28	391.00	910.89	920.69		1.11	-0.14	0.032
86.00	-19.75	-0.47	0.00	-16.55	0.00	16.55	1576.59	384.57	881.17	894.80		1.17	-0.15	0.031
88.00	-19.47	-0.47	0.00	-15.61	0.00	15.61	1557.65	378.14	851.94	869.13		1.23	-0.15	0.030

Calculated Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 46

90.00	-19.20	-0.47	0.00	-14.66	0.00	14.66	1538.46	371.71	823.20	843.69	1.30	-0.16	0.030
92.00	-18.93	-0.47	0.00	-13.72	0.00	13.72	1519.01	365.27	794.95	818.47	1.36	-0.16	0.029
94.00	-18.66	-0.47	0.00	-12.77	0.00	12.77	1499.31	358.84	767.20	793.50	1.43	-0.16	0.029
96.00	-15.38	-0.42	0.00	-11.82	0.00	11.82	1479.36	352.41	739.94	768.77	1.50	-0.17	0.026
98.00	-15.15	-0.42	0.00	-10.98	0.00	10.98	1459.16	345.97	713.17	744.29	1.57	-0.17	0.025
98.75	-15.07	-0.42	0.00	-10.66	0.00	10.66	1451.52	343.56	703.26	735.18	1.60	-0.17	0.025
100.00	-14.85	-0.42	0.00	-10.14	0.00	10.14	1437.39	339.54	686.90	719.42	1.65	-0.18	0.024
102.00	-14.50	-0.42	0.00	-9.29	0.00	9.29	990.34	254.40	514.14	496.43	1.72	-0.18	0.033
104.00	-14.32	-0.42	0.00	-8.45	0.00	8.45	978.09	249.58	494.83	480.92	1.80	-0.18	0.032
106.00	-9.02	-0.27	0.00	-7.61	0.00	7.61	965.60	244.75	475.88	465.53	1.88	-0.19	0.026
108.00	-8.86	-0.27	0.00	-7.08	0.00	7.08	952.85	239.93	457.30	450.26	1.96	-0.19	0.025
110.00	-8.71	-0.27	0.00	-6.55	0.00	6.55	939.85	235.10	439.10	435.11	2.04	-0.20	0.024
112.00	-8.55	-0.27	0.00	-6.01	0.00	6.01	926.60	230.28	421.26	420.10	2.12	-0.20	0.024
114.00	-8.40	-0.27	0.00	-5.48	0.00	5.48	913.09	225.45	403.79	405.23	2.21	-0.21	0.023
116.00	-8.25	-0.27	0.00	-4.95	0.00	4.95	899.33	220.63	386.70	390.51	2.29	-0.21	0.022
118.00	-8.10	-0.27	0.00	-4.42	0.00	4.42	885.32	215.80	369.97	375.94	2.38	-0.21	0.021
120.00	-7.95	-0.27	0.00	-3.89	0.00	3.89	871.06	210.98	353.61	361.54	2.47	-0.22	0.020
122.00	-7.81	-0.27	0.00	-3.36	0.00	3.36	856.54	206.16	337.63	347.31	2.56	-0.22	0.019
124.00	-7.67	-0.27	0.00	-2.83	0.00	2.83	841.77	201.33	322.01	333.26	2.66	-0.22	0.018
126.00	-5.69	-0.23	0.00	-2.29	0.00	2.29	826.75	196.51	306.76	319.39	2.75	-0.23	0.014
128.00	-5.56	-0.23	0.00	-1.83	0.00	1.83	811.45	191.68	291.88	305.71	2.84	-0.23	0.013
130.00	-5.43	-0.23	0.00	-1.37	0.00	1.37	791.03	186.86	277.37	290.44	2.94	-0.23	0.012
132.00	-5.30	-0.23	0.00	-0.92	0.00	0.92	770.61	182.03	263.24	275.56	3.04	-0.23	0.010
134.00	-5.18	-0.23	0.00	-0.46	0.00	0.46	750.18	177.21	249.47	261.07	3.13	-0.23	0.009
136.00	-0.14	0.00	0.00	0.00	0.00	0.00	729.76	172.38	236.07	246.97	3.23	-0.23	0.000
138.00	-0.05	0.00	0.00	0.00	0.00	0.00	709.33	167.56	223.04	233.27	3.33	-0.23	0.000
139.00	0.00	0.00	0.00	0.00	0.00	0.00	699.12	165.15	216.66	226.56	3.38	-0.23	0.000

Seismic Segment Forces (Factored)

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 47

SBA

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.23	**Iterations**	25
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.22
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.28	**SA**	0.03	**S1**	0.06
						Seismic Importance Factor	1.00

R: 1.50

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)
0.00		0.00	0.00	0.00	0.00
2.00		381.45	1.00	17.74	0.00
4.00		378.34	3.00	17.60	0.00
6.00		375.22	5.00	17.45	0.00
8.00		372.10	7.00	17.31	0.00
10.00		368.98	9.00	17.16	0.01
12.00		365.86	11.00	17.02	0.01
14.00		362.75	13.00	16.87	0.02
16.00		359.63	15.00	16.73	0.02
18.00		356.51	17.00	16.58	0.03
20.00		353.39	19.00	16.44	0.03
22.00		350.27	21.00	16.29	0.04
24.00		347.15	23.00	16.15	0.04
26.00		344.04	25.00	16.00	0.05
28.00		340.92	27.00	15.85	0.06
30.00		337.80	29.00	15.71	0.07
32.00		334.68	31.00	15.56	0.08
34.00		331.56	33.00	15.42	0.08
36.00		328.45	35.00	15.27	0.09
38.00		325.33	37.00	15.13	0.10
40.00		322.21	39.00	14.98	0.11
42.00		319.09	41.00	14.84	0.12
44.00		315.97	43.00	14.69	0.13
46.00		312.86	45.00	14.55	0.14
48.00		309.74	47.00	14.40	0.15
48.50	Bot - Section 2	76.95	48.25	3.58	0.01
50.00		375.90	49.25	17.48	0.24
52.00		496.28	51.00	23.08	0.45
53.25	Top - Section 1	307.33	52.63	14.29	0.18
54.00		95.94	53.63	4.46	0.02
56.00		254.11	55.00	11.82	0.14
58.00		251.62	57.00	11.70	0.14
60.00		249.12	59.00	11.59	0.15
62.00		246.63	61.00	11.47	0.16
64.00		244.14	63.00	11.35	0.17
66.00		241.64	65.00	11.24	0.17
68.00		239.15	67.00	11.12	0.18
70.00		236.65	69.00	11.01	0.19
72.00		234.16	71.00	10.89	0.19
74.00		231.66	73.00	10.77	0.20
76.00		229.17	75.00	10.66	0.21
78.00		226.67	77.00	10.54	0.21
80.00		224.18	79.00	10.43	0.22
82.00		221.68	81.00	10.31	0.23
84.00		219.19	83.00	10.19	0.23
86.00		216.70	85.00	10.08	0.24

Seismic Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 48

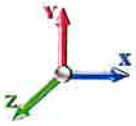
88.00			214.20	87.00	9.96	0.24		
90.00			211.71	89.00	9.85	0.25		
92.00			209.21	91.00	9.73	0.25		
94.00			206.72	93.00	9.61	0.26		
96.00	Appurtenance(s)		2624.4	95.00	122.06	43.58		
98.00			177.28	97.00	8.24	0.21		
98.75	Bot - Section 3		65.84	98.38	3.06	0.03		
100.00			172.14	99.38	8.01	0.21		
102.00	Top - Section 2		271.88	101.00	12.64	0.53		
104.00			139.59	103.00	6.49	0.14		
106.00	Appurtenance(s)		4246.1	105.00	197.47	139.36		
108.00			124.69	107.00	5.80	0.12		
110.00			122.82	109.00	5.71	0.13		
112.00			120.95	111.00	5.62	0.13		
114.00			119.08	113.00	5.54	0.13		
116.00			117.21	115.00	5.45	0.13		
118.00			115.34	117.00	5.36	0.13		
120.00			113.46	119.00	5.28	0.13		
122.00			111.59	121.00	5.19	0.13		
124.00			109.72	123.00	5.10	0.13		
126.00	Appurtenance(s)		1581.0	125.00	73.53	27.38		
128.00			102.40	127.00	4.76	0.12		
130.00			100.53	129.00	4.68	0.12		
132.00			98.66	131.00	4.59	0.12		
134.00			96.78	133.00	4.50	0.12		
136.00	Appurtenance(s)		4043.4	135.00	188.05	208.90		
138.00			68.28	137.00	3.18	0.06		
139.00	Appurtenance(s)		39.94	138.50	1.86	0.02		
		Totals:	**29,138.3**		**1,355.1**	**428.3**	**Total Wind:**	**25,698.1**

Calculated Forces

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 49

SBA

Load Case: 0.9D + 1.0Ev + 1.0Eh



Gust Response Factor	1.10			**Sds**	0.23			**Iterations**	25
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.22
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.28	**SA**	0.03	**Seismic Importance Factor**	1.00	**S1**	0.06

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 Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-27.96	-0.43	0.00	-54.45	0.00	54.45	3003.53	816.68	3179.09	2902.93		0.00	0.00	0.028
2.00	-27.60	-0.43	0.00	-53.60	0.00	53.60	2986.67	808.64	3116.80	2858.03		0.00	0.00	0.028
4.00	-27.23	-0.43	0.00	-52.74	0.00	52.74	2969.56	800.60	3055.12	2813.21		0.00	0.00	0.028
6.00	-26.87	-0.43	0.00	-51.88	0.00	51.88	2952.19	792.56	2994.06	2768.48		0.00	-0.01	0.028
8.00	-26.51	-0.43	0.00	-51.02	0.00	51.02	2934.57	784.52	2933.61	2723.85		0.01	-0.01	0.028
10.00	-26.15	-0.43	0.00	-50.16	0.00	50.16	2916.70	776.48	2873.79	2679.32		0.01	-0.01	0.028
12.00	-25.80	-0.43	0.00	-49.30	0.00	49.30	2898.58	768.44	2814.57	2634.90		0.02	-0.01	0.028
14.00	-25.45	-0.43	0.00	-48.43	0.00	48.43	2880.20	760.40	2755.98	2590.61		0.03	-0.02	0.028
16.00	-25.10	-0.44	0.00	-47.56	0.00	47.56	2861.57	752.36	2698.00	2546.44		0.03	-0.02	0.027
18.00	-24.76	-0.44	0.00	-46.69	0.00	46.69	2842.69	744.31	2640.64	2502.41		0.04	-0.02	0.027
20.00	-24.42	-0.44	0.00	-45.81	0.00	45.81	2823.56	736.27	2583.89	2458.52		0.05	-0.03	0.027
22.00	-24.08	-0.44	0.00	-44.94	0.00	44.94	2804.17	728.23	2527.76	2414.78		0.06	-0.03	0.027
24.00	-23.75	-0.44	0.00	-44.06	0.00	44.06	2784.53	720.19	2472.25	2371.19		0.08	-0.03	0.027
26.00	-23.41	-0.44	0.00	-43.18	0.00	43.18	2764.64	712.15	2417.35	2327.77		0.09	-0.03	0.027
28.00	-23.08	-0.44	0.00	-42.30	0.00	42.30	2744.49	704.11	2363.07	2284.52		0.10	-0.04	0.027
30.00	-22.76	-0.44	0.00	-41.42	0.00	41.42	2724.09	696.07	2309.41	2241.44		0.12	-0.04	0.027
32.00	-22.43	-0.44	0.00	-40.53	0.00	40.53	2703.44	688.03	2256.36	2198.55		0.14	-0.04	0.027
34.00	-22.11	-0.44	0.00	-39.65	0.00	39.65	2682.53	679.99	2203.93	2155.86		0.15	-0.05	0.027
36.00	-21.80	-0.44	0.00	-38.76	0.00	38.76	2661.38	671.95	2152.11	2113.36		0.17	-0.05	0.027
38.00	-21.48	-0.45	0.00	-37.87	0.00	37.87	2639.97	663.90	2100.91	2071.07		0.20	-0.05	0.026
40.00	-21.17	-0.45	0.00	-36.98	0.00	36.98	2618.30	655.86	2050.33	2029.00		0.22	-0.05	0.026
42.00	-20.86	-0.45	0.00	-36.09	0.00	36.09	2596.39	647.82	2000.36	1987.14		0.24	-0.06	0.026
44.00	-20.56	-0.45	0.00	-35.19	0.00	35.19	2574.22	639.78	1951.01	1945.52		0.27	-0.06	0.026
46.00	-20.25	-0.45	0.00	-34.30	0.00	34.30	2551.80	631.74	1902.28	1904.13		0.29	-0.06	0.026
48.00	-19.95	-0.45	0.00	-33.40	0.00	33.40	2529.12	623.70	1854.16	1862.98		0.32	-0.07	0.026
48.50	-19.88	-0.45	0.00	-33.18	0.00	33.18	2523.41	621.69	1842.23	1852.74		0.33	-0.07	0.026
50.00	-19.52	-0.45	0.00	-32.50	0.00	32.50	2506.19	615.66	1806.66	1822.09		0.35	-0.07	0.026
52.00	-19.04	-0.45	0.00	-31.61	0.00	31.61	2483.01	607.62	1759.78	1781.45		0.38	-0.07	0.025
53.25	-18.75	-0.45	0.00	-31.04	0.00	31.04	1850.79	489.91	1429.99	1340.72		0.40	-0.08	0.033
54.00	-18.65	-0.45	0.00	-30.71	0.00	30.71	1845.26	487.50	1415.95	1330.10		0.41	-0.08	0.033
56.00	-18.41	-0.45	0.00	-29.81	0.00	29.81	1830.37	481.06	1378.82	1301.83		0.44	-0.08	0.033
58.00	-18.16	-0.45	0.00	-28.91	0.00	28.91	1815.22	474.63	1342.20	1273.66		0.48	-0.08	0.033
60.00	-17.92	-0.45	0.00	-28.00	0.00	28.00	1799.82	468.20	1306.06	1245.62		0.51	-0.09	0.032
62.00	-17.68	-0.45	0.00	-27.10	0.00	27.10	1784.16	461.76	1270.42	1217.69		0.55	-0.09	0.032
64.00	-17.44	-0.45	0.00	-26.19	0.00	26.19	1768.26	455.33	1235.27	1189.90		0.59	-0.10	0.032
66.00	-17.21	-0.45	0.00	-25.28	0.00	25.28	1752.10	448.90	1200.61	1162.24		0.63	-0.10	0.032
68.00	-16.97	-0.46	0.00	-24.38	0.00	24.38	1735.69	442.47	1166.45	1134.73		0.68	-0.11	0.031
70.00	-16.74	-0.46	0.00	-23.47	0.00	23.47	1719.02	436.03	1132.78	1107.37		0.72	-0.11	0.031
72.00	-16.51	-0.46	0.00	-22.55	0.00	22.55	1702.10	429.60	1099.60	1080.16		0.77	-0.11	0.031
74.00	-16.29	-0.46	0.00	-21.64	0.00	21.64	1684.93	423.17	1066.92	1053.13		0.82	-0.12	0.030
76.00	-16.06	-0.46	0.00	-20.73	0.00	20.73	1667.51	416.73	1034.73	1026.26		0.87	-0.12	0.030
78.00	-15.84	-0.46	0.00	-19.81	0.00	19.81	1649.83	410.30	1003.03	999.58		0.92	-0.13	0.029
80.00	-15.62	-0.46	0.00	-18.90	0.00	18.90	1631.90	403.87	971.82	973.09		0.97	-0.13	0.029
82.00	-15.41	-0.46	0.00	-17.98	0.00	17.98	1613.72	397.44	941.11	946.79		1.03	-0.14	0.029
84.00	-15.19	-0.46	0.00	-17.06	0.00	17.06	1595.28	391.00	910.89	920.69		1.09	-0.14	0.028
86.00	-14.98	-0.46	0.00	-16.14	0.00	16.14	1576.59	384.57	881.17	894.80		1.15	-0.14	0.028
88.00	-14.77	-0.46	0.00	-15.22	0.00	15.22	1557.65	378.14	851.94	869.13		1.21	-0.15	0.027

Calculated Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:**	1	**Struct Class:**	II

90.00	-14.57	-0.46	0.00	-14.30	0.00	14.30	1538.46	371.71	823.20	843.69	1.27	-0.15	0.026
92.00	-14.36	-0.46	0.00	-13.38	0.00	13.38	1519.01	365.27	794.95	818.47	1.34	-0.16	0.026
94.00	-14.16	-0.46	0.00	-12.46	0.00	12.46	1499.31	358.84	767.20	793.50	1.40	-0.16	0.025
96.00	-11.67	-0.41	0.00	-11.54	0.00	11.54	1479.36	352.41	739.94	768.77	1.47	-0.16	0.023
98.00	-11.50	-0.41	0.00	-10.72	0.00	10.72	1459.16	345.97	713.17	744.29	1.54	-0.17	0.022
98.75	-11.43	-0.41	0.00	-10.41	0.00	10.41	1451.52	343.56	703.26	735.18	1.57	-0.17	0.022
100.00	-11.27	-0.41	0.00	-9.89	0.00	9.89	1437.39	339.54	686.90	719.42	1.61	-0.17	0.022
102.00	-11.00	-0.41	0.00	-9.07	0.00	9.07	990.34	254.40	514.14	496.43	1.68	-0.18	0.029
104.00	-10.87	-0.41	0.00	-8.25	0.00	8.25	978.09	249.58	494.83	480.92	1.76	-0.18	0.028
106.00	-6.85	-0.26	0.00	-7.43	0.00	7.43	965.60	244.75	475.88	465.53	1.84	-0.18	0.023
108.00	-6.72	-0.26	0.00	-6.91	0.00	6.91	952.85	239.93	457.30	450.26	1.91	-0.19	0.022
110.00	-6.60	-0.26	0.00	-6.39	0.00	6.39	939.85	235.10	439.10	435.11	1.99	-0.19	0.022
112.00	-6.49	-0.26	0.00	-5.88	0.00	5.88	926.60	230.28	421.26	420.10	2.07	-0.20	0.021
114.00	-6.37	-0.26	0.00	-5.36	0.00	5.36	913.09	225.45	403.79	405.23	2.16	-0.20	0.020
116.00	-6.26	-0.26	0.00	-4.84	0.00	4.84	899.33	220.63	386.70	390.51	2.24	-0.20	0.019
118.00	-6.15	-0.26	0.00	-4.32	0.00	4.32	885.32	215.80	369.97	375.94	2.33	-0.21	0.018
120.00	-6.03	-0.26	0.00	-3.80	0.00	3.80	871.06	210.98	353.61	361.54	2.42	-0.21	0.017
122.00	-5.93	-0.26	0.00	-3.29	0.00	3.29	856.54	206.16	337.63	347.31	2.51	-0.21	0.016
124.00	-5.82	-0.26	0.00	-2.77	0.00	2.77	841.77	201.33	322.01	333.26	2.60	-0.22	0.015
126.00	-4.32	-0.23	0.00	-2.25	0.00	2.25	826.75	196.51	306.76	319.39	2.69	-0.22	0.012
128.00	-4.22	-0.23	0.00	-1.80	0.00	1.80	811.45	191.68	291.88	305.71	2.78	-0.22	0.011
130.00	-4.12	-0.23	0.00	-1.35	0.00	1.35	791.03	186.86	277.37	290.44	2.87	-0.22	0.010
132.00	-4.03	-0.22	0.00	-0.90	0.00	0.90	770.61	182.03	263.24	275.56	2.97	-0.23	0.008
134.00	-3.93	-0.22	0.00	-0.45	0.00	0.45	750.18	177.21	249.47	261.07	3.06	-0.23	0.007
136.00	-0.10	0.00	0.00	0.00	0.00	0.00	729.76	172.38	236.07	246.97	3.16	-0.23	0.000
138.00	-0.04	0.00	0.00	0.00	0.00	0.00	709.33	167.56	223.04	233.27	3.25	-0.23	0.000
139.00	0.00	0.00	0.00	0.00	0.00	0.00	699.12	165.15	216.66	226.56	3.30	-0.23	0.000

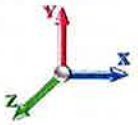
Wind Loading - Shaft

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 51	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 28

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	0.85	6.528	7.18	218.90	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
2.00		1.00	0.85	6.528	7.18	216.76	0.730	0.000	2.00	7.954	5.81	41.7	0.0	315.1
4.00		1.00	0.85	6.528	7.18	214.62	0.730	0.000	2.00	7.876	5.75	41.3	0.0	312.0
6.00		1.00	0.85	6.528	7.18	212.47	0.730	0.000	2.00	7.798	5.69	40.9	0.0	308.9
8.00		1.00	0.85	6.528	7.18	210.33	0.730	0.000	2.00	7.719	5.64	40.5	0.0	305.8
10.00		1.00	0.85	6.528	7.18	208.19	0.730	0.000	2.00	7.641	5.58	40.1	0.0	302.7
12.00		1.00	0.85	6.528	7.18	206.05	0.730	0.000	2.00	7.563	5.52	39.6	0.0	299.5
14.00		1.00	0.85	6.528	7.18	203.91	0.730	0.000	2.00	7.485	5.46	39.2	0.0	296.4
16.00		1.00	0.87	6.693	7.36	204.31	0.730	0.000	2.00	7.407	5.41	39.8	0.0	293.3
18.00		1.00	0.89	6.852	7.54	204.52	0.730	0.000	2.00	7.329	5.35	40.3	0.0	290.2
20.00		1.00	0.91	6.998	7.70	204.47	0.730	0.000	2.00	7.250	5.29	40.7	0.0	287.1
22.00		1.00	0.93	7.133	7.85	204.20	0.730	0.000	2.00	7.172	5.24	41.1	0.0	284.0
24.00		1.00	0.95	7.259	7.99	203.75	0.730	0.000	2.00	7.094	5.18	41.4	0.0	280.8
26.00		1.00	0.96	7.378	8.12	203.13	0.730	0.000	2.00	7.016	5.12	41.6	0.0	277.7
28.00		1.00	0.98	7.490	8.24	202.37	0.730	0.000	2.00	6.938	5.06	41.7	0.0	274.6
30.00		1.00	0.99	7.596	8.36	201.48	0.730	0.000	2.00	6.860	5.01	41.8	0.0	271.5
32.00		1.00	1.00	7.696	8.47	200.49	0.730	0.000	2.00	6.781	4.95	41.9	0.0	268.4
34.00		1.00	1.01	7.792	8.57	199.39	0.730	0.000	2.00	6.703	4.89	41.9	0.0	265.2
36.00		1.00	1.03	7.884	8.67	198.21	0.730	0.000	2.00	6.625	4.84	41.9	0.0	262.1
38.00		1.00	1.04	7.972	8.77	196.95	0.730	0.000	2.00	6.547	4.78	41.9	0.0	259.0
40.00		1.00	1.05	8.056	8.86	195.61	0.730	0.000	2.00	6.469	4.72	41.8	0.0	255.9
42.00		1.00	1.06	8.137	8.95	194.20	0.730	0.000	2.00	6.390	4.67	41.8	0.0	252.8
44.00		1.00	1.07	8.216	9.04	192.73	0.730	0.000	2.00	6.312	4.61	41.6	0.0	249.7
46.00		1.00	1.08	8.291	9.12	191.20	0.730	0.000	2.00	6.234	4.55	41.5	0.0	246.5
48.00		1.00	1.09	8.364	9.20	189.62	0.730	0.000	2.00	6.156	4.49	41.3	0.0	243.4
48.50 Bot - Section 2		1.00	1.09	8.382	9.22	189.22	0.730	0.000	0.50	1.527	1.11	10.3	0.0	60.4
50.00		1.00	1.10	8.435	9.28	187.99	0.730	0.000	1.50	4.614	3.37	31.3	0.0	326.2
52.00		1.00	1.11	8.504	9.35	186.30	0.730	0.000	2.00	6.084	4.44	41.5	0.0	430.0
53.25 Top - Section 1		1.00	1.11	8.545	9.40	185.23	0.730	0.000	1.25	3.763	2.75	25.8	0.0	265.9
54.00		1.00	1.12	8.570	9.43	187.23	0.730	0.000	0.75	2.243	1.64	15.4	0.0	71.1
56.00		1.00	1.12	8.635	9.50	185.48	0.730	0.000	2.00	5.928	4.33	41.1	0.0	187.8
58.00		1.00	1.13	8.698	9.57	183.68	0.730	0.000	2.00	5.850	4.27	40.9	0.0	185.3
60.00		1.00	1.14	8.759	9.64	181.85	0.730	0.000	2.00	5.771	4.21	40.6	0.0	182.8
62.00		1.00	1.15	8.819	9.70	179.98	0.730	0.000	2.00	5.693	4.16	40.3	0.0	180.3
64.00		1.00	1.16	8.877	9.76	178.07	0.730	0.000	2.00	5.615	4.10	40.0	0.0	177.8
66.00		1.00	1.16	8.934	9.83	176.14	0.730	0.000	2.00	5.537	4.04	39.7	0.0	175.3
68.00		1.00	1.17	8.989	9.89	174.17	0.730	0.000	2.00	5.459	3.98	39.4	0.0	172.8
70.00		1.00	1.18	9.044	9.95	172.18	0.730	0.000	2.00	5.381	3.93	39.1	0.0	170.3
72.00		1.00	1.18	9.097	10.01	170.15	0.730	0.000	2.00	5.302	3.87	38.7	0.0	167.8
74.00		1.00	1.19	9.149	10.06	168.10	0.730	0.000	2.00	5.224	3.81	38.4	0.0	165.3
76.00		1.00	1.20	9.199	10.12	166.03	0.730	0.000	2.00	5.146	3.76	38.0	0.0	162.8
78.00		1.00	1.20	9.249	10.17	163.93	0.730	0.000	2.00	5.068	3.70	37.6	0.0	160.4
80.00		1.00	1.21	9.298	10.23	161.80	0.730	0.000	2.00	4.990	3.64	37.3	0.0	157.9
82.00		1.00	1.22	9.346	10.28	159.66	0.730	0.000	2.00	4.912	3.59	36.9	0.0	155.4
84.00		1.00	1.22	9.393	10.33	157.49	0.730	0.000	2.00	4.833	3.53	36.5	0.0	152.9
86.00		1.00	1.23	9.439	10.38	155.30	0.730	0.000	2.00	4.755	3.47	36.0	0.0	150.4
88.00		1.00	1.23	9.484	10.43	153.09	0.730	0.000	2.00	4.677	3.41	35.6	0.0	147.9

Wind Loading - Shaft

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 52

90.00	1.00	1.24	9.529	10.48	150.87	0.730	0.000	2.00	4.599	3.36	35.2	0.0	145.4
92.00	1.00	1.25	9.572	10.53	148.62	0.730	0.000	2.00	4.521	3.30	34.7	0.0	142.9
94.00	1.00	1.25	9.615	10.58	146.35	0.730	0.000	2.00	4.442	3.24	34.3	0.0	140.4
96.00 Appurtenance(s)	1.00	1.26	9.658	10.62	144.07	0.730	0.000	2.00	4.364	3.19	33.8	0.0	137.9
98.00	1.00	1.26	9.699	10.67	141.77	0.730	0.000	2.00	4.286	3.13	33.4	0.0	135.4
98.75 Bot - Section 3	1.00	1.26	9.715	10.69	140.90	0.730	0.000	0.75	1.587	1.16	12.4	0.0	50.1
100.00	1.00	1.27	9.740	10.71	139.46	0.730	0.000	1.25	2.660	1.94	20.8	0.0	146.0
102.00 Top - Section 2	1.00	1.27	9.780	10.76	137.12	0.730	0.000	2.00	4.193	3.06	32.9	0.0	230.0
104.00	1.00	1.28	9.820	10.80	136.91	0.730	0.000	2.00	4.115	3.00	32.4	0.0	97.7
106.00 Appurtenance(s)	1.00	1.28	9.859	10.85	134.55	0.730	0.000	2.00	4.037	2.95	32.0	0.0	95.8
108.00	1.00	1.29	9.898	10.89	132.17	0.730	0.000	2.00	3.959	2.89	31.5	0.0	94.0
110.00	1.00	1.29	9.936	10.93	129.79	0.730	0.000	2.00	3.880	2.83	31.0	0.0	92.1
112.00	1.00	1.30	9.973	10.97	127.38	0.730	0.000	2.00	3.802	2.78	30.5	0.0	90.2
114.00	1.00	1.30	10.010	11.01	124.97	0.730	0.000	2.00	3.724	2.72	29.9	0.0	88.4
116.00	1.00	1.31	10.046	11.05	122.54	0.730	0.000	2.00	3.646	2.66	29.4	0.0	86.5
118.00	1.00	1.31	10.082	11.09	120.10	0.730	0.000	2.00	3.568	2.60	28.9	0.0	84.6
120.00	1.00	1.32	10.118	11.13	117.64	0.730	0.000	2.00	3.490	2.55	28.4	0.0	82.7
122.00	1.00	1.32	10.153	11.17	115.18	0.730	0.000	2.00	3.411	2.49	27.8	0.0	80.9
124.00	1.00	1.33	10.187	11.21	112.70	0.730	0.000	2.00	3.333	2.43	27.3	0.0	79.0
126.00 Appurtenance(s)	1.00	1.33	10.221	11.24	110.21	0.730	0.000	2.00	3.255	2.38	26.7	0.0	77.1
128.00	1.00	1.34	10.255	11.28	107.70	0.730	0.000	2.00	3.177	2.32	26.2	0.0	75.3
130.00	1.00	1.34	10.288	11.32	105.19	0.730	0.000	2.00	3.099	2.26	25.6	0.0	73.4
132.00	1.00	1.34	10.321	11.35	102.67	0.730	0.000	2.00	3.021	2.20	25.0	0.0	71.5
134.00	1.00	1.35	10.354	11.39	100.13	0.730	0.000	2.00	2.942	2.15	24.5	0.0	69.7
136.00 Appurtenance(s)	1.00	1.35	10.386	11.42	97.59	0.730	0.000	2.00	2.864	2.09	23.9	0.0	67.8
138.00	1.00	1.36	10.417	11.46	95.03	0.730	0.000	2.00	2.786	2.03	23.3	0.0	65.9
139.00 Appurtenance(s)	1.00	1.36	10.433	11.48	93.75	0.730	0.000	1.00	1.364	1.00	11.4	0.0	32.3
							Totals:	**139.00**			**2,521.0**		**13,342.3**

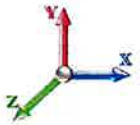
Discrete Appurtenance Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 53	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 28

No.	Elev (ft)	Description	Qty	qz (psf)	qzGh (psf)	Orient Factor x Ka	Ka	Total CaAa (sf)	Dead Load (lb)	Horiz Ecc (ft)	Vert Ecc (ft)	Wind FX (lb)	Mom Y (lb-ft)	Mom Z (lb-ft)
1	139.00	6' Lightning rod	1	10.480	11.528	1.00	1.00	0.38	6.50	0.000	3.000	4.38	0.00	13.14
2	136.00	4449 B71+B85	3	10.386	11.424	0.54	0.80	2.65	210.00	0.000	0.000	30.31	0.00	0.00
3	136.00	KRY 112 144/1	3	10.386	11.424	0.40	0.80	0.49	33.00	0.000	0.000	5.62	0.00	0.00
4	136.00	RFS	3	10.386	11.424	0.56	0.80	34.00	384.00	0.000	0.000	388.46	0.00	0.00
5	136.00	Air 32	3	10.386	11.424	0.70	0.80	13.59	396.60	0.000	0.000	155.29	0.00	0.00
6	136.00	AIR6449 B41	3	10.386	11.424	0.57	0.80	9.63	309.00	0.000	0.000	109.99	0.00	0.00
7	136.00	4415 B25	3	10.386	11.424	0.40	0.80	2.23	138.90	0.000	0.000	25.50	0.00	0.00
8	136.00	RDS-272	3	10.386	11.424	0.75	0.75	9.07	2028.96	0.000	0.000	103.59	0.00	0.00
9	136.00	Mount Pipes	9	10.386	11.424	0.80	0.80	10.87	427.05	0.000	0.000	124.20	0.00	0.00
10	136.00	SDX1926Q-43	3	10.386	11.424	0.40	0.80	0.46	21.00	0.000	0.000	5.21	0.00	0.00
11	126.00	Commscope	3	10.221	11.243	0.59	0.80	21.74	212.40	0.000	0.000	244.41	0.00	0.00
12	126.00	(1) 8'x2.875" mount pipe	3	10.221	11.243	1.00	1.00	6.90	139.20	0.000	0.000	77.58	0.00	0.00
13	126.00	Collar Mount (3-Sided)	1	10.221	11.243	1.00	1.00	3.50	367.00	0.000	0.000	39.35	0.00	0.00
14	126.00	Fujitsu TA08025-B605 -	3	10.221	11.243	0.54	0.80	3.15	225.00	0.000	0.000	35.44	0.00	0.00
15	126.00	Fujitsu TA08025-B604 -	3	10.221	11.243	0.54	0.80	3.15	191.70	0.000	0.000	35.44	0.00	0.00
16	126.00	Raycap	1	10.221	11.243	0.80	0.80	1.61	21.90	0.000	0.000	18.08	0.00	0.00
17	126.00	side arm	3	10.221	11.243	1.00	1.00	1.41	315.99	0.000	0.000	15.85	0.00	0.00
18	106.00	EPBQ-652L8H6-L2	3	9.859	10.845	0.55	0.80	21.93	218.40	0.000	0.000	237.78	0.00	0.00
19	106.00	DC6-48-60-18-8F	2	9.859	10.845	0.40	0.80	3.86	65.60	0.000	0.000	41.82	0.00	0.00
20	106.00	RRUS-32	3	9.859	10.845	0.54	0.80	5.32	231.00	0.000	0.000	57.72	0.00	0.00
21	106.00	RRUS A2	3	9.859	10.845	0.54	0.80	3.34	66.00	0.000	0.000	36.27	0.00	0.00
22	106.00	RRUS 4449 B5/B12	3	9.859	10.845	0.40	0.80	4.20	255.00	0.000	0.000	45.55	0.00	0.00
23	106.00	OPA65R-BU6DA	3	9.859	10.845	0.68	0.80	19.71	192.00	0.000	0.000	213.72	0.00	0.00
24	106.00	Double T-Arm	3	9.859	10.845	0.75	0.75	7.76	1795.77	0.000	0.000	84.18	0.00	0.00
25	106.00	Mount Pipes	12	9.859	10.845	0.80	0.80	13.82	459.84	0.000	0.000	149.92	0.00	0.00
26	106.00	AIR 6449 B77D	3	9.859	10.845	0.62	0.80	7.45	244.80	0.000	0.000	80.77	0.00	0.00
27	106.00	DC9-48-60-24-8C-EV	1	9.859	10.845	0.40	0.80	1.92	26.20	0.000	0.000	20.78	0.00	0.00
28	106.00	DTMABP7819VG12A	3	9.859	10.845	0.40	0.80	1.18	57.60	0.000	0.000	12.75	0.00	0.00
29	106.00	4426 B66	3	9.859	10.845	0.54	0.80	4.41	159.00	0.000	0.000	47.78	0.00	0.00
30	106.00	RRUS 4415 B25	3	9.859	10.845	0.54	0.80	2.96	138.00	0.000	0.000	32.09	0.00	0.00
31	106.00	RRUS 4478 B14	3	9.859	10.845	0.54	0.80	3.25	178.20	0.000	0.000	35.23	0.00	0.00
32	106.00	DBC20056F1V1	3	9.859	10.845	0.40	0.80	0.40	21.00	0.000	0.000	4.29	0.00	0.00
33	96.00	Samsung B2/B66A	3	9.658	10.623	0.54	0.80	3.02	210.90	0.000	0.000	32.11	0.00	0.00
34	96.00	JMA MX06FRO660-03	6	9.658	10.623	0.76	0.80	37.16	306.00	0.000	0.000	394.81	0.00	0.00
35	96.00	Samsung 64T64R	3	9.658	10.623	0.56	0.80	7.90	261.30	0.000	0.000	83.88	0.00	0.00
36	96.00	Samsung B5/B13	3	9.658	10.623	0.54	0.80	3.02	253.20	0.000	0.000	32.11	0.00	0.00
37	96.00	T-Arms	3	9.658	10.623	0.75	0.75	6.98	1050.00	0.000	0.000	74.10	0.00	0.00
38	96.00	Commscope	1	9.658	10.623	0.40	0.80	1.92	45.00	0.000	0.000	20.40	0.00	0.00
39	96.00	Mount Pipes	9	9.658	10.623	0.75	0.75	5.60	258.66	0.000	0.000	59.52	0.00	0.00
40	96.00	Kaelus BSF0020F3V1-1	2	9.658	10.623	0.54	0.80	1.03	35.20	0.000	0.000	10.93	0.00	0.00
							Totals:		**11,956.87**			**3,227.23**		

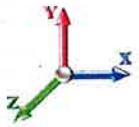
Total Applied Force Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 54

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 28

Elev (ft)	Description	Lateral FX (-) (lb)	Axial FY (-) (lb)	Torsion MY (lb-ft)	Moment MZ (lb-ft)
0.00		0.00	0.00	0.00	0.00
2.00		41.69	388.82	0.00	0.00
4.00		41.28	385.70	0.00	0.00
6.00		40.87	382.59	0.00	0.00
8.00		40.46	379.47	0.00	0.00
10.00		40.05	376.35	0.00	0.00
12.00		39.64	373.23	0.00	0.00
14.00		39.23	370.11	0.00	0.00
16.00		39.81	367.00	0.00	0.00
18.00		40.32	363.88	0.00	0.00
20.00		40.74	360.76	0.00	0.00
22.00		41.08	357.64	0.00	0.00
24.00		41.35	354.52	0.00	0.00
26.00		41.57	351.41	0.00	0.00
28.00		41.73	348.29	0.00	0.00
30.00		41.84	345.17	0.00	0.00
32.00		41.91	342.05	0.00	0.00
34.00		41.94	338.93	0.00	0.00
36.00		41.94	335.81	0.00	0.00
38.00		41.91	332.70	0.00	0.00
40.00		41.85	329.58	0.00	0.00
42.00		41.76	326.46	0.00	0.00
44.00		41.64	323.34	0.00	0.00
46.00		41.51	320.22	0.00	0.00
48.00		41.35	317.11	0.00	0.00
48.50		10.28	78.79	0.00	0.00
50.00		31.26	381.42	0.00	0.00
52.00		41.55	503.65	0.00	0.00
53.25		25.82	311.93	0.00	0.00
54.00		15.44	98.70	0.00	0.00
56.00		41.10	261.48	0.00	0.00
58.00		40.86	258.99	0.00	0.00
60.00		40.59	256.49	0.00	0.00
62.00		40.32	254.00	0.00	0.00
64.00		40.03	251.50	0.00	0.00
66.00		39.72	249.01	0.00	0.00
68.00		39.40	246.52	0.00	0.00
70.00		39.07	244.02	0.00	0.00
72.00		38.73	241.53	0.00	0.00
74.00		38.38	239.03	0.00	0.00
76.00		38.01	236.54	0.00	0.00
78.00		37.64	234.04	0.00	0.00
80.00		37.25	231.55	0.00	0.00
82.00		36.86	229.05	0.00	0.00
84.00		36.45	226.56	0.00	0.00
86.00		36.04	224.06	0.00	0.00
88.00		35.62	221.57	0.00	0.00

Total Applied Force Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 55

90.00		35.19	219.08	0.00	0.00
92.00		34.75	216.58	0.00	0.00
94.00		34.30	214.09	0.00	0.00
96.00	(30) attachments	741.71	2631.85	0.00	0.00
98.00		33.38	181.94	0.00	0.00
98.75		12.38	67.58	0.00	0.00
100.00		20.81	175.05	0.00	0.00
102.00		32.93	276.54	0.00	0.00
104.00		32.45	144.24	0.00	0.00
106.00	(51) attachments	1132.62	4250.78	0.00	0.00
108.00		31.46	128.10	0.00	0.00
110.00		30.96	126.23	0.00	0.00
112.00		30.45	124.36	0.00	0.00
114.00		29.93	122.49	0.00	0.00
116.00		29.41	120.62	0.00	0.00
118.00		28.88	118.75	0.00	0.00
120.00		28.35	116.88	0.00	0.00
122.00		27.81	115.01	0.00	0.00
124.00		27.27	113.14	0.00	0.00
126.00	(17) attachments	492.87	1584.45	0.00	0.00
128.00		26.16	105.41	0.00	0.00
130.00		25.60	103.54	0.00	0.00
132.00		25.03	101.67	0.00	0.00
134.00		24.46	99.80	0.00	0.00
136.00	(33) attachments	972.06	4046.44	0.00	0.00
138.00		23.31	68.54	0.00	0.00
139.00	(1) attachments	15.81	40.07	0.00	13.14
	Totals:	**5,748.26**	**29,564.81**	**0.00**	**13.14**

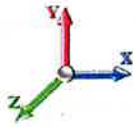
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 56	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
2.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	0.55
2.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	2.08
4.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	0.55
4.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	2.08
6.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	0.55
6.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	2.08
8.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	0.55
8.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	2.08
10.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	0.55
10.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	2.08
12.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	0.55
12.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	2.08
14.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	0.55
14.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.528	0.00	2.08
16.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.693	0.00	0.55
16.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.693	0.00	2.08
18.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.852	0.00	0.55
18.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.852	0.00	2.08
20.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.998	0.00	0.55
20.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	6.998	0.00	2.08
22.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.133	0.00	0.55
22.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.133	0.00	2.08
24.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.259	0.00	0.55
24.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.259	0.00	2.08
26.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.378	0.00	0.55
26.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.378	0.00	2.08
28.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.490	0.00	0.55
28.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.490	0.00	2.08
30.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.596	0.00	0.55
30.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.596	0.00	2.08
32.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.696	0.00	0.55
32.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.696	0.00	2.08
34.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.792	0.00	0.55
34.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.792	0.00	2.08
36.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.884	0.00	0.55
36.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.884	0.00	2.08
38.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.972	0.00	0.55
38.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	7.972	0.00	2.08
40.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.056	0.00	0.55
40.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.056	0.00	2.08
42.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.137	0.00	0.55
42.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.137	0.00	2.08
44.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.216	0.00	0.55
44.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.216	0.00	2.08
46.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.291	0.00	0.55
46.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.291	0.00	2.08
48.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.364	0.00	0.55

Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 57	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00

Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
48.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.364	0.00	2.08
48.50	Safety Cable	Yes	0.50	0.000	0.00	0.00	0.00	0.000	0.000	8.382	0.00	0.14
48.50	Step bolts (ladder)	Yes	0.50	0.000	0.00	0.00	0.00	0.000	0.000	8.382	0.00	0.52
50.00	Safety Cable	Yes	1.50	0.000	0.00	0.00	0.00	0.000	0.000	8.435	0.00	0.41
50.00	Step bolts (ladder)	Yes	1.50	0.000	0.00	0.00	0.00	0.000	0.000	8.435	0.00	1.56
52.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.504	0.00	0.55
52.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.504	0.00	2.08
53.25	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	8.545	0.00	0.34
53.25	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	8.545	0.00	1.30
54.00	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	8.570	0.00	0.20
54.00	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	8.570	0.00	0.78
56.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.635	0.00	0.55
56.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.635	0.00	2.08
58.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.698	0.00	0.55
58.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.698	0.00	2.08
60.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.759	0.00	0.55
60.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.759	0.00	2.08
62.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.819	0.00	0.55
62.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.819	0.00	2.08
64.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.877	0.00	0.55
64.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.877	0.00	2.08
66.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.934	0.00	0.55
66.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.934	0.00	2.08
68.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.989	0.00	0.55
68.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	8.989	0.00	2.08
70.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.044	0.00	0.55
70.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.044	0.00	2.08
72.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.097	0.00	0.55
72.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.097	0.00	2.08
74.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.149	0.00	0.55
74.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.149	0.00	2.08
76.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.199	0.00	0.55
76.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.199	0.00	2.08
78.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.249	0.00	0.55
78.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.249	0.00	2.08
80.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.298	0.00	0.55
80.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.298	0.00	2.08
82.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.346	0.00	0.55
82.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.346	0.00	2.08
84.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.393	0.00	0.55
84.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.393	0.00	2.08
86.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.439	0.00	0.55
86.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.439	0.00	2.08
88.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.484	0.00	0.55
88.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.484	0.00	2.08
90.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.529	0.00	0.55
90.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.529	0.00	2.08

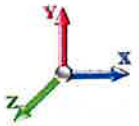
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 58	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 28

Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
92.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.572	0.00	0.55
92.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.572	0.00	2.08
94.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.615	0.00	0.55
94.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.615	0.00	2.08
96.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.658	0.00	0.55
96.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.658	0.00	2.08
98.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.699	0.00	0.55
98.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.699	0.00	2.08
98.75	Safety Cable	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	9.715	0.00	0.20
98.75	Step bolts (ladder)	Yes	0.75	0.000	0.00	0.00	0.00	0.000	0.000	9.715	0.00	0.78
100.00	Safety Cable	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	9.740	0.00	0.34
100.00	Step bolts (ladder)	Yes	1.25	0.000	0.00	0.00	0.00	0.000	0.000	9.740	0.00	1.30
102.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.780	0.00	0.55
102.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.780	0.00	2.08
104.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.820	0.00	0.55
104.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.820	0.00	2.08
106.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.859	0.00	0.55
106.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.859	0.00	2.08
108.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.898	0.00	0.55
108.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.898	0.00	2.08
110.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.936	0.00	0.55
110.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.936	0.00	2.08
112.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.973	0.00	0.55
112.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	9.973	0.00	2.08
114.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.010	0.00	0.55
114.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.010	0.00	2.08
116.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.046	0.00	0.55
116.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.046	0.00	2.08
118.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.082	0.00	0.55
118.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.082	0.00	2.08
120.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.118	0.00	0.55
120.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.118	0.00	2.08
122.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.153	0.00	0.55
122.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.153	0.00	2.08
124.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.187	0.00	0.55
124.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.187	0.00	2.08
126.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.221	0.00	0.55
126.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.221	0.00	2.08
128.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.255	0.00	0.55
128.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.255	0.00	2.08
130.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.288	0.00	0.55
130.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.288	0.00	2.08
132.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.321	0.00	0.55
132.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.321	0.00	2.08
134.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.354	0.00	0.55
134.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.354	0.00	2.08
136.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.386	0.00	0.55

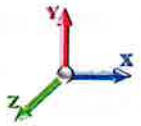
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 59

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 28

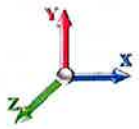
Top Elev (ft)	Description	Wind Exposed	Length (ft)	Ca	Exposed Width (in)	Area (sqft)	CaAa (sqft)	Ra	Cf Adjust Factor	qz (psf)	F X (lb)	Dead Load (lb)
136.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.386	0.00	2.08
138.00	Safety Cable	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.417	0.00	0.55
138.00	Step bolts (ladder)	Yes	2.00	0.000	0.00	0.00	0.00	0.000	0.000	10.417	0.00	2.08
139.00	Safety Cable	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	10.433	0.00	0.27
139.00	Step bolts (ladder)	Yes	1.00	0.000	0.00	0.00	0.00	0.000	0.000	10.433	0.00	1.04
										Totals:	**0.0**	**182.5**

Calculated Forces

Structure: CT13549-S
Site Name: Danbury 1
Height: 139.00 (ft)
Base Elev: 1.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 7/7/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II Page: 60

Load Case: 1.0D + 1.0W 60 mph Wind
Dead Load Factor 1.00
Wind Load Factor 1.00



Iterations 28

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 Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-29.56	-5.75	0.00	-566.22	0.00	566.22	3003.53	816.68	3179.09	2902.93	0.00	0.000	0.000	0.205
2.00	-29.17	-5.72	0.00	-554.71	0.00	554.71	2986.67	808.64	3116.80	2858.03	0.01	-0.025	0.000	0.204
4.00	-28.78	-5.70	0.00	-543.26	0.00	543.26	2969.56	800.60	3055.12	2813.21	0.02	-0.050	0.000	0.203
6.00	-28.40	-5.67	0.00	-531.87	0.00	531.87	2952.19	792.56	2994.06	2768.48	0.05	-0.075	0.000	0.202
8.00	-28.02	-5.64	0.00	-520.54	0.00	520.54	2934.57	784.52	2933.61	2723.85	0.08	-0.100	0.000	0.201
10.00	-27.64	-5.61	0.00	-509.26	0.00	509.26	2916.70	776.48	2873.79	2679.32	0.13	-0.125	0.000	0.200
12.00	-27.26	-5.58	0.00	-498.04	0.00	498.04	2898.58	768.44	2814.57	2634.90	0.19	-0.151	0.000	0.198
14.00	-26.89	-5.55	0.00	-486.88	0.00	486.88	2880.20	760.40	2755.98	2590.61	0.26	-0.177	0.000	0.197
16.00	-26.52	-5.52	0.00	-475.77	0.00	475.77	2861.57	752.36	2698.00	2546.44	0.34	-0.203	0.000	0.196
18.00	-26.15	-5.49	0.00	-464.73	0.00	464.73	2842.69	744.31	2640.64	2502.41	0.43	-0.230	0.000	0.195
20.00	-25.79	-5.46	0.00	-453.74	0.00	453.74	2823.56	736.27	2583.89	2458.52	0.53	-0.257	0.000	0.194
22.00	-25.43	-5.43	0.00	-442.81	0.00	442.81	2804.17	728.23	2527.76	2414.78	0.65	-0.283	0.000	0.192
24.00	-25.07	-5.40	0.00	-431.94	0.00	431.94	2784.53	720.19	2472.25	2371.19	0.77	-0.311	0.000	0.191
26.00	-24.72	-5.37	0.00	-421.13	0.00	421.13	2764.64	712.15	2417.35	2327.77	0.91	-0.338	0.000	0.190
28.00	-24.37	-5.34	0.00	-410.39	0.00	410.39	2744.49	704.11	2363.07	2284.52	1.05	-0.365	0.000	0.189
30.00	-24.02	-5.31	0.00	-399.72	0.00	399.72	2724.09	696.07	2309.41	2241.44	1.21	-0.393	0.000	0.187
32.00	-23.68	-5.27	0.00	-389.10	0.00	389.10	2703.44	688.03	2256.36	2198.55	1.38	-0.421	0.000	0.186
34.00	-23.34	-5.24	0.00	-378.56	0.00	378.56	2682.53	679.99	2203.93	2155.86	1.57	-0.449	0.000	0.184
36.00	-23.00	-5.21	0.00	-368.08	0.00	368.08	2661.38	671.95	2152.11	2113.36	1.76	-0.478	0.000	0.183
38.00	-22.66	-5.17	0.00	-357.66	0.00	357.66	2639.97	663.90	2100.91	2071.07	1.97	-0.507	0.000	0.181
40.00	-22.33	-5.14	0.00	-347.31	0.00	347.31	2618.30	655.86	2050.33	2029.00	2.19	-0.535	0.000	0.180
42.00	-22.00	-5.11	0.00	-337.03	0.00	337.03	2596.39	647.82	2000.36	1987.14	2.42	-0.564	0.000	0.178
44.00	-21.68	-5.07	0.00	-326.82	0.00	326.82	2574.22	639.78	1951.01	1945.52	2.66	-0.594	0.000	0.176
46.00	-21.36	-5.04	0.00	-316.67	0.00	316.67	2551.80	631.74	1902.28	1904.13	2.91	-0.623	0.000	0.175
48.00	-21.04	-5.00	0.00	-306.59	0.00	306.59	2529.12	623.70	1854.16	1862.98	3.18	-0.653	0.000	0.173
48.50	-20.96	-5.00	0.00	-304.09	0.00	304.09	2523.41	621.69	1842.23	1852.74	3.25	-0.660	0.000	0.173
50.00	-20.57	-4.97	0.00	-296.60	0.00	296.60	2506.19	615.66	1806.66	1822.09	3.46	-0.683	0.000	0.171
52.00	-20.07	-4.93	0.00	-286.66	0.00	286.66	2483.01	607.62	1759.78	1781.45	3.75	-0.713	0.000	0.169
53.25	-19.76	-4.91	0.00	-280.50	0.00	280.50	1850.79	489.91	1429.99	1340.72	3.94	-0.732	0.000	0.220
54.00	-19.66	-4.90	0.00	-276.82	0.00	276.82	1845.26	487.50	1415.95	1330.10	4.06	-0.743	0.000	0.219
56.00	-19.39	-4.86	0.00	-267.03	0.00	267.03	1830.37	481.06	1378.82	1301.83	4.38	-0.779	0.000	0.216
58.00	-19.13	-4.83	0.00	-257.30	0.00	257.30	1815.22	474.63	1342.20	1273.66	4.71	-0.815	0.000	0.213
60.00	-18.87	-4.80	0.00	-247.64	0.00	247.64	1799.82	468.20	1306.06	1245.62	5.06	-0.851	0.000	0.209
62.00	-18.62	-4.77	0.00	-238.04	0.00	238.04	1784.16	461.76	1270.42	1217.69	5.43	-0.888	0.000	0.206
64.00	-18.36	-4.74	0.00	-228.50	0.00	228.50	1768.26	455.33	1235.27	1189.90	5.81	-0.924	0.000	0.203
66.00	-18.11	-4.70	0.00	-219.03	0.00	219.03	1752.10	448.90	1200.61	1162.24	6.20	-0.960	0.000	0.199
68.00	-17.86	-4.67	0.00	-209.63	0.00	209.63	1735.69	442.47	1166.45	1134.73	6.61	-0.996	0.000	0.195
70.00	-17.61	-4.64	0.00	-200.29	0.00	200.29	1719.02	436.03	1132.78	1107.37	7.04	-1.033	0.000	0.191
72.00	-17.37	-4.61	0.00	-191.01	0.00	191.01	1702.10	429.60	1099.60	1080.16	7.48	-1.069	0.000	0.187
74.00	-17.13	-4.57	0.00	-181.80	0.00	181.80	1684.93	423.17	1066.92	1053.13	7.93	-1.105	0.000	0.183
76.00	-16.89	-4.54	0.00	-172.65	0.00	172.65	1667.51	416.73	1034.73	1026.26	8.40	-1.141	0.000	0.178
78.00	-16.66	-4.51	0.00	-163.57	0.00	163.57	1649.83	410.30	1003.03	999.58	8.89	-1.176	0.000	0.174
80.00	-16.42	-4.48	0.00	-154.55	0.00	154.55	1631.90	403.87	971.82	973.09	9.39	-1.212	0.000	0.169
82.00	-16.19	-4.45	0.00	-145.59	0.00	145.59	1613.72	397.44	941.11	946.79	9.90	-1.247	0.000	0.164
84.00	-15.96	-4.41	0.00	-136.70	0.00	136.70	1595.28	391.00	910.89	920.69	10.43	-1.281	0.000	0.159
86.00	-15.74	-4.38	0.00	-127.87	0.00	127.87	1576.59	384.57	881.17	894.80	10.98	-1.315	0.000	0.153
88.00	-15.51	-4.35	0.00	-119.11	0.00	119.11	1557.65	378.14	851.94	869.13	11.54	-1.348	0.000	0.147
90.00	-15.29	-4.32	0.00	-110.41	0.00	110.41	1538.46	371.71	823.20	843.69	12.11	-1.381	0.000	0.141

Calculated Forces

Structure:	CT13549-S	**Code:**	TIA-222-H	7/7/2023	
Site Name:	Danbury 1	**Exposure:**	C		
Height:	139.00 (ft)	**Crest Height:**	0.00		
Base Elev:	1.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 61

92.00	-15.08	-4.29	0.00	-101.77	0.00	101.77	1519.01	365.27	794.95	818.47	12.69	-1.412	0.000	0.134
94.00	-14.86	-4.25	0.00	-93.20	0.00	93.20	1499.31	358.84	767.20	793.50	13.29	-1.443	0.000	0.128
96.00	-12.25	-3.45	0.00	-84.69	0.00	84.69	1479.36	352.41	739.94	768.77	13.90	-1.473	0.000	0.119
98.00	-12.06	-3.42	0.00	-77.78	0.00	77.78	1459.16	345.97	713.17	744.29	14.53	-1.501	0.000	0.113
98.75	-12.00	-3.41	0.00	-75.22	0.00	75.22	1451.52	343.56	703.26	735.18	14.76	-1.512	0.000	0.111
100.00	-11.82	-3.39	0.00	-70.96	0.00	70.96	1437.39	339.54	686.90	719.42	15.16	-1.529	0.000	0.107
102.00	-11.54	-3.35	0.00	-64.19	0.00	64.19	990.34	254.40	514.14	496.43	15.81	-1.555	0.000	0.141
104.00	-11.40	-3.32	0.00	-57.49	0.00	57.49	978.09	249.58	494.83	480.92	16.46	-1.581	0.000	0.131
106.00	-7.18	-2.07	0.00	-50.84	0.00	50.84	965.60	244.75	475.88	465.53	17.13	-1.611	0.000	0.117
108.00	-7.05	-2.04	0.00	-46.70	0.00	46.70	952.85	239.93	457.30	450.26	17.81	-1.639	0.000	0.111
110.00	-6.93	-2.01	0.00	-42.61	0.00	42.61	939.85	235.10	439.10	435.11	18.51	-1.667	0.000	0.105
112.00	-6.80	-1.98	0.00	-38.59	0.00	38.59	926.60	230.28	421.26	420.10	19.21	-1.694	0.000	0.099
114.00	-6.68	-1.95	0.00	-34.63	0.00	34.63	913.09	225.45	403.79	405.23	19.93	-1.720	0.000	0.093
116.00	-6.56	-1.92	0.00	-30.73	0.00	30.73	899.33	220.63	386.70	390.51	20.65	-1.745	0.000	0.086
118.00	-6.44	-1.89	0.00	-26.90	0.00	26.90	885.32	215.80	369.97	375.94	21.39	-1.768	0.000	0.079
120.00	-6.32	-1.86	0.00	-23.12	0.00	23.12	871.06	210.98	353.61	361.54	22.13	-1.789	0.000	0.071
122.00	-6.21	-1.83	0.00	-19.40	0.00	19.40	856.54	206.16	337.63	347.31	22.89	-1.809	0.000	0.063
124.00	-6.10	-1.80	0.00	-15.74	0.00	15.74	841.77	201.33	322.01	333.26	23.65	-1.826	0.000	0.055
126.00	-4.53	-1.26	0.00	-12.14	0.00	12.14	826.75	196.51	306.76	319.39	24.42	-1.841	0.000	0.044
128.00	-4.42	-1.23	0.00	-9.62	0.00	9.62	811.45	191.68	291.88	305.71	25.19	-1.853	0.000	0.037
130.00	-4.32	-1.20	0.00	-7.16	0.00	7.16	791.03	186.86	277.37	290.44	25.97	-1.863	0.000	0.030
132.00	-4.22	-1.17	0.00	-4.76	0.00	4.76	770.61	182.03	263.24	275.56	26.75	-1.871	0.000	0.023
134.00	-4.12	-1.15	0.00	-2.41	0.00	2.41	750.18	177.21	249.47	261.07	27.54	-1.876	0.000	0.015
136.00	-0.11	-0.04	0.00	-0.12	0.00	0.12	729.76	172.38	236.07	246.97	28.32	-1.878	0.000	0.001
138.00	-0.04	-0.02	0.00	-0.03	0.00	0.03	709.33	167.56	223.04	233.27	29.11	-1.878	0.000	0.000
139.00	0.00	-0.02	0.00	-0.01	0.00	0.01	699.12	165.15	216.66	226.56	29.50	-1.878	0.000	0.000

Final Analysis Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 62

Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 120 mph Wind	25.7	0.00	35.45	0.00	0.00	2554.29
0.9D + 1.0W 120 mph Wind	25.7	0.00	26.58	0.00	0.00	2510.49
1.2D + 1.0Di + 1.0Wi 50 mph Wind	6.6	0.00	34.23	0.00	0.00	617.42
1.2D + 1.0Ev + 1.0Eh	0.4	0.00	36.89	0.00	0.00	55.44
0.9D + 1.0Ev + 1.0Eh	0.4	0.00	27.96	0.00	0.00	54.45
1.0D + 1.0W 60 mph Wind	5.8	0.00	29.56	0.00	0.00	566.22

Max Stresses

Load Case	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)	Elev (ft)	Stress Ratio
1.2D + 1.0W 120 mph Wind	-22.53	-22.14	0.00	-1270.0	0.00	-1270.0	1850.79	489.91	1429.99	1340.72	53.25	0.961
0.9D + 1.0W 120 mph Wind	-16.62	-21.78	0.00	-1237.1	0.00	-1237.1	1850.79	489.91	1429.99	1340.72	53.25	0.934
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-19.61	-5.35	0.00	-297.28	0.00	-297.28	1850.79	489.91	1429.99	1340.72	53.25	0.232
1.2D + 1.0Ev + 1.0Eh	-24.72	-0.46	0.00	-31.79	0.00	-31.79	1850.79	489.91	1429.99	1340.72	53.25	0.037
0.9D + 1.0Ev + 1.0Eh	-18.75	-0.45	0.00	-31.04	0.00	-31.04	1850.79	489.91	1429.99	1340.72	53.25	0.033
1.0D + 1.0W 60 mph Wind	-19.76	-4.91	0.00	-280.50	0.00	-280.50	1850.79	489.91	1429.99	1340.72	53.25	0.220

Base Plate Summary

Structure:	CT13549-S		**Code:**	TIA-222-H	7/7/2023
Site Name:	Danbury 1		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	1.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 63

SBA

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	50.00	**Bolt Circle:**	53.50
Moment (kip-ft):	2074.00	**Width (in):**	51.50	**Number Bolts:**	12.00
Axial (kip):	21.70	**Style:**	Clipped	**Bolt Type:**	2.25" 18J
Shear (kip):	20.70	**Polygon Sides:**	4.00	**Bolt Diameter (in):**	2.25
Analysis (1.2D + 1.0W)		**Clip Length (in):**	9.00	**Yield (ksi):**	75.00
Moment (kip-ft):	2554.29	**Effective Len (in):**	9.88	**Ultimate (ksi):**	100.00
Axial (kip):	35.45	**Moment (kip-in):**	607.97	**Arrangement:**	Clustered
Shear (kip):	25.73	**Allow Stress (ksi):**	67.50	**Cluster Dist (in):**	6.00
		Applied Stress (ksi):	48.60	**Start Angle (deg):**	45.00
		Stress Ratio:	0.72	Compression	
				Force (kip):	193.93
				Allowable (kip):	268.39
				Ratio:	0.72
				Tension	
				Force (kip):	188.02
				Allowable (kip):	243.75
				Ratio:	0.77

Monopole Mat Foundation Design

Customer Name:	Verizon	TIA Standard:	TIA-222-H
Site Name:		Structure Height (Ft.):	140
Site Number:	CT13549-S	Engineer Name:	SBA Engineer
Engr. Number:		Engineer Login ID:	

Date: 7/7/2023

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

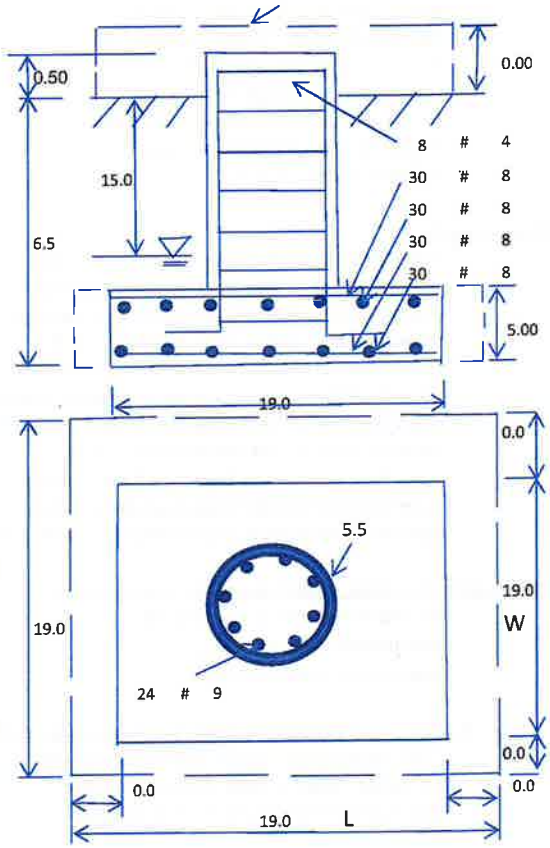
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	35.5	Shear Force (Kips):	25.7
Uplift Force (Kips):	0.0	Moment (Kips-ft):	2554.3

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	5.5	Depth of Base BG (ft.):	6.5
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	5.00
Length of Pad (ft.):	19	Width of Pad (ft.):	19
Final Length of pad (ft)	19.0	Final width of pad (ft):	19.0



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	60	
Vertical Rebar Size #:	9	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	24	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	8	
Concrete Cover (in.):	3	Unit Weight of Concrete:	150.0	pcf
Rebar at the bottom of the concrete pad:				
Qty. of Rebar in Pad (L):	30	Qty. of Rebar in Pad (W):	30	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	30	Qty. of Rebar in Pad (W):	30	

Soil Design Parameters:

Soil Unit Weight (pcf):	115.0	Soil Buoyant Weight:	52.6	Pcf		
Water Table B.G.S. (ft):	15.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	10500	Ultimate Skin Friction:	0	Psf	Angle from Bottm of Pad:	25
Consider Friction for O.T.M. (Y/N):	No	Consider Friction for bearing (Y/N):	No		Angle from Bottm of Pad:	25
Consider soil hor. resist. for OTM.:	No	Reduction factor on the maximum soil bearing pressure:			1.00	

Foundation Analysis and Design: Uplift Strength Reduction Factor: 0.75 — Compression Strength Reduction Factor: 0.75

Total Dry Soil Volume (cu. Ft.):	505.86	Total Dry Soil Weight (Kips):	58.17
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	58.17	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1852.52	Total Dry Concrete Weight (Kips):	277.88
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	277.88	Total Vertical Load on Base (Kips):	371.50

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	5004	<	Allowable Factored Soil Bearing (psf): 7875	0.64	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	3210.0	>	Design Factored Momont (kips-ft): 2734	0.85	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.17	OK!			

Check the capacities of Reinforceing Concrete:

Strength reduction factor (Flexure and axial tension):	0.90	Strength reduction factor (Shear):	0.75		
Strength reduction factor (Axial compresion):	0.65	Wind Load Factor on Concrete Design:	1.00		

(1) Concrete Pier:

					Load/ Capacity Ratio	
Vertical Steel Rebar Area (sq. in./each):	1.00		Tie / Stirrup Area (sq. in./each):	0.20		
Calculated Moment Capacity (Mn,Kips-Ft):	3146.1	>	Design Factored Moment (Mu, Kips-Ft	2605.8	0.83	OK!
Calculated Shear Capacity (Kips):	430.2	>	Design Factored Shear (Kips):	25.7	0.06	OK!
Calculated Tension Capacity (Tn, Kips):	1296.0	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	6006.2	>	Design Factored Axial Load (Pu Kips):	35.5	0.01	OK!
Moment & Axial Strength Combination:	0.83	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.007		Reinforcement Ratio is satisfied per ACI			

(2).Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):	1222.1	>	One-Way Factored Shear (L-D. Kips):	119.7	0.10	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1222.1	>	One-Way Factored Shear (W-D., Kips)	119.7	0.10	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	768.9	>	One-Way Factored Shear (C-C, Kips):	128.3	0.17	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0018	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0018		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	5927.9	>	Moment at Bottom (L-Dir. K-Ft):	849.3	0.14	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	5927.9	>	Moment at Bottom (W-Dir. K-Ft):	849.3	0.14	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	8347.7	>	Moment at Bottom (C-C Dir. K-Ft):	1201.1	0.14	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0018	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0018		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	5927.9	>	Moment at the top (L-Dir K-Ft):	408.2	0.07	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	5927.9	>	Moment at the top (W-Dir K-Ft):	408.2	0.07	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	8347.7	>	Moment at the top (C-C Dir. K-Ft):	383.4	0.05	OK!

(3).Check Punching Shear Capacity due to Moment in the Pier:

Moment transferred by punching shear:	1021.7	k-ft.	Max. factored shear stress v_{u_CD}:	3.2	Psi
Max. factored shear stress v_{u_AB}:	5.4	Psi	Factored shear Strength ϕv_n:	189.7	Psi
Max. factored shear stress v_u:	5.4	Psi	Check Usage of Punching Shear Capacity:	0.03	OK!

(4).Check Bending Capacity of the Pad Within the Effective Slab Width:

Overturning moment to be transferred by flexure:	766.3	k-ft.	Effective Width for resisting OT moment:	19.0	ft.
Calculated number of Rebar in Effective width:	30		Actual number of Rebar in Effective width:	30	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	5927.9	k-ft.	Check Usage of the Flexure Capacity:	0.13	OK!

Colliers Engineering & Design CT. P.C.
1055 Washington Boulevard
Stamford, CT 06901
203.324.0800
peter.albano@collierseng.com

Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10206263
Colliers Engineering & Design CT. P.C. Project #: 23777028 (Rev. 1)

July 10, 2023

Site Information	*Site ID:*	*5000386253-VZW / BROOKFIELD WEST CT*
	Site Name:	*BROOKFIELD WEST CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*52 Stadley Rough Road* *Danbury, Connecticut 06811* *Fairfield County*
	Latitude:	*41.433103°*
	Longitude:	*-73.431917°*
Structure Information	*Tower Type:*	*Monopole*
	Mount Type:	*6.00-Ft T-Arm*

FUZE ID # 17123943

Analysis Results

T-Arm: **32.2% Pass***

***Antennas and equipment to be installed in compliance with PMI Requirements of this mount analysis.**

******Contractor PMI Requirements:***
Included at the end of this MA report
Available & Submitted via portal at https://pmi.vzwsmart.com
For additional questions and support, please reach out to:
pmisupport@colliersengineering.com

Report Prepared By: Selene Chen

Executive Summary:

The objective of this report is to determine the capacity of the antenna support mount at the subject facility for the final wireless telecommunications configuration, per the applicable codes and standards. Any modification listed under Sources of Information was assumed completed and was included in this analysis.

This analysis is inclusive of the mount structure only and does not address the structural capacity of the supporting structure. This mounting frame was not analyzed as an anchor attachment point for fall protection. All climbing activities are required to have a fall protection plan completed by a competent person.

Sources of Information:

Document Type	Remarks
Radio Frequency Data Sheet (RFDS)	*Verizon RFDS, Site ID: 809415, dated February 19, 2021*
Mount Mapping Report	*RKS Design & Engineering, LLC, Site ID: SBA: CT13549, Dated January 9, 2021*
Previous Mount Analysis Report	*Paul J. Ford, Project #: A22721-0005.002.7191 (Rev.1), dated March 16, 2021*
Post-Modification Inspection	*Paul J. Ford, Project #: A22721-0005.002.7191, dated October 27, 2022*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	B
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.980
Seismic Parameters:	S_S:	0.218 g
	S_1:	0.056 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

The following equipment has been considered for the analysis of the mounts:

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
96.00	97.00	1	Raycap	RxxDC-6627-PF-48	Retained
		3	Commscope	TD-850B-LTE78-43	
		6	JMA Wireless	MX06FRO660-03	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		3	Samsung	MT6407-77A	
		2	KAelus	BSF0020F3V1-1	Added

It is acceptable to install up to any three (3) of the OVP model numbers listed below as required at any location other than the mount face without affecting the structural capacity of the mount. If OVP units are installed on the mount face, a mount re-analysis may be required unless replacing an existing OVP.

Model Number	Ports	AKA
DB-B1-6C-12AB-0Z	6	OVP-6
RVZDC-6627-PF-48	12	OVP-12

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design CT. P.C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT. P.C. to verify deviation will not adversely impact the analysis.

2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

   Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping and reported in the Mount Mapping Report are assumed to be corrected and documented as part of the PMI process and are not considered in the mount analysis.

   The mount analysis and the mount mapping are not a condition assessment of the mount. Proper maintenance and condition assessments are still required post analysis.

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.

5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design CT. P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.

7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
   - Channel, Solid Round, Angle, Plate — ASTM A36 (Gr. 36)
   - HSS (Rectangular) — ASTM 500 (Gr. B-46)
   - Pipe — ASTM A53 (Gr. B-35)
   - Threaded Rod — F1554 (Gr. 36)
   - Bolts — ASTM A325

Discrepancies between in-field conditions and the assumptions listed above may render this analysis invalid unless explicitly approved by Colliers Engineering & Design CT. P.C..

Analysis Results:

Component	Utilization %	Pass/Fail
Standoff Horizontal	*13.0 %*	*Pass*
Antenna Pipe	*32.2 %*	*Pass*
Face Horizontal	*30.2 %*	*Pass*
Mod Face Horizontal	*26.1 %*	*Pass*
V-bracing	*4.6 %*	*Pass*
Threaded Rod	*8.4 %*	*Pass*
Connection Check	*19.0 %*	*Pass*

Structure Rating – *(Controlling Utilization of all Components)*	**32.2%**

BASELINE mount weight per SBA agreement: 1141.95 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: No Change

The weights listed above include 3 sectors.

Mount Steel (EPA)a per ANSI/TIA-222-H Section 2.6.11.2:

Ice Thickness (In)	Mount Pipes Excluded		Mount Pipes Included	
	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)	Front (EPA)a (Sq. Ft.)	Side (EPA)a (Sq. Ft.)
0	6.4	0.5	13.5	7.6
0.5	8.6	0.7	18.7	10.8
1	10.6	0.9	23.7	14.0

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 1 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

The existing mounts are **SUFFICIENT** for the final loading configuration shown in attachment 2 and do not require modifications. Additional requirements are noted below.

If required, ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other. Separate review fees will apply.

Attachments:

1. **Contractor Required Post Installation Inspection (PMI) Report Deliverables**
2. Antenna Placement Diagrams
3. Mount Photos
4. Mount Mapping Report (for reference only)
5. Analysis Calculations

Mount Desktop – Post Modification Inspection (PMI) Report Requirements

Documents & Photos Required from Contractor – Passing Mount Analysis

Passing Mount Analysis requires a PMI due to a modification in loading.

Electronic pdf version of this can be downloaded at https://pmi.vzwsmart.com.

For additional questions and support, please reach out to pmisupport@colliersengineering.com

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MDG #: 5000386253 SMART Project #: 10206263 Fuze Project ID: 17123943

Purpose – to provide SMART Tool structural vendor the proper documentation in order to complete the required Mount Desktop review of the Post Modification Inspection Report.

- Contractor is responsible for making certain the photos provided as noted below provide confirmation that the installation was completed in accordance with this Passing Mount Analysis.
- Contractor shall relay any data that can impact the performance of the mount, this includes safety issues.

Base Requirements:

- If installation will cause damage to the structure, the climbing facility, or safety climb if present or any installed system, SMART Tool vendor to be notified prior to install. Any special photos outside of the standard requirements will be indicated on the drawings.
- Provide "as built mount drawings" showing contractor's name, contact information, preparer's signature, and date. Any deviations from the drawings (Proposed modification) shall be shown. NOTE: If loading is different than what is conveyed in the passing mount analysis (MA) contact the SMART Tool vendor immediately.
- Each photo should be time and date stamped
- Photos should be high resolution.
- Contractor shall ensure that the safety climb wire rope is supported and not adversely impacted by the install of the modification components. This may involve the install of wire rope guides, or other items to protect the wire rope. If there is conflict, contact the SMART Tool engineer for recommendations.
- The PMI can be accessed at the following portal: ***https://pmi.vzwsmart.com***

Photo Requirements:

- *Photos taken at ground level*
  - Photo of Gate Signs showing the tower owner, site name, and number.
  - Overall tower structure after installation.
  - Photos of the mount after installation; if the mounts are at different rad elevations, pictures must be provided for all elevations that equipment was installed.
- *Photos taken at Mount Elevation*
  - Photos showing the safety climb wire rope above and below the mount prior to installation.
  - Photos showing the climbing facility and safety climb if present.

- Photos showing each individual sector after installation. Each entire sector shall be in one photo to show the interconnection of members.
  - These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.

☐ The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

☐ The contractor notes that the equipment on the mount is not in accordance with the sketch and has noted the differences below and provided photo documentation of any alterations.

Special Instructions / Validation as required from the MA or any other information the contractor deems necessary to share that was identified:

Issue:

Response:

Special Instruction Confirmation:

☐ The contractor has read and acknowledges the above special instructions.

☐ All hardware listed in the Special Instructions above (if applicable) has been properly installed, and the existing hardware was inspected.

☐ The material utilized was as specified in the SMART Tool engineering vendor Special Instructions above (if applicable) and included in the material certification folder is a packing list or invoice for these materials.

OR

☐ The material utilized was approved by a SMART Tool engineering vendor as an "equivalent" and this approval is included as part of the contractor submission.

Comments:

Contractor certifies that the climbing facility / safety climb was not damaged prior to starting work:

☐ Yes ☐ No

Contractor certifies no new damage created during the current installation:

☐ Yes ☐ No

Contractor to certify the condition of the safety climb and verify no damage when leaving the site:

☐ Safety Climb in Good Condition ☐ Safety Climb Damaged

Certifying Individual:

Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Structure: 5000386253-VZW - BROOKFIELD WEST CT

Sector: A

Structure Type: Monopole

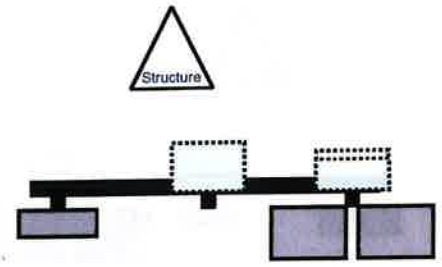
Mount Elev: 96.00

10206263

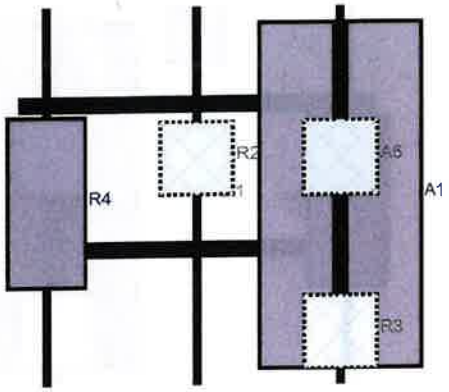
7/10/2023

Colliers Engineering & Design

Plan View



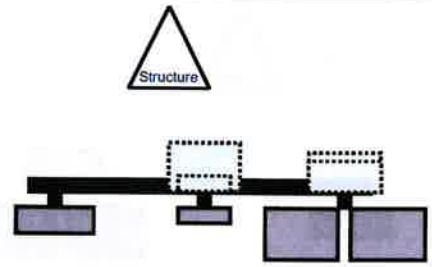
Front View - Looking at Structure



3 2 1

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
A1	MX06FRO660-03	71.3	15.4	66.25	1	a	Front	39	9	Retained	10/18/2022
A1	MX06FRO660-03	71.3	15.4	66.25	1	b	Front	39	-9	Retained	10/18/2022
R3	B5/B13 RRH-BR04C (RFV01U-D2A)	15	15	66.25	1	c	Behind	67.2	0	Retained	10/18/2022
A6	TD-850B-LTE78-43	15.4	15.2	66.25	1	c	Behind	31.2	0	Retained	10/18/2022
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	36.75	2	a	Behind	31.2	0	Retained	10/18/2022
R4	MT6407-77A	35.1	16.1	5.75	3	a	Front	40.2	0	Retained	10/18/2022

Plan View



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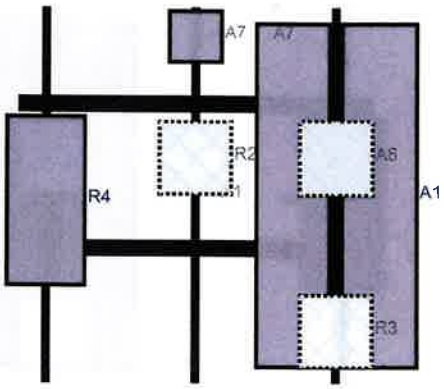

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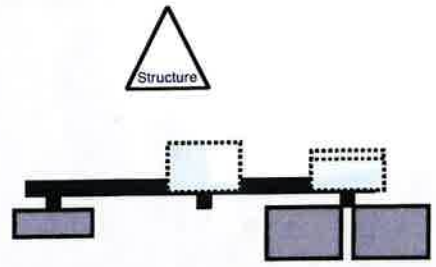
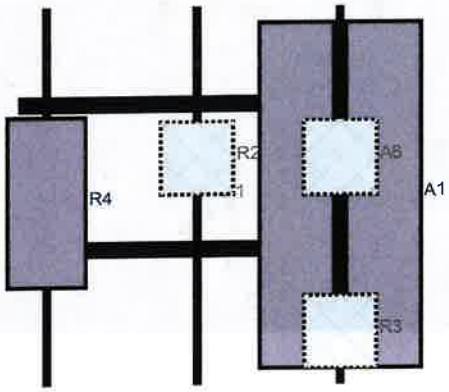
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	36.75	2	a	Behind	31.2	0	Retained	10/18/2022
A7	BSF0020F3V1-1	10.6	10.9	36.75	2	a	Behind	6	0	Added	
A7	BSF0020F3V1-1	10.6	10.9	36.75	2	b	Front	6	0	Added	
R4	MT6407-77A	35.1	16.1	5.75	3	a	Front	40.2	0	Retained	10/18/2022

Colliers Engineering & Design

Plan View



Front View - Looking at Structure



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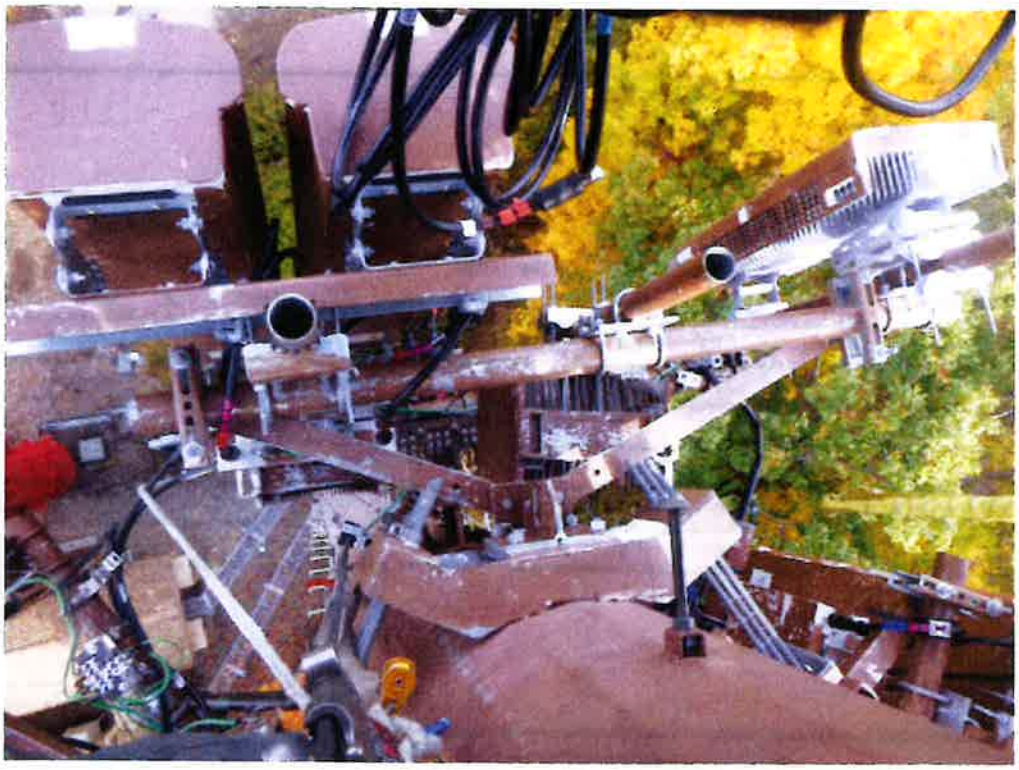
R2	B2/B66A RRH-BR049 (RFV01U-D1A)	15	15	36.75	2	a	Behind	31.2	0	Retained	10/18/2022
R4	MT6407-77A	35.1	16.1	5.75	3	a	Front	40.2	0	Retained	10/18/2022



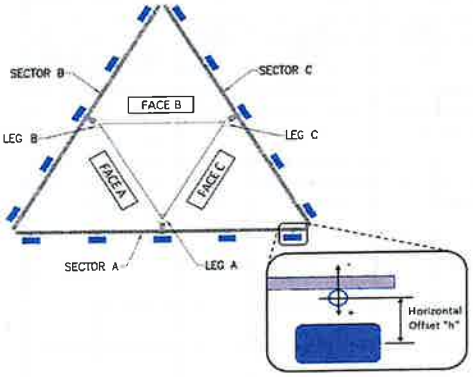
V3.0 Updated on 8-31-2020

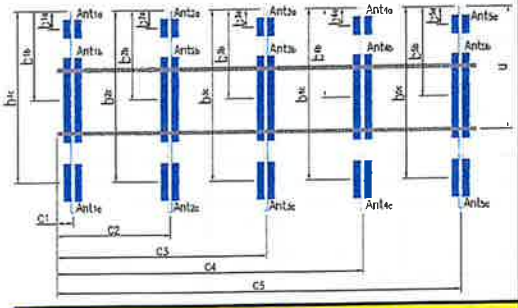
Antenna Mount Mapping Form (PATENT PENDING)

FCC #: 1263107

Tower Owner:	SBA	Mapping Date:	1/9/2021
Site Name:	VZW: BROOKFIELD WEST CT	Tower Type:	Monopole
Site Number or ID:	SBA: CT13549	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC	Mount Elevation (Ft.):	97.75

Please insert the sketches of the antenna mount from the "Sketches" tab with dimensions and members here.





Antenna Layout (Looking Out From Tower)

Mount Pipe Configuration and Geometries [Unit = Inches]

Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	Pipe 2.375"Ø X 0.16" X 84" Long	49.00	5.75	C1	Pipe 2.375"Ø X 0.16" X 84" Long	47.75	5.75
A2	Pipe 2.375"Ø X 0.16" X 78" Long	51.75	36.75	C2	Pipe 2.375"Ø X 0.16" X 78" Long	48.25	36.75
A3	Pipe 2.375"Ø X 0.16" X 78" Long	52.00	66.25	C3	Pipe 2.375"Ø X 0.16" X 78" Long	49.00	66.00
A4				C4			
A5				C5			
A6				C6			
B1	Pipe 2.375"Ø X 0.16" X 84" Long	48.00	5.75	D1			
B2	Pipe 2.375"Ø X 0.16" X 78" Long	48.00	36.75	D2			
B3	Pipe 2.375"Ø X 0.16" X 78" Long	49.00	66.50	D3			
B4				D4			
B5				D5			
B6				D6			

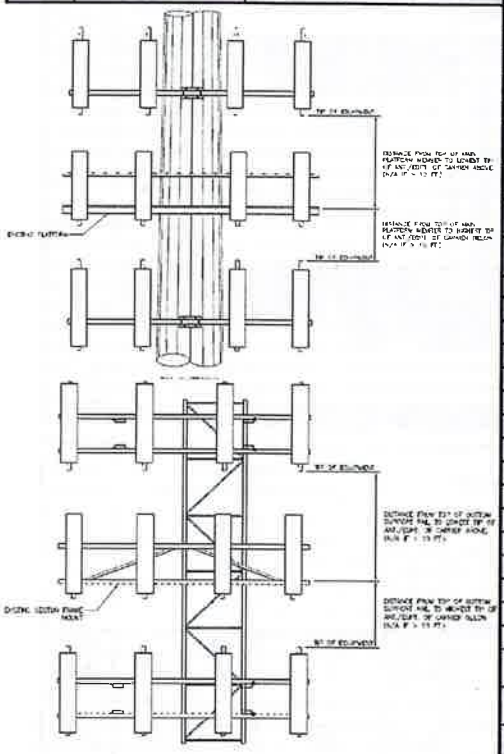
Distance between bottom rail and mount CL elevation (dim d). Unit is Inches. See 'Mount Elev Ref' tab for details. :	
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	4.6
Distance from top of bottom support rail to highest tip of ant./eqpt. of Carrier below. (N/A if > 10 ft.) :	
Please enter additional infomation or comments below.	

Tower Face Width at Mount Elev. (ft.):		Tower Leg Size or Pole Shaft Diameter at Mount Elev. (in.):	25.5

	Enter antenna model. If not labeled, enter "Unknown".						Mounting Locations [Units are inches and degrees]			Photos of antennas
Ants. Items	Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" If Ant. is behind)	Antenna Azimuth (Degrees)	Photo Numbers
Sector A										
Ant_{1a}	9442 RRH2X40-AWS	10.60	6.70	24.40		100.188	19.75	-6.50		16, 150
Ant_{1b}	BXA-171063-12CF-ED	6.10	4.10	72.40		98.7708	36.75	7.75	10.00	16, 150
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		98.6458	41.00	9.00	10.00	16, 155
Ant_{2c}										
Ant_{3a}	(2)FD9R6004/2C-3L	6.50	1.50	5.80		99.0833	36.00	3.25		16, 157
Ant_{3b}	UNKNOWN PANEL	12.00	7.50	51.00		98.7292	40.25	7.50	10.00	16, 157
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Mount Azimuth (Degree) for Each Sector			Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	0.00	Deg	Leg A:	Deg
Sector B:	120.00	Deg	Leg B:	Deg
Sector C:	240.00	Deg	Leg C:	Deg
Sector D:		Deg	Leg D:	Deg

Climbing Facility Information		
Location:	300.00 Deg	N/A
Climbing Facility	Corrosion Type:	N/A
	Access:	Climbing path was unobstructed.
	Condition:	Good condition.



Sector B											
Ant_{1a}	9442 RRH2X40-AWS	10.60	6.70	24.40		100.146	19.25	-6.50		24, 160
Ant_{1b}	BXA-171063-12CF-ED	6.10	4.10	72.40		98.6875	36.75	7.75	130.00	24, 160
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		98.2292	42.25	9.00	130.00	24, 164
Ant_{2c}										
Ant_{3a}	(2)FD9R6004/2C-3L	6.50	1.50	5.80		98.8333	36.00	3.25		24, 170
Ant_{3b}	UNKNOWN PANEL	12.00	7.50	51.00		98.4167	41.00	7.50	130.00	24, 171
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower	RRFDC-3315-PF-48	15.73	10.25	25.66			25.25			24, 167
Ant on Tower										
Sector C										
Ant_{1a}	9442 RRH2X40-AWS	10.60	6.70	24.40		100.208	18.25	-6.50		30, 174
Ant_{1b}	BXA-171063-12CF-ED	6.10	4.10	72.40		98.6667	36.75	7.75	250.00	30, 173
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	BXA-70063-6CF-EDIN	11.20	5.20	71.00		98.2708	42.00	9.00	250.00	30, 179
Ant_{2c}										
Ant_{3a}	(2)FD9R6004/2C-3L	6.50	1.50	5.80		98.8333	36.00	3.25		30, 180
Ant_{3b}	UNKNOWN PANEL	12.00	7.50	51.00		98.4583	40.50	7.50	250.00	30, 181
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector D										
Ant_{1a}										
Ant_{1b}										
Ant_{1c}										
Ant_{2a}										
Ant_{2b}										
Ant_{2c}										
Ant_{3a}										
Ant_{3b}										
Ant_{3c}										
Ant_{4a}										
Ant_{4b}										
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #

1	COAX:TOTAL(13): (12)FH 1-5/8, (1)1.5"Ø	46
2		
3		
4		
5		
6		
7		
8		

Mapping Notes
1. Please report any visible structural or safety issues observed on the antenna mounts (Damaged members, loose connections, tilting mounts, safety climb issues, etc.)
2. If the thickness of the existing pipes or tubing can't be obtained from a general tool (such as Caliper), please use an ultrasonic measurement tool (thickness gauge) to measure the thickness.
3. Please create all required detail sketches of the mounts and insert them into the "Sketches" tab.
4. Please measure and enter the bolt sizes and types under the Members Box in the spreadsheet of the mount type.
5. Take and label the photos of the tower, mounts, connections, antennas and all measurements. Minimum 50 photos are required.
6. Please measure and report the size and length of all existing antenna mounting pipes.
7. Please measure and report the antenna information for all sectors.
8. Don't delete or rearrange any sheet or contents of any sheet from this mapping form.

Standard Conditions
1. Obvious safety and structural issues/deficiencies noticed at the time of the mount mapping are to be reported in this mapping. However, this mount mapping is not a condition assessment of the mount.

V3.0 Updated on 8-31-2020

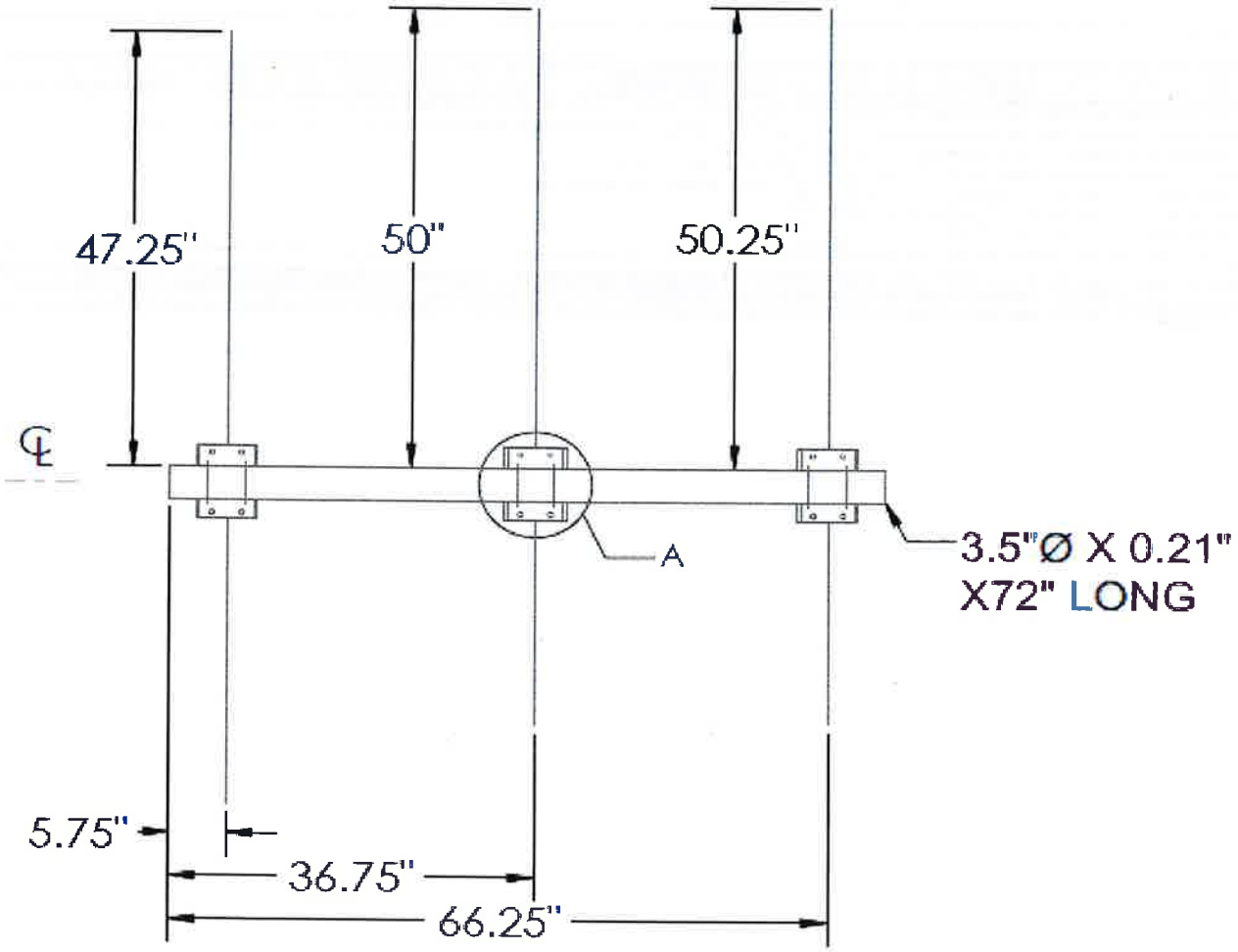
MASER CONSULTING P.A.

Antenna Mount Mapping Form (PATENT PENDING)

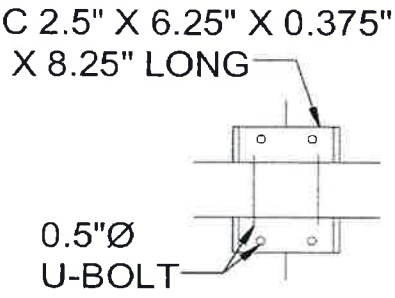
FCC # 1263107

Tower Owner:	SBA	Mapping Date:	1/9/2021
Site Name:	VZW: BROOKFIELD WEST CT	Tower Type:	Monopole
Site Number or ID:	SBA: CT13549	Tower Height (Ft.):	UNKNOWN
Mapping Contractor:	RKS Design & Engineering LLC	Mount Elevation (Ft.):	97.75

Please Insert Sketches of the Antenna Mount

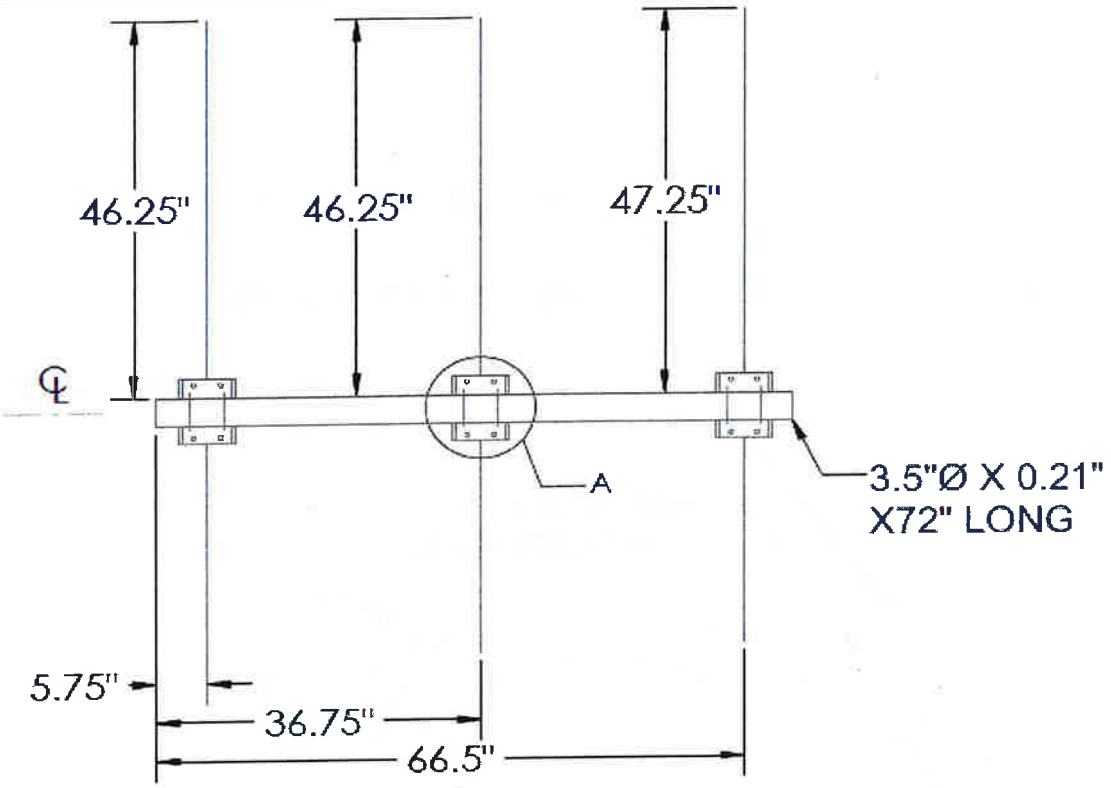


SECTOR A

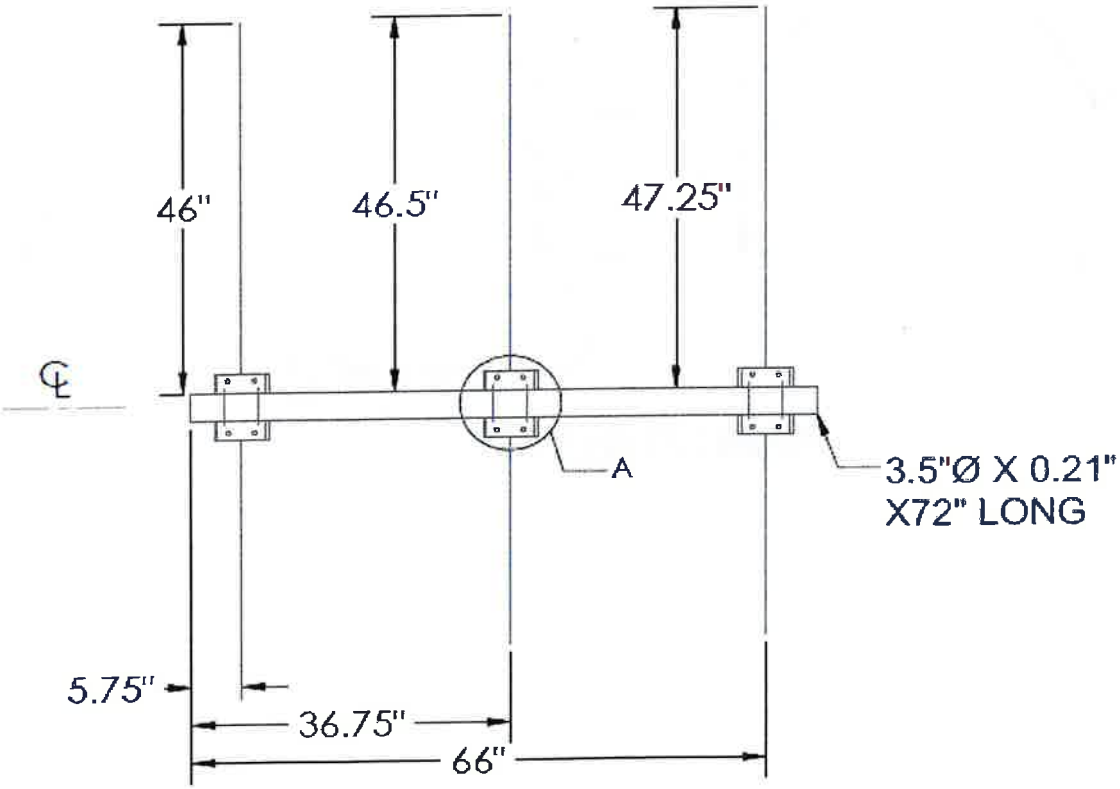


DETAIL A

Please Insert Sketches of the Antenna Mount, cont'd

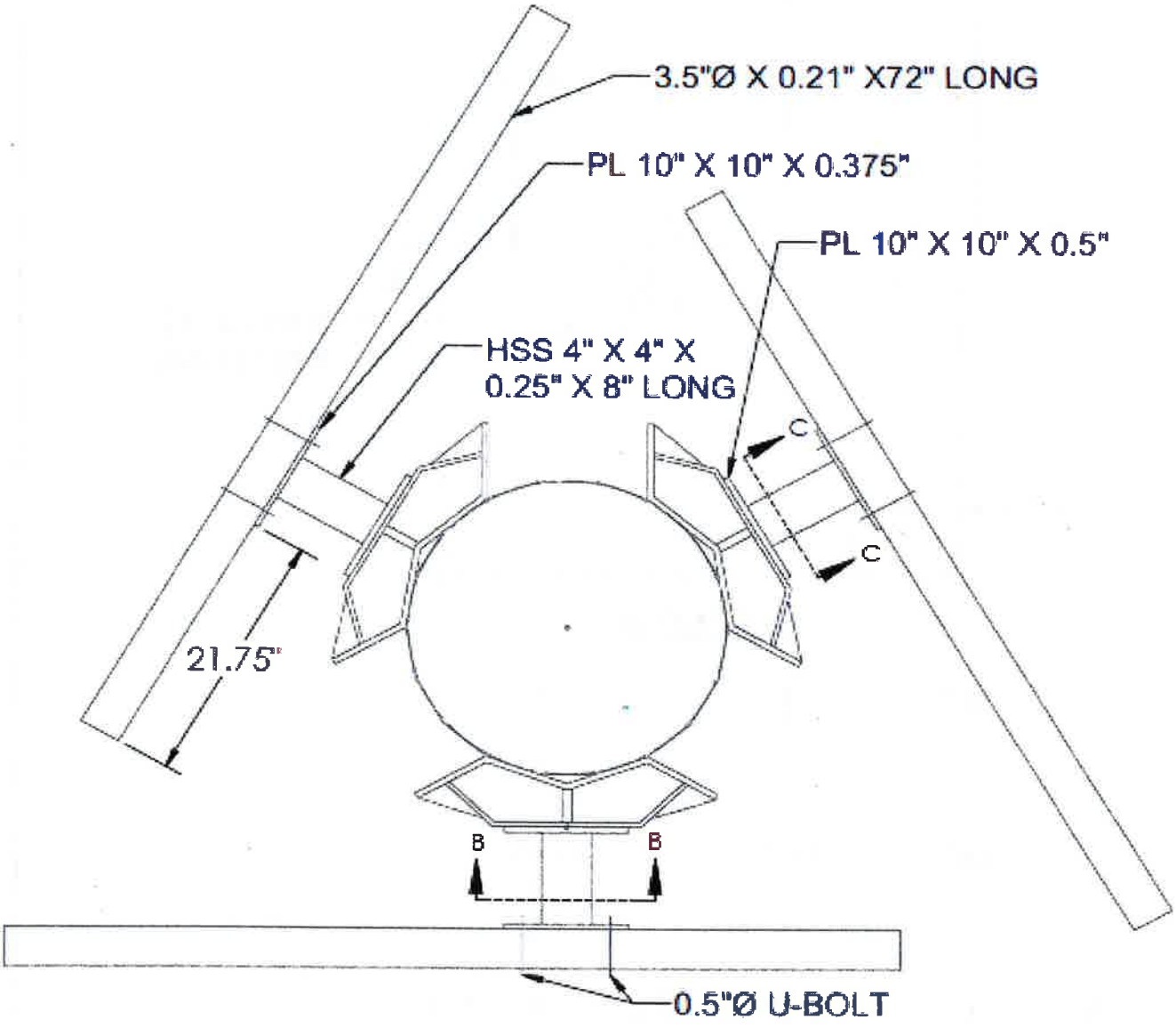


SECTOR B



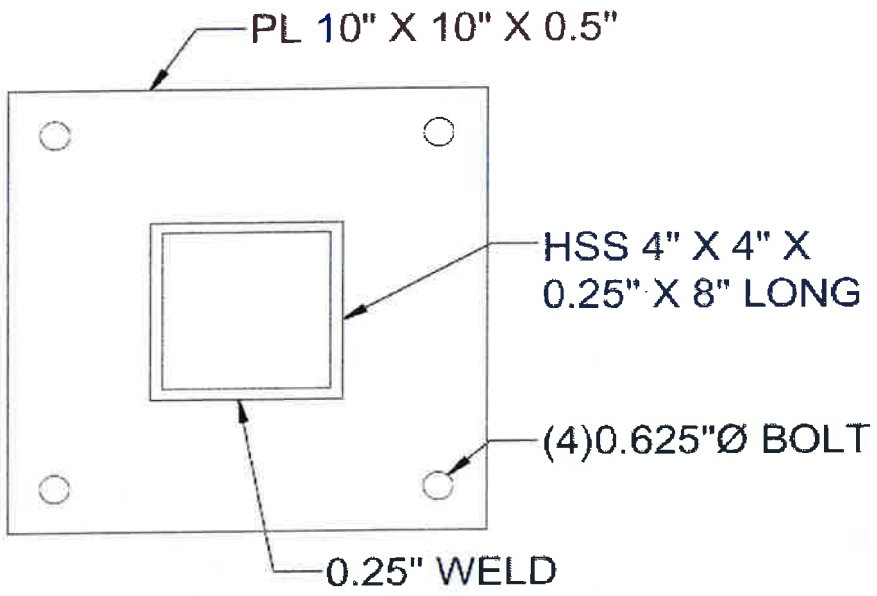
SECTOR C

Please Insert Sketches of the Antenna Mount, cont'd

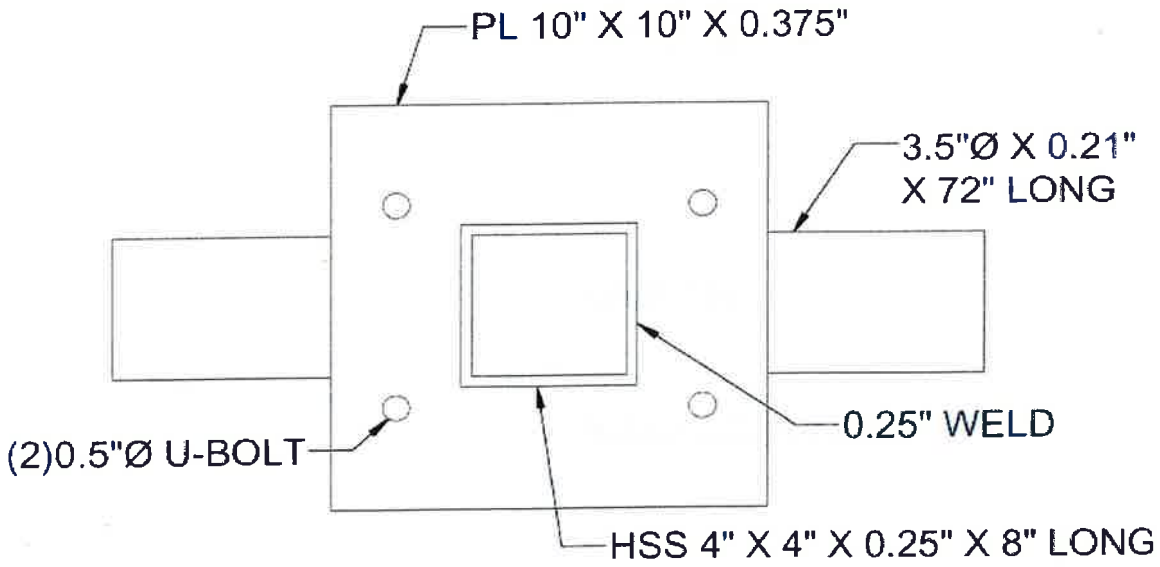


MOUNT PLAN VIEW

Please Insert Sketches of the Antenna Mount, cont'd

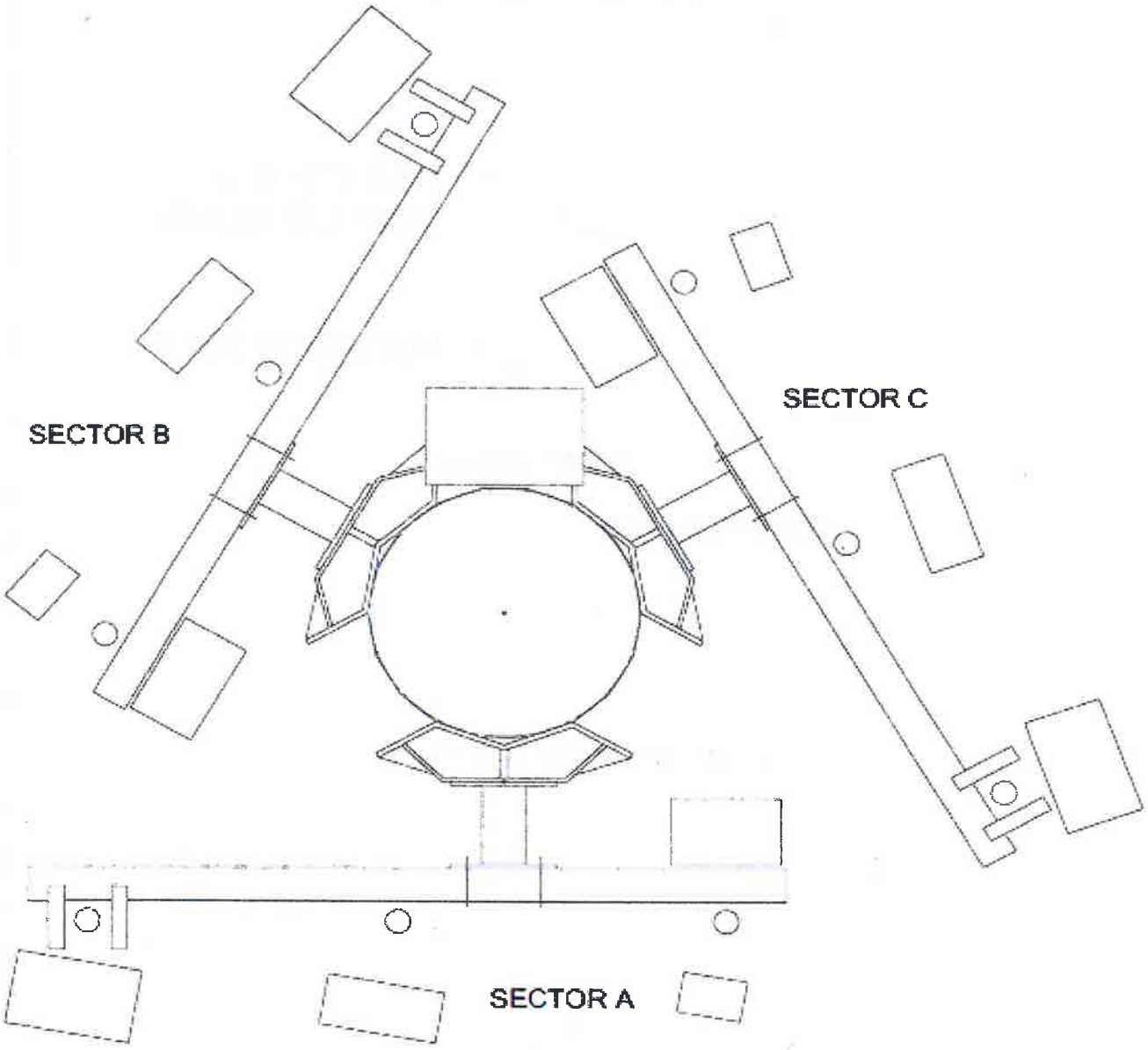


SECTION B-B

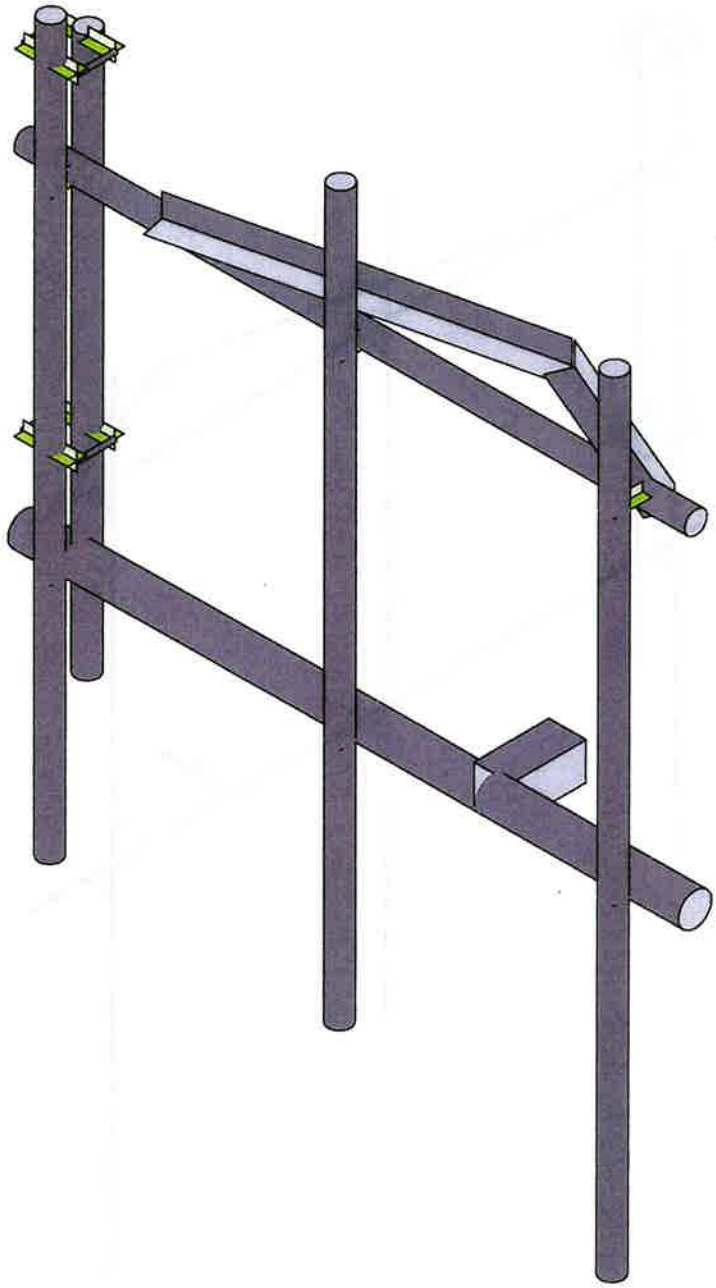


SECTION C-C

Please Insert Sketches of the Antenna Mount, cont'd

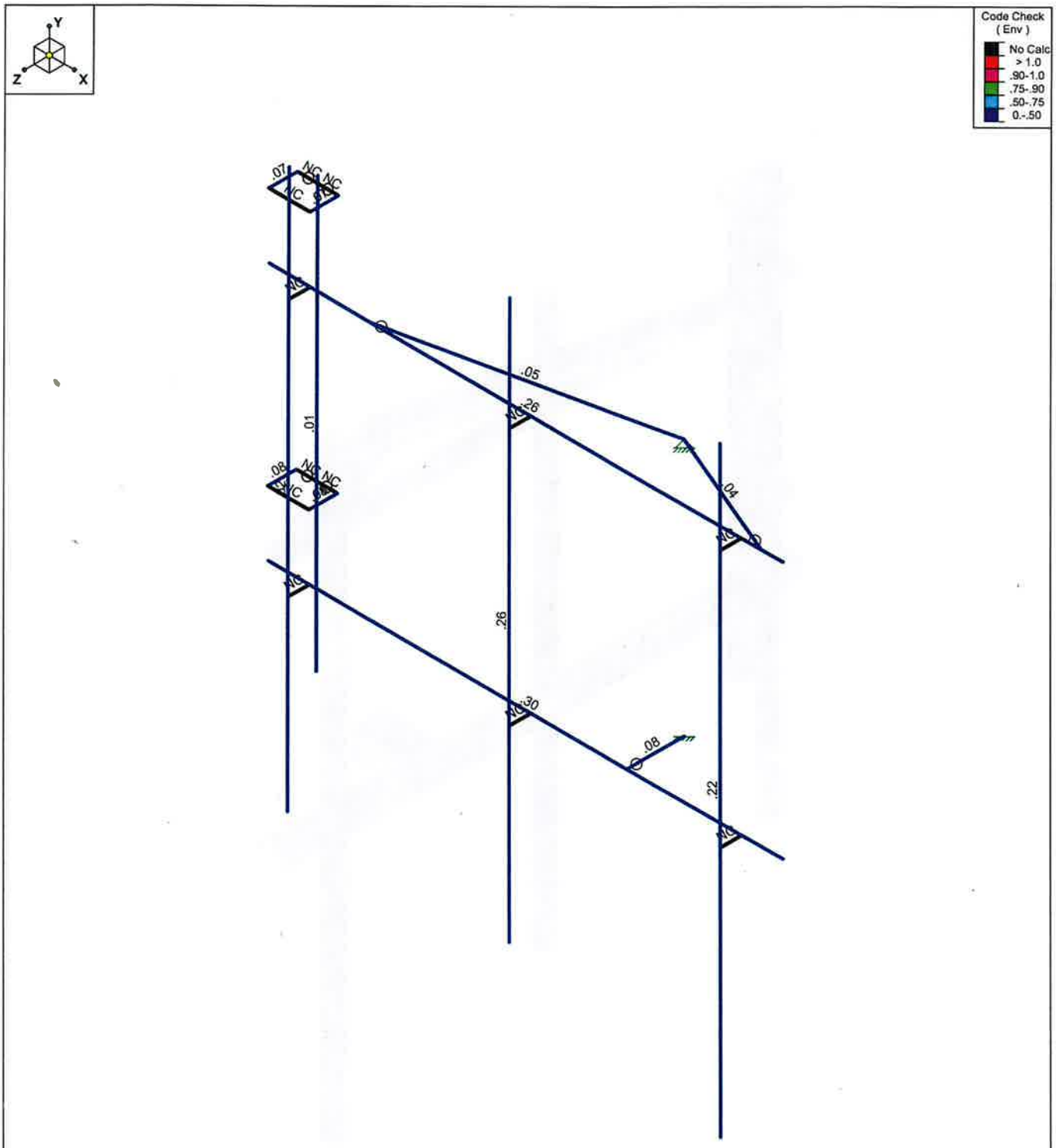


ANTENNA PLAN VIEW



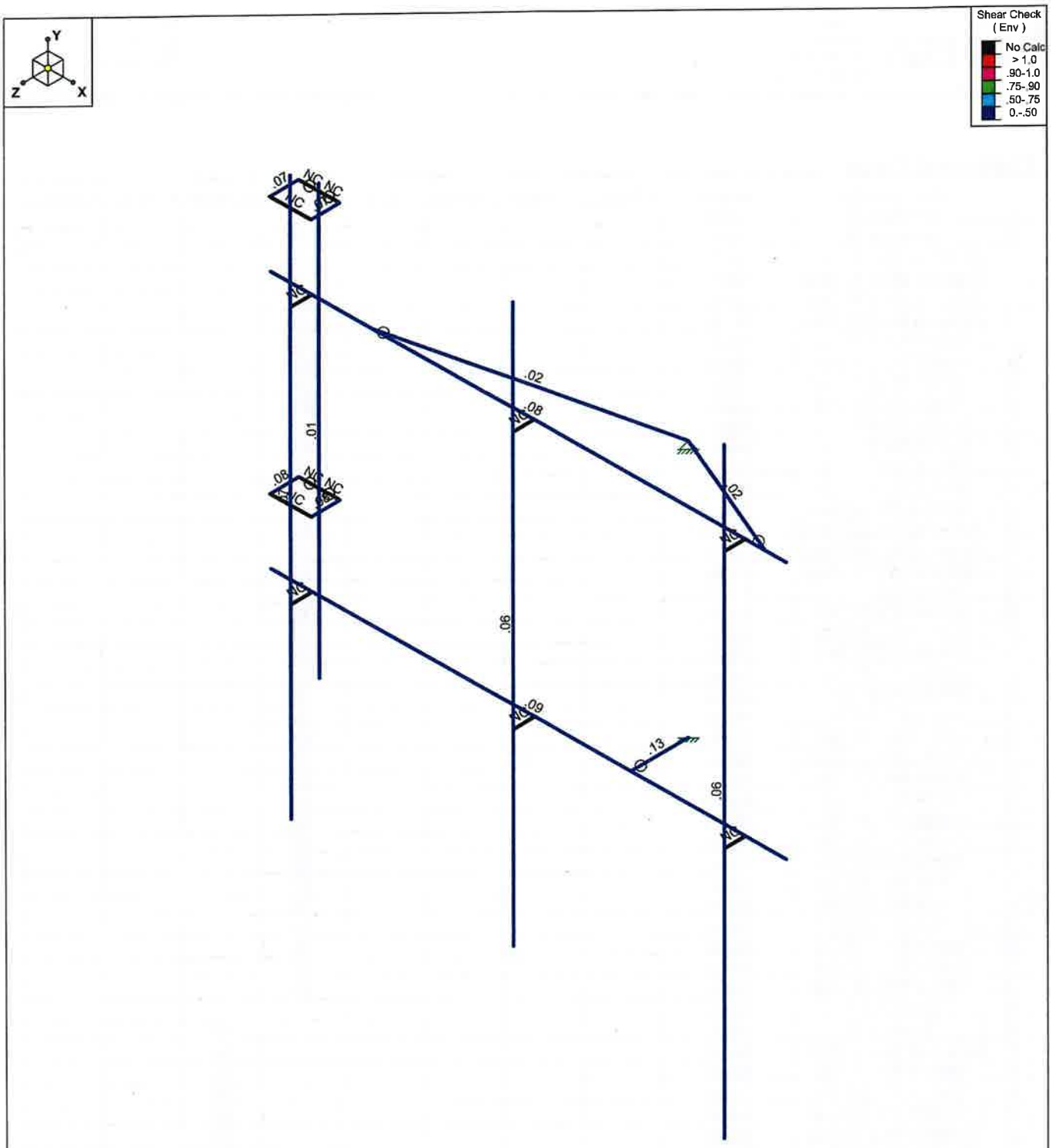
Envelope Only Solution

		SK - 1
		July 5, 2023 at 3:20 PM
		5000386253-VZW_MT_LOT_B_H....



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		July 5, 2023 at 3:20 PM
		5000386253-VZW_MT_LOT_B_H....



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		July 5, 2023 at 3:20 PM
		5000386253-VZW_MT_LOT_B_H....

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					39			
2	Antenna Di	None					39			
3	Antenna Wo (0 Deg)	None					39			
4	Antenna Wo (30 Deg)	None					39			
5	Antenna Wo (60 Deg)	None					39			
6	Antenna Wo (90 Deg)	None					39			
7	Antenna Wo (120 Deg)	None					39			
8	Antenna Wo (150 Deg)	None					39			
9	Antenna Wo (180 Deg)	None					39			
10	Antenna Wo (210 Deg)	None					39			
11	Antenna Wo (240 Deg)	None					39			
12	Antenna Wo (270 Deg)	None					39			
13	Antenna Wo (300 Deg)	None					39			
14	Antenna Wo (330 Deg)	None					39			
15	Antenna Wi (0 Deg)	None					39			
16	Antenna Wi (30 Deg)	None					39			
17	Antenna Wi (60 Deg)	None					39			
18	Antenna Wi (90 Deg)	None					39			
19	Antenna Wi (120 Deg)	None					39			
20	Antenna Wi (150 Deg)	None					39			
21	Antenna Wi (180 Deg)	None					39			
22	Antenna Wi (210 Deg)	None					39			
23	Antenna Wi (240 Deg)	None					39			
24	Antenna Wi (270 Deg)	None					39			
25	Antenna Wi (300 Deg)	None					39			
26	Antenna Wi (330 Deg)	None					39			
27	Antenna Wm (0 Deg)	None					39			
28	Antenna Wm (30 Deg)	None					39			
29	Antenna Wm (60 Deg)	None					39			
30	Antenna Wm (90 Deg)	None					39			
31	Antenna Wm (120 Deg)	None					39			
32	Antenna Wm (150 Deg)	None					39			
33	Antenna Wm (180 Deg)	None					39			
34	Antenna Wm (210 Deg)	None					39			
35	Antenna Wm (240 Deg)	None					39			
36	Antenna Wm (270 Deg)	None					39			
37	Antenna Wm (300 Deg)	None					39			
38	Antenna Wm (330 Deg)	None					39			
39	Structure D	None		-1						
40	Structure Di	None						13		
41	Structure Wo (0 Deg)	None						26		
42	Structure Wo (30 Deg)	None						26		
43	Structure Wo (60 Deg)	None						26		
44	Structure Wo (90 Deg)	None						26		
45	Structure Wo (120 Deg)	None						26		
46	Structure Wo (150 Deg)	None						26		
47	Structure Wo (180 Deg)	None						26		
48	Structure Wo (210 Deg)	None						26		
49	Structure Wo (240 Deg)	None						26		
50	Structure Wo (270 Deg)	None						26		
51	Structure Wo (300 Deg)	None						26		
52	Structure Wo (330 Deg)	None						26		
53	Structure Wi (0 Deg)	None						26		
54	Structure Wi (30 Deg)	None						26		
55	Structure Wi (60 Deg)	None						26		
56	Structure Wi (90 Deg)	None						26		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
57	Structure Wi (120 Deg)	None						26		
58	Structure Wi (150 Deg)	None						26		
59	Structure Wi (180 Deg)	None						26		
60	Structure Wi (210 Deg)	None						26		
61	Structure Wi (240 Deg)	None						26		
62	Structure Wi (270 Deg)	None						26		
63	Structure Wi (300 Deg)	None						26		
64	Structure Wi (330 Deg)	None						26		
65	Structure Wm (0 Deg)	None						26		
66	Structure Wm (30 Deg)	None						26		
67	Structure Wm (60 Deg)	None						26		
68	Structure Wm (90 Deg)	None						26		
69	Structure Wm (120 Deg)	None						26		
70	Structure Wm (150 Deg)	None						26		
71	Structure Wm (180 Deg)	None						26		
72	Structure Wm (210 Deg)	None						26		
73	Structure Wm (240 Deg)	None						26		
74	Structure Wm (270 Deg)	None						26		
75	Structure Wm (300 Deg)	None						26		
76	Structure Wm (330 Deg)	None						26		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					39			
82	Antenna Eh (0 Deg)	None					26			
83	Antenna Eh (90 Deg)	None					26			
84	Structure Ev	ELY		-.047						
85	Structure Eh (0 Deg)	ELZ			-.116					
86	Structure Eh (90 Deg)	ELX	.116							

Load Combinations

	Description	So...	P...	S...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...	BLC	Fac...
1	1.2D+1.0Wo (0 Deg)	Yes	Y		1	1.2	39	1.2	3	1	41	1										
2	1.2D+1.0Wo (30 Deg)	Yes	Y		1	1.2	39	1.2	4	1	42	1										
3	1.2D+1.0Wo (60 Deg)	Yes	Y		1	1.2	39	1.2	5	1	43	1										
4	1.2D+1.0Wo (90 Deg)	Yes	Y		1	1.2	39	1.2	6	1	44	1										
5	1.2D+1.0Wo (120 Deg)	Yes	Y		1	1.2	39	1.2	7	1	45	1										
6	1.2D+1.0Wo (150 Deg)	Yes	Y		1	1.2	39	1.2	8	1	46	1										
7	1.2D+1.0Wo (180 Deg)	Yes	Y		1	1.2	39	1.2	9	1	47	1										
8	1.2D+1.0Wo (210 Deg)	Yes	Y		1	1.2	39	1.2	10	1	48	1										
9	1.2D+1.0Wo (240 Deg)	Yes	Y		1	1.2	39	1.2	11	1	49	1										
10	1.2D+1.0Wo (270 Deg)	Yes	Y		1	1.2	39	1.2	12	1	50	1										
11	1.2D+1.0Wo (300 Deg)	Yes	Y		1	1.2	39	1.2	13	1	51	1										
12	1.2D+1.0Wo (330 Deg)	Yes	Y		1	1.2	39	1.2	14	1	52	1										
13	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1						
15	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1						
16	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1						
17	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1						
18	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1						
19	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1						
20	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1						
21	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1						
22	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1						

Load Combinations (Continued)

	Description	So..	P...	S...	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..	BLC	Fac..
23	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (...	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1								
25	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1										
26	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1										
27	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1										
28	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1										
29	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1										
30	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1										
31	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1										
32	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1										
33	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1										
34	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1										
35	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1										
36	1.2D + 1.5Lm1 + 1.0W...	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1										
37	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1										
38	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1										
39	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1										
40	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1										
41	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1										
42	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1										
43	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1										
44	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1										
45	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1										
46	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1										
47	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1										
48	1.2D + 1.5Lm2 + 1.0W...	Yes	Y		1	1.2	39	1.2	78	1.5	38	1	76	1										
49	1.2D + 1.5Lv1	Yes	Y		1	1.2	39	1.2	79	1.5														
50	1.2D + 1.5Lv2	Yes	Y		1	1.2	39	1.2	80	1.5														
51	1.4D	Yes	Y		1	1.4	39	1.4																
52	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	1	83		ELZ	1	ELX					
53	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	.5	ELZ	.866	ELX	.5				
54	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	.866	ELZ	.5	ELX	.866				
55	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	1	ELZ		ELX	1				
56	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
57	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
58	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-1	83		ELZ	-1	ELX					
59	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
60	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
61	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82		83	-1	ELZ		ELX	-1				
62	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
63	1.2D + 1.0Ev + 1.0Eh ...	Yes	Y		1	1.2	39	1.2	81	1	ELY	1	82	.866	83	-.5	ELZ	.866	ELX	-.5				
64	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	1	83		ELZ	1	ELX					
65	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	.5	ELZ	.866	ELX	.5				
66	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	.866	ELZ	.5	ELX	.866				
67	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	1	ELZ		ELX	1				
68	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	.866	ELZ	-.5	ELX	.866				
69	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	.5	ELZ	-.866	ELX	.5				
70	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-1	83		ELZ	-1	ELX					
71	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.866	83	-.5	ELZ	-.866	ELX	-.5				
72	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	-.5	83	-.866	ELZ	-.5	ELX	-.866				
73	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82		83	-1	ELZ		ELX	-1				
74	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.5	83	-.866	ELZ	.5	ELX	-.866				
75	0.9D - 1.0Ev + 1.0Eh (...	Yes	Y		1	.9	39	.9	81	-1	ELY	-1	82	.866	83	-.5	ELZ	.866	ELX	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N13A	-3.708333	4.333333	0.916667	0	
2	N14	-3.708333	-2.166667	0.916667	0	
3	N3	0.	0	0.666667	0	
4	N11	0.	0	0	0	
5	N5	1.8125	0	0.666667	0	
6	N6	-4.1875	0	0.666667	0	
7	N7	-3.708333	0	0.916667	0	
8	N8	-3.708333	0	0.666667	0	
9	N9	-1.125	4.3125	0.916667	0	
10	N10	-1.125	-2.1875	0.916667	0	
11	N11A	-1.125	0	0.916667	0	
12	N12	-1.125	0	0.666667	0	
13	N13	1.333333	4.083333	0.916667	0	
14	N14A	1.333333	-2.916667	0.916667	0	
15	N15	1.333333	0	0.916667	0	
16	N16	1.333333	0	0.666667	0	
17	N17	1.8125	3	0.666667	0	
18	N18	-4.1875	3	0.666667	0	
19	N19	-3.708333	3	0.916667	0	
20	N20	-3.708333	3	0.666667	0	
21	N21	-1.125	3	0.916667	0	
22	N22	-1.125	3	0.666667	0	
23	N23	1.333333	3	0.916667	0	
24	N24	1.333333	3	0.666667	0	
25	N25	-3	3	0.666667	0	
26	N26	0.	3	0	0	
27	N27	1.5625	3	0.666667	0	
28	N28	-3.708333	4	0.916667	0	
29	N29	-3.708333	1	0.916667	0	
30	N30	-3.46875	4	0.916667	0	
31	N31	-3.46875	1	0.916667	0	
32	N32	-3.947917	4	0.916667	0	
33	N33	-3.947917	1	0.916667	0	
34	N34	-3.708333	4	0.583333	0	
35	N35	-3.708333	1	0.583333	0	
36	N36	-3.46875	4	0.583333	0	
37	N37	-3.46875	1	0.583333	0	
38	N38	-3.947917	4	0.583333	0	
39	N39	-3.947917	1	0.583333	0	
40	N40	-3.708333	4.083333	0.583333	0	
41	N41	-3.708333	-0.916667	0.583333	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Antenna Pipe	PIPE_2.0	Column	Pipe	A53 Gr. B (...	Typical	1.02	.627	.627	1.25
2	Mod Face Horizontal	PIPE_2.0	Beam	Pipe	A53 Gr. B (...	Typical	1.02	.627	.627	1.25
3	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr. B (...	Typical	2.07	2.85	2.85	5.69
4	Standoff Horizontal	HSS4X4X4	Beam	Tube	A500 Gr. B ...	Typical	3.37	7.8	7.8	12.8
5	V-bracing	L2.5x2.5x3	Beam	Single Angle	A36	Typical	.901	.535	.535	.011
6	Threaded Rod	SR_0.5	Beam	BAR	A36	Typical	.196	.003	.003	.006

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/f...	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A53 Gr. B (35 ksi)	29000	11154	.3	.65	.49	35	1.5	60	1.2
2	A500 Gr. B (46ksi)	29000	11154	.3	.65	.49	46	1.5	58	1.2
3	A36	29000	11154	.3	.65	.49	36	1.5	58	1.2
4	Q235 Gr B	29000	11154	.3	.65	.49	34	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M4	N7	N8			RIGID	None	None	RIGID	Typical
2	M6	N11A	N12			RIGID	None	None	RIGID	Typical
3	M8	N15	N16			RIGID	None	None	RIGID	Typical
4	M10	N19	N20			RIGID	None	None	RIGID	Typical
5	M11	N21	N22			RIGID	None	None	RIGID	Typical
6	M12	N23	N24			RIGID	None	None	RIGID	Typical
7	M2	N3	N11			Standoff Horiz...	Beam	Tube	A500 Gr. ...	Typical
8	MP3A	N13A	N14			Antenna Pipe	Column	Pipe	A53 Gr. B ...	Typical
9	CBC1	N6	N5			Face Horizontal	Beam	Pipe	A53 Gr. B ...	Typical
10	MP2A	N9	N10			Antenna Pipe	Column	Pipe	A53 Gr. B ...	Typical
11	MP1A	N13	N14A			Antenna Pipe	Column	Pipe	A53 Gr. B ...	Typical
12	M9	N18	N17			Mod Face Hori..	Beam	Pipe	A53 Gr. B ...	Typical
13	M13	N26	N25		270	V-bracing	Beam	Single Angle	A36	Typical
14	M14	N26	N27			V-bracing	Beam	Single Angle	A36	Typical
15	M15	N33	N31			RIGID	None	None	RIGID	Typical
16	M16	N39	N35			RIGID	None	None	RIGID	Typical
17	M17	N32	N30			RIGID	None	None	RIGID	Typical
18	M18	N38	N34			RIGID	None	None	RIGID	Typical
19	M19	N32	N38			Threaded Rod	Beam	BAR	A36	Typical
20	M20	N30	N36			Threaded Rod	Beam	BAR	A36	Typical
21	M21	N31	N37			Threaded Rod	Beam	BAR	A36	Typical
22	M22	N33	N39			Threaded Rod	Beam	BAR	A36	Typical
23	MP4A	N40	N41			Antenna Pipe	Column	Pipe	A53 Gr. B ...	Typical
24	M24	N35	N37			RIGID	None	None	RIGID	Typical
25	M25	N34	N36			RIGID	None	None	RIGID	Typical

Member Advanced Data

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
1	M4						Yes	** NA **			None
2	M6						Yes	** NA **			None
3	M8						Yes	** NA **			None
4	M10						Yes	** NA **			None
5	M11						Yes	** NA **			None
6	M12						Yes	** NA **			None
7	M2	OOOOOX					Yes				None
8	MP3A						Yes	** NA **			None
9	CBC1						Yes				None
10	MP2A						Yes	** NA **			None
11	MP1A						Yes	** NA **			None
12	M9						Yes				None
13	M13		BenPIN				Yes				None
14	M14		BenPIN				Yes				None
15	M15						Yes	** NA **			None
16	M16		OOOXOO				Yes	** NA **			None
17	M17						Yes	** NA **			None
18	M18		OOOXOO				Yes	** NA **			None

Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
19	M19						Yes				None
20	M20						Yes				None
21	M21						Yes				None
22	M22						Yes				None
23	MP4A						Yes	** NA **			None
24	M24	OOOXOX					Yes	** NA **			None
25	M25	OOOXOX					Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-23	.5
2	MP1A	My	-.017	.5
3	MP1A	Mz	.017	.5
4	MP1A	Y	-23	6
5	MP1A	My	-.017	6
6	MP1A	Mz	.017	6
7	MP1A	Y	-23	.5
8	MP1A	My	-.017	.5
9	MP1A	Mz	-.017	.5
10	MP1A	Y	-23	6
11	MP1A	My	-.017	6
12	MP1A	Mz	-.017	6
13	MP2A	Y	-42.2	2.6
14	MP2A	My	-.032	2.6
15	MP2A	Mz	0	2.6
16	MP2A	Y	-42.2	2.6
17	MP2A	My	-.032	2.6
18	MP2A	Mz	0	2.6
19	MP1A	Y	-35.15	5.6
20	MP1A	My	.026	5.6
21	MP1A	Mz	0	5.6
22	MP1A	Y	-35.15	5.6
23	MP1A	My	.026	5.6
24	MP1A	Mz	0	5.6
25	MP3A	Y	-43.55	2.4
26	MP3A	My	-.033	2.4
27	MP3A	Mz	0	2.4
28	MP3A	Y	-43.55	4.3
29	MP3A	My	-.033	4.3
30	MP3A	Mz	0	4.3
31	MP1A	Y	-17.6	1
32	MP1A	My	.009	1
33	MP1A	Mz	0	1
34	MP1A	Y	-26.45	2.6
35	MP1A	My	.02	2.6
36	MP1A	Mz	0	2.6
37	MP1A	Y	-26.45	2.6
38	MP1A	My	.02	2.6
39	MP1A	Mz	0	2.6

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-79.278	.5
2	MP1A	My	-.059	.5
3	MP1A	Mz	.059	.5

Member Point Loads (BLC 2 : Antenna Di) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	Y	-79.278	6
5	MP1A	My	-.059	6
6	MP1A	Mz	.059	6
7	MP1A	Y	-79.278	.5
8	MP1A	My	-.059	.5
9	MP1A	Mz	-.059	.5
10	MP1A	Y	-79.278	6
11	MP1A	My	-.059	6
12	MP1A	Mz	-.059	6
13	MP2A	Y	-21.546	2.6
14	MP2A	My	-.016	2.6
15	MP2A	Mz	0	2.6
16	MP2A	Y	-21.546	2.6
17	MP2A	My	-.016	2.6
18	MP2A	Mz	0	2.6
19	MP1A	Y	-19.371	5.6
20	MP1A	My	.015	5.6
21	MP1A	Mz	0	5.6
22	MP1A	Y	-19.371	5.6
23	MP1A	My	.015	5.6
24	MP1A	Mz	0	5.6
25	MP3A	Y	-34.199	2.4
26	MP3A	My	-.026	2.4
27	MP3A	Mz	0	2.4
28	MP3A	Y	-34.199	4.3
29	MP3A	My	-.026	4.3
30	MP3A	Mz	0	4.3
31	MP1A	Y	-16.595	1
32	MP1A	My	.008	1
33	MP1A	Mz	0	1
34	MP1A	Y	-17.928	2.6
35	MP1A	My	.013	2.6
36	MP1A	Mz	0	2.6
37	MP1A	Y	-17.928	2.6
38	MP1A	My	.013	2.6
39	MP1A	Mz	0	2.6

Member Point Loads (BLC 3 : Antenna Wo (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-71.38	.5
3	MP1A	Mx	-.054	.5
4	MP1A	X	0	6
5	MP1A	Z	-71.38	6
6	MP1A	Mx	-.054	6
7	MP1A	X	0	.5
8	MP1A	Z	-71.38	.5
9	MP1A	Mx	.054	.5
10	MP1A	X	0	6
11	MP1A	Z	-71.38	6
12	MP1A	Mx	.054	6
13	MP2A	X	0	2.6
14	MP2A	Z	-23.391	2.6
15	MP2A	Mx	0	2.6
16	MP2A	X	0	2.6
17	MP2A	Z	-23.391	2.6

Member Point Loads (BLC 3 : Antenna Wo (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	0	2.6
19	MP1A	X	0	5.6
20	MP1A	Z	-23.391	5.6
21	MP1A	Mx	0	5.6
22	MP1A	X	0	5.6
23	MP1A	Z	-23.391	5.6
24	MP1A	Mx	0	5.6
25	MP3A	X	0	2.4
26	MP3A	Z	-59.157	2.4
27	MP3A	Mx	0	2.4
28	MP3A	X	0	4.3
29	MP3A	Z	-59.157	4.3
30	MP3A	Mx	0	4.3
31	MP1A	X	0	1
32	MP1A	Z	-28.975	1
33	MP1A	Mx	0	1
34	MP1A	X	0	2.6
35	MP1A	Z	-29.578	2.6
36	MP1A	Mx	0	2.6
37	MP1A	X	0	2.6
38	MP1A	Z	-29.578	2.6
39	MP1A	Mx	0	2.6

Member Point Loads (BLC 4 : Antenna Wo (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	33.445	.5
2	MP1A	Z	-57.929	.5
3	MP1A	Mx	-.069	.5
4	MP1A	X	33.445	6
5	MP1A	Z	-57.929	6
6	MP1A	Mx	-.069	6
7	MP1A	X	33.445	.5
8	MP1A	Z	-57.929	.5
9	MP1A	Mx	.018	.5
10	MP1A	X	33.445	6
11	MP1A	Z	-57.929	6
12	MP1A	Mx	.018	6
13	MP2A	X	10.733	2.6
14	MP2A	Z	-18.591	2.6
15	MP2A	Mx	-.008	2.6
16	MP2A	X	10.733	2.6
17	MP2A	Z	-18.591	2.6
18	MP2A	Mx	-.008	2.6
19	MP1A	X	10.375	5.6
20	MP1A	Z	-17.97	5.6
21	MP1A	Mx	.008	5.6
22	MP1A	X	10.375	5.6
23	MP1A	Z	-17.97	5.6
24	MP1A	Mx	.008	5.6
25	MP3A	X	24.73	2.4
26	MP3A	Z	-42.834	2.4
27	MP3A	Mx	-.019	2.4
28	MP3A	X	24.73	4.3
29	MP3A	Z	-42.834	4.3
30	MP3A	Mx	-.019	4.3
31	MP1A	X	11.964	1

Member Point Loads (BLC 4 : Antenna Wo (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	-20.722	1
33	MP1A	Mx	.006	1
34	MP1A	X	12.641	2.6
35	MP1A	Z	-21.895	2.6
36	MP1A	Mx	.009	2.6
37	MP1A	X	12.641	2.6
38	MP1A	Z	-21.895	2.6
39	MP1A	Mx	.009	2.6

Member Point Loads (BLC 5 : Antenna Wo (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	50.153	.5
2	MP1A	Z	-28.956	.5
3	MP1A	Mx	-.059	.5
4	MP1A	X	50.153	6
5	MP1A	Z	-28.956	6
6	MP1A	Mx	-.059	6
7	MP1A	X	50.153	.5
8	MP1A	Z	-28.956	.5
9	MP1A	Mx	-.016	.5
10	MP1A	X	50.153	6
11	MP1A	Z	-28.956	6
12	MP1A	Mx	-.016	6
13	MP2A	X	15.258	2.6
14	MP2A	Z	-8.809	2.6
15	MP2A	Mx	-.011	2.6
16	MP2A	X	15.258	2.6
17	MP2A	Z	-8.809	2.6
18	MP2A	Mx	-.011	2.6
19	MP1A	X	13.396	5.6
20	MP1A	Z	-7.734	5.6
21	MP1A	Mx	.01	5.6
22	MP1A	X	13.396	5.6
23	MP1A	Z	-7.734	5.6
24	MP1A	Mx	.01	5.6
25	MP3A	X	26.04	2.4
26	MP3A	Z	-15.034	2.4
27	MP3A	Mx	-.02	2.4
28	MP3A	X	26.04	4.3
29	MP3A	Z	-15.034	4.3
30	MP3A	Mx	-.02	4.3
31	MP1A	X	11.981	1
32	MP1A	Z	-6.917	1
33	MP1A	Mx	.006	1
34	MP1A	X	14.454	2.6
35	MP1A	Z	-8.345	2.6
36	MP1A	Mx	.011	2.6
37	MP1A	X	14.454	2.6
38	MP1A	Z	-8.345	2.6
39	MP1A	Mx	.011	2.6

Member Point Loads (BLC 6 : Antenna Wo (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	53.422	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.04	.5

Member Point Loads (BLC 6 : Antenna Wo (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	53.422	6
5	MP1A	Z	0	6
6	MP1A	Mx	-.04	6
7	MP1A	X	53.422	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	-.04	.5
10	MP1A	X	53.422	6
11	MP1A	Z	0	6
12	MP1A	Mx	-.04	6
13	MP2A	X	15.695	2.6
14	MP2A	Z	0	2.6
15	MP2A	Mx	-.012	2.6
16	MP2A	X	15.695	2.6
17	MP2A	Z	0	2.6
18	MP2A	Mx	-.012	2.6
19	MP1A	X	12.827	5.6
20	MP1A	Z	0	5.6
21	MP1A	Mx	.01	5.6
22	MP1A	X	12.827	5.6
23	MP1A	Z	0	5.6
24	MP1A	Mx	.01	5.6
25	MP3A	X	20.373	2.4
26	MP3A	Z	0	2.4
27	MP3A	Mx	-.015	2.4
28	MP3A	X	20.373	4.3
29	MP3A	Z	0	4.3
30	MP3A	Mx	-.015	4.3
31	MP1A	X	8.788	1
32	MP1A	Z	0	1
33	MP1A	Mx	.004	1
34	MP1A	X	12.395	2.6
35	MP1A	Z	0	2.6
36	MP1A	Mx	.009	2.6
37	MP1A	X	12.395	2.6
38	MP1A	Z	0	2.6
39	MP1A	Mx	.009	2.6

Member Point Loads (BLC 7 : Antenna Wo (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	50.153	.5
2	MP1A	Z	28.956	.5
3	MP1A	Mx	-.016	.5
4	MP1A	X	50.153	6
5	MP1A	Z	28.956	6
6	MP1A	Mx	-.016	6
7	MP1A	X	50.153	.5
8	MP1A	Z	28.956	.5
9	MP1A	Mx	-.059	.5
10	MP1A	X	50.153	6
11	MP1A	Z	28.956	6
12	MP1A	Mx	-.059	6
13	MP2A	X	15.258	2.6
14	MP2A	Z	8.809	2.6
15	MP2A	Mx	-.011	2.6
16	MP2A	X	15.258	2.6
17	MP2A	Z	8.809	2.6

Member Point Loads (BLC 7 : Antenna Wo (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	-.011	2.6
19	MP1A	X	13.396	5.6
20	MP1A	Z	7.734	5.6
21	MP1A	Mx	.01	5.6
22	MP1A	X	13.396	5.6
23	MP1A	Z	7.734	5.6
24	MP1A	Mx	.01	5.6
25	MP3A	X	26.04	2.4
26	MP3A	Z	15.034	2.4
27	MP3A	Mx	-.02	2.4
28	MP3A	X	26.04	4.3
29	MP3A	Z	15.034	4.3
30	MP3A	Mx	-.02	4.3
31	MP1A	X	11.981	1
32	MP1A	Z	6.917	1
33	MP1A	Mx	.006	1
34	MP1A	X	14.454	2.6
35	MP1A	Z	8.345	2.6
36	MP1A	Mx	.011	2.6
37	MP1A	X	14.454	2.6
38	MP1A	Z	8.345	2.6
39	MP1A	Mx	.011	2.6

Member Point Loads (BLC 8 : Antenna Wo (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	33.445	.5
2	MP1A	Z	57.929	.5
3	MP1A	Mx	.018	.5
4	MP1A	X	33.445	6
5	MP1A	Z	57.929	6
6	MP1A	Mx	.018	6
7	MP1A	X	33.445	.5
8	MP1A	Z	57.929	.5
9	MP1A	Mx	-.069	.5
10	MP1A	X	33.445	6
11	MP1A	Z	57.929	6
12	MP1A	Mx	-.069	6
13	MP2A	X	10.733	2.6
14	MP2A	Z	18.591	2.6
15	MP2A	Mx	-.008	2.6
16	MP2A	X	10.733	2.6
17	MP2A	Z	18.591	2.6
18	MP2A	Mx	-.008	2.6
19	MP1A	X	10.375	5.6
20	MP1A	Z	17.97	5.6
21	MP1A	Mx	.008	5.6
22	MP1A	X	10.375	5.6
23	MP1A	Z	17.97	5.6
24	MP1A	Mx	.008	5.6
25	MP3A	X	24.73	2.4
26	MP3A	Z	42.834	2.4
27	MP3A	Mx	-.019	2.4
28	MP3A	X	24.73	4.3
29	MP3A	Z	42.834	4.3
30	MP3A	Mx	-.019	4.3
31	MP1A	X	11.964	1

Member Point Loads (BLC 8 : Antenna Wo (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	20.722	1
33	MP1A	Mx	.006	1
34	MP1A	X	12.641	2.6
35	MP1A	Z	21.895	2.6
36	MP1A	Mx	.009	2.6
37	MP1A	X	12.641	2.6
38	MP1A	Z	21.895	2.6
39	MP1A	Mx	.009	2.6

Member Point Loads (BLC 9 : Antenna Wo (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	71.38	.5
3	MP1A	Mx	.054	.5
4	MP1A	X	0	6
5	MP1A	Z	71.38	6
6	MP1A	Mx	.054	6
7	MP1A	X	0	.5
8	MP1A	Z	71.38	.5
9	MP1A	Mx	-.054	.5
10	MP1A	X	0	6
11	MP1A	Z	71.38	6
12	MP1A	Mx	-.054	6
13	MP2A	X	0	2.6
14	MP2A	Z	23.391	2.6
15	MP2A	Mx	0	2.6
16	MP2A	X	0	2.6
17	MP2A	Z	23.391	2.6
18	MP2A	Mx	0	2.6
19	MP1A	X	0	5.6
20	MP1A	Z	23.391	5.6
21	MP1A	Mx	0	5.6
22	MP1A	X	0	5.6
23	MP1A	Z	23.391	5.6
24	MP1A	Mx	0	5.6
25	MP3A	X	0	2.4
26	MP3A	Z	59.157	2.4
27	MP3A	Mx	0	2.4
28	MP3A	X	0	4.3
29	MP3A	Z	59.157	4.3
30	MP3A	Mx	0	4.3
31	MP1A	X	0	1
32	MP1A	Z	28.975	1
33	MP1A	Mx	0	1
34	MP1A	X	0	2.6
35	MP1A	Z	29.578	2.6
36	MP1A	Mx	0	2.6
37	MP1A	X	0	2.6
38	MP1A	Z	29.578	2.6
39	MP1A	Mx	0	2.6

Member Point Loads (BLC 10 : Antenna Wo (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-33.445	.5
2	MP1A	Z	57.929	.5
3	MP1A	Mx	.069	.5

Member Point Loads (BLC 10 : Antenna Wo (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-33.445	6
5	MP1A	Z	57.929	6
6	MP1A	Mx	.069	6
7	MP1A	X	-33.445	.5
8	MP1A	Z	57.929	.5
9	MP1A	Mx	-.018	.5
10	MP1A	X	-33.445	6
11	MP1A	Z	57.929	6
12	MP1A	Mx	-.018	6
13	MP2A	X	-10.733	2.6
14	MP2A	Z	18.591	2.6
15	MP2A	Mx	.008	2.6
16	MP2A	X	-10.733	2.6
17	MP2A	Z	18.591	2.6
18	MP2A	Mx	.008	2.6
19	MP1A	X	-10.375	5.6
20	MP1A	Z	17.97	5.6
21	MP1A	Mx	-.008	5.6
22	MP1A	X	-10.375	5.6
23	MP1A	Z	17.97	5.6
24	MP1A	Mx	-.008	5.6
25	MP3A	X	-24.73	2.4
26	MP3A	Z	42.834	2.4
27	MP3A	Mx	.019	2.4
28	MP3A	X	-24.73	4.3
29	MP3A	Z	42.834	4.3
30	MP3A	Mx	.019	4.3
31	MP1A	X	-11.964	1
32	MP1A	Z	20.722	1
33	MP1A	Mx	-.006	1
34	MP1A	X	-12.641	2.6
35	MP1A	Z	21.895	2.6
36	MP1A	Mx	-.009	2.6
37	MP1A	X	-12.641	2.6
38	MP1A	Z	21.895	2.6
39	MP1A	Mx	-.009	2.6

Member Point Loads (BLC 11 : Antenna Wo (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-50.153	.5
2	MP1A	Z	28.956	.5
3	MP1A	Mx	.059	.5
4	MP1A	X	-50.153	6
5	MP1A	Z	28.956	6
6	MP1A	Mx	.059	6
7	MP1A	X	-50.153	.5
8	MP1A	Z	28.956	.5
9	MP1A	Mx	.016	.5
10	MP1A	X	-50.153	6
11	MP1A	Z	28.956	6
12	MP1A	Mx	.016	6
13	MP2A	X	-15.258	2.6
14	MP2A	Z	8.809	2.6
15	MP2A	Mx	.011	2.6
16	MP2A	X	-15.258	2.6
17	MP2A	Z	8.809	2.6

Member Point Loads (BLC 11 : Antenna Wo (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	.011	2.6
19	MP1A	X	-13.396	5.6
20	MP1A	Z	7.734	5.6
21	MP1A	Mx	-.01	5.6
22	MP1A	X	-13.396	5.6
23	MP1A	Z	7.734	5.6
24	MP1A	Mx	-.01	5.6
25	MP3A	X	-26.04	2.4
26	MP3A	Z	15.034	2.4
27	MP3A	Mx	.02	2.4
28	MP3A	X	-26.04	4.3
29	MP3A	Z	15.034	4.3
30	MP3A	Mx	.02	4.3
31	MP1A	X	-11.981	1
32	MP1A	Z	6.917	1
33	MP1A	Mx	-.006	1
34	MP1A	X	-14.454	2.6
35	MP1A	Z	8.345	2.6
36	MP1A	Mx	-.011	2.6
37	MP1A	X	-14.454	2.6
38	MP1A	Z	8.345	2.6
39	MP1A	Mx	-.011	2.6

Member Point Loads (BLC 12 : Antenna Wo (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-53.422	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.04	.5
4	MP1A	X	-53.422	6
5	MP1A	Z	0	6
6	MP1A	Mx	.04	6
7	MP1A	X	-53.422	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	.04	.5
10	MP1A	X	-53.422	6
11	MP1A	Z	0	6
12	MP1A	Mx	.04	6
13	MP2A	X	-15.695	2.6
14	MP2A	Z	0	2.6
15	MP2A	Mx	.012	2.6
16	MP2A	X	-15.695	2.6
17	MP2A	Z	0	2.6
18	MP2A	Mx	.012	2.6
19	MP1A	X	-12.827	5.6
20	MP1A	Z	0	5.6
21	MP1A	Mx	-.01	5.6
22	MP1A	X	-12.827	5.6
23	MP1A	Z	0	5.6
24	MP1A	Mx	-.01	5.6
25	MP3A	X	-20.373	2.4
26	MP3A	Z	0	2.4
27	MP3A	Mx	.015	2.4
28	MP3A	X	-20.373	4.3
29	MP3A	Z	0	4.3
30	MP3A	Mx	.015	4.3
31	MP1A	X	-8.788	1

Member Point Loads (BLC 12 : Antenna Wo (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	0	1
33	MP1A	Mx	-.004	1
34	MP1A	X	-12.395	2.6
35	MP1A	Z	0	2.6
36	MP1A	Mx	-.009	2.6
37	MP1A	X	-12.395	2.6
38	MP1A	Z	0	2.6
39	MP1A	Mx	-.009	2.6

Member Point Loads (BLC 13 : Antenna Wo (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-50.153	.5
2	MP1A	Z	-28.956	.5
3	MP1A	Mx	.016	.5
4	MP1A	X	-50.153	6
5	MP1A	Z	-28.956	6
6	MP1A	Mx	.016	6
7	MP1A	X	-50.153	.5
8	MP1A	Z	-28.956	.5
9	MP1A	Mx	.059	.5
10	MP1A	X	-50.153	6
11	MP1A	Z	-28.956	6
12	MP1A	Mx	.059	6
13	MP2A	X	-15.258	2.6
14	MP2A	Z	-8.809	2.6
15	MP2A	Mx	.011	2.6
16	MP2A	X	-15.258	2.6
17	MP2A	Z	-8.809	2.6
18	MP2A	Mx	.011	2.6
19	MP1A	X	-13.396	5.6
20	MP1A	Z	-7.734	5.6
21	MP1A	Mx	-.01	5.6
22	MP1A	X	-13.396	5.6
23	MP1A	Z	-7.734	5.6
24	MP1A	Mx	-.01	5.6
25	MP3A	X	-26.04	2.4
26	MP3A	Z	-15.034	2.4
27	MP3A	Mx	.02	2.4
28	MP3A	X	-26.04	4.3
29	MP3A	Z	-15.034	4.3
30	MP3A	Mx	.02	4.3
31	MP1A	X	-11.981	1
32	MP1A	Z	-6.917	1
33	MP1A	Mx	-.006	1
34	MP1A	X	-14.454	2.6
35	MP1A	Z	-8.345	2.6
36	MP1A	Mx	-.011	2.6
37	MP1A	X	-14.454	2.6
38	MP1A	Z	-8.345	2.6
39	MP1A	Mx	-.011	2.6

Member Point Loads (BLC 14 : Antenna Wo (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-33.445	.5
2	MP1A	Z	-57.929	.5
3	MP1A	Mx	-.018	.5

Member Point Loads (BLC 14 : Antenna Wo (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-33.445	6
5	MP1A	Z	-57.929	6
6	MP1A	Mx	-.018	6
7	MP1A	X	-33.445	.5
8	MP1A	Z	-57.929	.5
9	MP1A	Mx	.069	.5
10	MP1A	X	-33.445	6
11	MP1A	Z	-57.929	6
12	MP1A	Mx	.069	6
13	MP2A	X	-10.733	2.6
14	MP2A	Z	-18.591	2.6
15	MP2A	Mx	.008	2.6
16	MP2A	X	-10.733	2.6
17	MP2A	Z	-18.591	2.6
18	MP2A	Mx	.008	2.6
19	MP1A	X	-10.375	5.6
20	MP1A	Z	-17.97	5.6
21	MP1A	Mx	-.008	5.6
22	MP1A	X	-10.375	5.6
23	MP1A	Z	-17.97	5.6
24	MP1A	Mx	-.008	5.6
25	MP3A	X	-24.73	2.4
26	MP3A	Z	-42.834	2.4
27	MP3A	Mx	.019	2.4
28	MP3A	X	-24.73	4.3
29	MP3A	Z	-42.834	4.3
30	MP3A	Mx	.019	4.3
31	MP1A	X	-11.964	1
32	MP1A	Z	-20.722	1
33	MP1A	Mx	-.006	1
34	MP1A	X	-12.641	2.6
35	MP1A	Z	-21.895	2.6
36	MP1A	Mx	-.009	2.6
37	MP1A	X	-12.641	2.6
38	MP1A	Z	-21.895	2.6
39	MP1A	Mx	-.009	2.6

Member Point Loads (BLC 15 : Antenna Wi (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-28.111	.5
3	MP1A	Mx	-.021	.5
4	MP1A	X	0	6
5	MP1A	Z	-28.111	6
6	MP1A	Mx	-.021	6
7	MP1A	X	0	.5
8	MP1A	Z	-28.111	.5
9	MP1A	Mx	.021	.5
10	MP1A	X	0	6
11	MP1A	Z	-28.111	6
12	MP1A	Mx	.021	6
13	MP2A	X	0	2.6
14	MP2A	Z	-5.826	2.6
15	MP2A	Mx	0	2.6
16	MP2A	X	0	2.6
17	MP2A	Z	-5.826	2.6

Member Point Loads (BLC 15 : Antenna Wi (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	0	2.6
19	MP1A	X	0	5.6
20	MP1A	Z	-5.826	5.6
21	MP1A	Mx	0	5.6
22	MP1A	X	0	5.6
23	MP1A	Z	-5.826	5.6
24	MP1A	Mx	0	5.6
25	MP3A	X	0	2.4
26	MP3A	Z	-13.852	2.4
27	MP3A	Mx	0	2.4
28	MP3A	X	0	4.3
29	MP3A	Z	-13.852	4.3
30	MP3A	Mx	0	4.3
31	MP1A	X	0	1
32	MP1A	Z	-6.39	1
33	MP1A	Mx	0	1
34	MP1A	X	0	2.6
35	MP1A	Z	-6.041	2.6
36	MP1A	Mx	0	2.6
37	MP1A	X	0	2.6
38	MP1A	Z	-6.041	2.6
39	MP1A	Mx	0	2.6

Member Point Loads (BLC 16 : Antenna Wi (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	13.198	.5
2	MP1A	Z	-22.86	.5
3	MP1A	Mx	-.027	.5
4	MP1A	X	13.198	6
5	MP1A	Z	-22.86	6
6	MP1A	Mx	-.027	6
7	MP1A	X	13.198	.5
8	MP1A	Z	-22.86	.5
9	MP1A	Mx	.007	.5
10	MP1A	X	13.198	6
11	MP1A	Z	-22.86	6
12	MP1A	Mx	.007	6
13	MP2A	X	2.69	2.6
14	MP2A	Z	-4.66	2.6
15	MP2A	Mx	-.002	2.6
16	MP2A	X	2.69	2.6
17	MP2A	Z	-4.66	2.6
18	MP2A	Mx	-.002	2.6
19	MP1A	X	2.606	5.6
20	MP1A	Z	-4.514	5.6
21	MP1A	Mx	.002	5.6
22	MP1A	X	2.606	5.6
23	MP1A	Z	-4.514	5.6
24	MP1A	Mx	.002	5.6
25	MP3A	X	5.93	2.4
26	MP3A	Z	-10.271	2.4
27	MP3A	Mx	-.004	2.4
28	MP3A	X	5.93	4.3
29	MP3A	Z	-10.271	4.3
30	MP3A	Mx	-.004	4.3
31	MP1A	X	2.695	1

Member Point Loads (BLC 16 : Antenna Wi (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	-4.668	1
33	MP1A	Mx	.001	1
34	MP1A	X	2.619	2.6
35	MP1A	Z	-4.537	2.6
36	MP1A	Mx	.002	2.6
37	MP1A	X	2.619	2.6
38	MP1A	Z	-4.537	2.6
39	MP1A	Mx	.002	2.6

Member Point Loads (BLC 17 : Antenna Wi (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	19.89	.5
2	MP1A	Z	-11.484	.5
3	MP1A	Mx	-.024	.5
4	MP1A	X	19.89	6
5	MP1A	Z	-11.484	6
6	MP1A	Mx	-.024	6
7	MP1A	X	19.89	.5
8	MP1A	Z	-11.484	.5
9	MP1A	Mx	-.006	.5
10	MP1A	X	19.89	6
11	MP1A	Z	-11.484	6
12	MP1A	Mx	-.006	6
13	MP2A	X	3.89	2.6
14	MP2A	Z	-2.246	2.6
15	MP2A	Mx	-.003	2.6
16	MP2A	X	3.89	2.6
17	MP2A	Z	-2.246	2.6
18	MP2A	Mx	-.003	2.6
19	MP1A	X	3.451	5.6
20	MP1A	Z	-1.992	5.6
21	MP1A	Mx	.003	5.6
22	MP1A	X	3.451	5.6
23	MP1A	Z	-1.992	5.6
24	MP1A	Mx	.003	5.6
25	MP3A	X	6.82	2.4
26	MP3A	Z	-3.937	2.4
27	MP3A	Mx	-.005	2.4
28	MP3A	X	6.82	4.3
29	MP3A	Z	-3.937	4.3
30	MP3A	Mx	-.005	4.3
31	MP1A	X	2.936	1
32	MP1A	Z	-1.695	1
33	MP1A	Mx	.001	1
34	MP1A	X	3.148	2.6
35	MP1A	Z	-1.817	2.6
36	MP1A	Mx	.002	2.6
37	MP1A	X	3.148	2.6
38	MP1A	Z	-1.817	2.6
39	MP1A	Mx	.002	2.6

Member Point Loads (BLC 18 : Antenna Wi (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	21.252	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.016	.5

Member Point Loads (BLC 18 : Antenna Wi (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	21.252	6
5	MP1A	Z	0	6
6	MP1A	Mx	-.016	6
7	MP1A	X	21.252	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	-.016	.5
10	MP1A	X	21.252	6
11	MP1A	Z	0	6
12	MP1A	Mx	-.016	6
13	MP2A	X	4.047	2.6
14	MP2A	Z	0	2.6
15	MP2A	Mx	-.003	2.6
16	MP2A	X	4.047	2.6
17	MP2A	Z	0	2.6
18	MP2A	Mx	-.003	2.6
19	MP1A	X	3.37	5.6
20	MP1A	Z	0	5.6
21	MP1A	Mx	.003	5.6
22	MP1A	X	3.37	5.6
23	MP1A	Z	0	5.6
24	MP1A	Mx	.003	5.6
25	MP3A	X	5.882	2.4
26	MP3A	Z	0	2.4
27	MP3A	Mx	-.004	2.4
28	MP3A	X	5.882	4.3
29	MP3A	Z	0	4.3
30	MP3A	Mx	-.004	4.3
31	MP1A	X	2.39	1
32	MP1A	Z	0	1
33	MP1A	Mx	.001	1
34	MP1A	X	2.833	2.6
35	MP1A	Z	0	2.6
36	MP1A	Mx	.002	2.6
37	MP1A	X	2.833	2.6
38	MP1A	Z	0	2.6
39	MP1A	Mx	.002	2.6

Member Point Loads (BLC 19 : Antenna Wi (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	19.89	.5
2	MP1A	Z	11.484	.5
3	MP1A	Mx	-.006	.5
4	MP1A	X	19.89	6
5	MP1A	Z	11.484	6
6	MP1A	Mx	-.006	6
7	MP1A	X	19.89	.5
8	MP1A	Z	11.484	.5
9	MP1A	Mx	-.024	.5
10	MP1A	X	19.89	6
11	MP1A	Z	11.484	6
12	MP1A	Mx	-.024	6
13	MP2A	X	3.89	2.6
14	MP2A	Z	2.246	2.6
15	MP2A	Mx	-.003	2.6
16	MP2A	X	3.89	2.6
17	MP2A	Z	2.246	2.6

Member Point Loads (BLC 19 : Antenna Wi (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	-.003	2.6
19	MP1A	X	3.451	5.6
20	MP1A	Z	1.992	5.6
21	MP1A	Mx	.003	5.6
22	MP1A	X	3.451	5.6
23	MP1A	Z	1.992	5.6
24	MP1A	Mx	.003	5.6
25	MP3A	X	6.82	2.4
26	MP3A	Z	3.937	2.4
27	MP3A	Mx	-.005	2.4
28	MP3A	X	6.82	4.3
29	MP3A	Z	3.937	4.3
30	MP3A	Mx	-.005	4.3
31	MP1A	X	2.936	1
32	MP1A	Z	1.695	1
33	MP1A	Mx	.001	1
34	MP1A	X	3.148	2.6
35	MP1A	Z	1.817	2.6
36	MP1A	Mx	.002	2.6
37	MP1A	X	3.148	2.6
38	MP1A	Z	1.817	2.6
39	MP1A	Mx	.002	2.6

Member Point Loads (BLC 20 : Antenna Wi (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	13.198	.5
2	MP1A	Z	22.86	.5
3	MP1A	Mx	.007	.5
4	MP1A	X	13.198	6
5	MP1A	Z	22.86	6
6	MP1A	Mx	.007	6
7	MP1A	X	13.198	.5
8	MP1A	Z	22.86	.5
9	MP1A	Mx	-.027	.5
10	MP1A	X	13.198	6
11	MP1A	Z	22.86	6
12	MP1A	Mx	-.027	6
13	MP2A	X	2.69	2.6
14	MP2A	Z	4.66	2.6
15	MP2A	Mx	-.002	2.6
16	MP2A	X	2.69	2.6
17	MP2A	Z	4.66	2.6
18	MP2A	Mx	-.002	2.6
19	MP1A	X	2.606	5.6
20	MP1A	Z	4.514	5.6
21	MP1A	Mx	.002	5.6
22	MP1A	X	2.606	5.6
23	MP1A	Z	4.514	5.6
24	MP1A	Mx	.002	5.6
25	MP3A	X	5.93	2.4
26	MP3A	Z	10.271	2.4
27	MP3A	Mx	-.004	2.4
28	MP3A	X	5.93	4.3
29	MP3A	Z	10.271	4.3
30	MP3A	Mx	-.004	4.3
31	MP1A	X	2.695	1

Member Point Loads (BLC 20 : Antenna Wi (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	4.668	1
33	MP1A	Mx	.001	1
34	MP1A	X	2.619	2.6
35	MP1A	Z	4.537	2.6
36	MP1A	Mx	.002	2.6
37	MP1A	X	2.619	2.6
38	MP1A	Z	4.537	2.6
39	MP1A	Mx	.002	2.6

Member Point Loads (BLC 21 : Antenna Wi (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	28.111	.5
3	MP1A	Mx	.021	.5
4	MP1A	X	0	6
5	MP1A	Z	28.111	6
6	MP1A	Mx	.021	6
7	MP1A	X	0	.5
8	MP1A	Z	28.111	.5
9	MP1A	Mx	-.021	.5
10	MP1A	X	0	6
11	MP1A	Z	28.111	6
12	MP1A	Mx	-.021	6
13	MP2A	X	0	2.6
14	MP2A	Z	5.826	2.6
15	MP2A	Mx	0	2.6
16	MP2A	X	0	2.6
17	MP2A	Z	5.826	2.6
18	MP2A	Mx	0	2.6
19	MP1A	X	0	5.6
20	MP1A	Z	5.826	5.6
21	MP1A	Mx	0	5.6
22	MP1A	X	0	5.6
23	MP1A	Z	5.826	5.6
24	MP1A	Mx	0	5.6
25	MP3A	X	0	2.4
26	MP3A	Z	13.852	2.4
27	MP3A	Mx	0	2.4
28	MP3A	X	0	4.3
29	MP3A	Z	13.852	4.3
30	MP3A	Mx	0	4.3
31	MP1A	X	0	1
32	MP1A	Z	6.39	1
33	MP1A	Mx	0	1
34	MP1A	X	0	2.6
35	MP1A	Z	6.041	2.6
36	MP1A	Mx	0	2.6
37	MP1A	X	0	2.6
38	MP1A	Z	6.041	2.6
39	MP1A	Mx	0	2.6

Member Point Loads (BLC 22 : Antenna Wi (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-13.198	.5
2	MP1A	Z	22.86	.5
3	MP1A	Mx	.027	.5

Member Point Loads (BLC 22 : Antenna Wi (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-13.198	6
5	MP1A	Z	22.86	6
6	MP1A	Mx	.027	6
7	MP1A	X	-13.198	.5
8	MP1A	Z	22.86	.5
9	MP1A	Mx	-.007	.5
10	MP1A	X	-13.198	6
11	MP1A	Z	22.86	6
12	MP1A	Mx	-.007	6
13	MP2A	X	-2.69	2.6
14	MP2A	Z	4.66	2.6
15	MP2A	Mx	.002	2.6
16	MP2A	X	-2.69	2.6
17	MP2A	Z	4.66	2.6
18	MP2A	Mx	.002	2.6
19	MP1A	X	-2.606	5.6
20	MP1A	Z	4.514	5.6
21	MP1A	Mx	-.002	5.6
22	MP1A	X	-2.606	5.6
23	MP1A	Z	4.514	5.6
24	MP1A	Mx	-.002	5.6
25	MP3A	X	-5.93	2.4
26	MP3A	Z	10.271	2.4
27	MP3A	Mx	.004	2.4
28	MP3A	X	-5.93	4.3
29	MP3A	Z	10.271	4.3
30	MP3A	Mx	.004	4.3
31	MP1A	X	-2.695	1
32	MP1A	Z	4.668	1
33	MP1A	Mx	-.001	1
34	MP1A	X	-2.619	2.6
35	MP1A	Z	4.537	2.6
36	MP1A	Mx	-.002	2.6
37	MP1A	X	-2.619	2.6
38	MP1A	Z	4.537	2.6
39	MP1A	Mx	-.002	2.6

Member Point Loads (BLC 23 : Antenna Wi (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-19.89	.5
2	MP1A	Z	11.484	.5
3	MP1A	Mx	.024	.5
4	MP1A	X	-19.89	6
5	MP1A	Z	11.484	6
6	MP1A	Mx	.024	6
7	MP1A	X	-19.89	.5
8	MP1A	Z	11.484	.5
9	MP1A	Mx	.006	.5
10	MP1A	X	-19.89	6
11	MP1A	Z	11.484	6
12	MP1A	Mx	.006	6
13	MP2A	X	-3.89	2.6
14	MP2A	Z	2.246	2.6
15	MP2A	Mx	.003	2.6
16	MP2A	X	-3.89	2.6
17	MP2A	Z	2.246	2.6

Member Point Loads (BLC 23 : Antenna Wi (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	.003	2.6
19	MP1A	X	-3.451	5.6
20	MP1A	Z	1.992	5.6
21	MP1A	Mx	-.003	5.6
22	MP1A	X	-3.451	5.6
23	MP1A	Z	1.992	5.6
24	MP1A	Mx	-.003	5.6
25	MP3A	X	-6.82	2.4
26	MP3A	Z	3.937	2.4
27	MP3A	Mx	.005	2.4
28	MP3A	X	-6.82	4.3
29	MP3A	Z	3.937	4.3
30	MP3A	Mx	.005	4.3
31	MP1A	X	-2.936	1
32	MP1A	Z	1.695	1
33	MP1A	Mx	-.001	1
34	MP1A	X	-3.148	2.6
35	MP1A	Z	1.817	2.6
36	MP1A	Mx	-.002	2.6
37	MP1A	X	-3.148	2.6
38	MP1A	Z	1.817	2.6
39	MP1A	Mx	-.002	2.6

Member Point Loads (BLC 24 : Antenna Wi (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-21.252	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.016	.5
4	MP1A	X	-21.252	6
5	MP1A	Z	0	6
6	MP1A	Mx	.016	6
7	MP1A	X	-21.252	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	.016	.5
10	MP1A	X	-21.252	6
11	MP1A	Z	0	6
12	MP1A	Mx	.016	6
13	MP2A	X	-4.047	2.6
14	MP2A	Z	0	2.6
15	MP2A	Mx	.003	2.6
16	MP2A	X	-4.047	2.6
17	MP2A	Z	0	2.6
18	MP2A	Mx	.003	2.6
19	MP1A	X	-3.37	5.6
20	MP1A	Z	0	5.6
21	MP1A	Mx	-.003	5.6
22	MP1A	X	-3.37	5.6
23	MP1A	Z	0	5.6
24	MP1A	Mx	-.003	5.6
25	MP3A	X	-5.882	2.4
26	MP3A	Z	0	2.4
27	MP3A	Mx	.004	2.4
28	MP3A	X	-5.882	4.3
29	MP3A	Z	0	4.3
30	MP3A	Mx	.004	4.3
31	MP1A	X	-2.39	1

Member Point Loads (BLC 24 : Antenna Wi (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	0	1
33	MP1A	Mx	-.001	1
34	MP1A	X	-2.833	2.6
35	MP1A	Z	0	2.6
36	MP1A	Mx	-.002	2.6
37	MP1A	X	-2.833	2.6
38	MP1A	Z	0	2.6
39	MP1A	Mx	-.002	2.6

Member Point Loads (BLC 25 : Antenna Wi (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-19.89	.5
2	MP1A	Z	-11.484	.5
3	MP1A	Mx	.006	.5
4	MP1A	X	-19.89	6
5	MP1A	Z	-11.484	6
6	MP1A	Mx	.006	6
7	MP1A	X	-19.89	.5
8	MP1A	Z	-11.484	.5
9	MP1A	Mx	.024	.5
10	MP1A	X	-19.89	6
11	MP1A	Z	-11.484	6
12	MP1A	Mx	.024	6
13	MP2A	X	-3.89	2.6
14	MP2A	Z	-2.246	2.6
15	MP2A	Mx	.003	2.6
16	MP2A	X	-3.89	2.6
17	MP2A	Z	-2.246	2.6
18	MP2A	Mx	.003	2.6
19	MP1A	X	-3.451	5.6
20	MP1A	Z	-1.992	5.6
21	MP1A	Mx	-.003	5.6
22	MP1A	X	-3.451	5.6
23	MP1A	Z	-1.992	5.6
24	MP1A	Mx	-.003	5.6
25	MP3A	X	-6.82	2.4
26	MP3A	Z	-3.937	2.4
27	MP3A	Mx	.005	2.4
28	MP3A	X	-6.82	4.3
29	MP3A	Z	-3.937	4.3
30	MP3A	Mx	.005	4.3
31	MP1A	X	-2.936	1
32	MP1A	Z	-1.695	1
33	MP1A	Mx	-.001	1
34	MP1A	X	-3.148	2.6
35	MP1A	Z	-1.817	2.6
36	MP1A	Mx	-.002	2.6
37	MP1A	X	-3.148	2.6
38	MP1A	Z	-1.817	2.6
39	MP1A	Mx	-.002	2.6

Member Point Loads (BLC 26 : Antenna Wi (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-13.198	.5
2	MP1A	Z	-22.86	.5
3	MP1A	Mx	-.007	.5

Member Point Loads (BLC 26 : Antenna Wi (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-13.198	6
5	MP1A	Z	-22.86	6
6	MP1A	Mx	-.007	6
7	MP1A	X	-13.198	.5
8	MP1A	Z	-22.86	.5
9	MP1A	Mx	.027	.5
10	MP1A	X	-13.198	6
11	MP1A	Z	-22.86	6
12	MP1A	Mx	.027	6
13	MP2A	X	-2.69	2.6
14	MP2A	Z	-4.66	2.6
15	MP2A	Mx	.002	2.6
16	MP2A	X	-2.69	2.6
17	MP2A	Z	-4.66	2.6
18	MP2A	Mx	.002	2.6
19	MP1A	X	-2.606	5.6
20	MP1A	Z	-4.514	5.6
21	MP1A	Mx	-.002	5.6
22	MP1A	X	-2.606	5.6
23	MP1A	Z	-4.514	5.6
24	MP1A	Mx	-.002	5.6
25	MP3A	X	-5.93	2.4
26	MP3A	Z	-10.271	2.4
27	MP3A	Mx	.004	2.4
28	MP3A	X	-5.93	4.3
29	MP3A	Z	-10.271	4.3
30	MP3A	Mx	.004	4.3
31	MP1A	X	-2.695	1
32	MP1A	Z	-4.668	1
33	MP1A	Mx	-.001	1
34	MP1A	X	-2.619	2.6
35	MP1A	Z	-4.537	2.6
36	MP1A	Mx	-.002	2.6
37	MP1A	X	-2.619	2.6
38	MP1A	Z	-4.537	2.6
39	MP1A	Mx	-.002	2.6

Member Point Loads (BLC 27 : Antenna Wm (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	-4.461	.5
3	MP1A	Mx	-.003	.5
4	MP1A	X	0	6
5	MP1A	Z	-4.461	6
6	MP1A	Mx	-.003	6
7	MP1A	X	0	.5
8	MP1A	Z	-4.461	.5
9	MP1A	Mx	.003	.5
10	MP1A	X	0	6
11	MP1A	Z	-4.461	6
12	MP1A	Mx	.003	6
13	MP2A	X	0	2.6
14	MP2A	Z	-1.462	2.6
15	MP2A	Mx	0	2.6
16	MP2A	X	0	2.6
17	MP2A	Z	-1.462	2.6

Member Point Loads (BLC 27 : Antenna Wm (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	0	2.6
19	MP1A	X	0	5.6
20	MP1A	Z	-1.462	5.6
21	MP1A	Mx	0	5.6
22	MP1A	X	0	5.6
23	MP1A	Z	-1.462	5.6
24	MP1A	Mx	0	5.6
25	MP3A	X	0	2.4
26	MP3A	Z	-3.697	2.4
27	MP3A	Mx	0	2.4
28	MP3A	X	0	4.3
29	MP3A	Z	-3.697	4.3
30	MP3A	Mx	0	4.3
31	MP1A	X	0	1
32	MP1A	Z	-1.811	1
33	MP1A	Mx	0	1
34	MP1A	X	0	2.6
35	MP1A	Z	-1.849	2.6
36	MP1A	Mx	0	2.6
37	MP1A	X	0	2.6
38	MP1A	Z	-1.849	2.6
39	MP1A	Mx	0	2.6

Member Point Loads (BLC 28 : Antenna Wm (30 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.09	.5
2	MP1A	Z	-3.621	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	2.09	6
5	MP1A	Z	-3.621	6
6	MP1A	Mx	-.004	6
7	MP1A	X	2.09	.5
8	MP1A	Z	-3.621	.5
9	MP1A	Mx	.001	.5
10	MP1A	X	2.09	6
11	MP1A	Z	-3.621	6
12	MP1A	Mx	.001	6
13	MP2A	X	.671	2.6
14	MP2A	Z	-1.162	2.6
15	MP2A	Mx	-.000503	2.6
16	MP2A	X	.671	2.6
17	MP2A	Z	-1.162	2.6
18	MP2A	Mx	-.000503	2.6
19	MP1A	X	.648	5.6
20	MP1A	Z	-1.123	5.6
21	MP1A	Mx	.000486	5.6
22	MP1A	X	.648	5.6
23	MP1A	Z	-1.123	5.6
24	MP1A	Mx	.000486	5.6
25	MP3A	X	1.546	2.4
26	MP3A	Z	-2.677	2.4
27	MP3A	Mx	-.001	2.4
28	MP3A	X	1.546	4.3
29	MP3A	Z	-2.677	4.3
30	MP3A	Mx	-.001	4.3
31	MP1A	X	.748	1

Member Point Loads (BLC 28 : Antenna Wm (30 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	-1.295	1
33	MP1A	Mx	.000374	1
34	MP1A	X	.79	2.6
35	MP1A	Z	-1.368	2.6
36	MP1A	Mx	.000592	2.6
37	MP1A	X	.79	2.6
38	MP1A	Z	-1.368	2.6
39	MP1A	Mx	.000592	2.6

Member Point Loads (BLC 29 : Antenna Wm (60 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.135	.5
2	MP1A	Z	-1.81	.5
3	MP1A	Mx	-.004	.5
4	MP1A	X	3.135	6
5	MP1A	Z	-1.81	6
6	MP1A	Mx	-.004	6
7	MP1A	X	3.135	.5
8	MP1A	Z	-1.81	.5
9	MP1A	Mx	-.000994	.5
10	MP1A	X	3.135	6
11	MP1A	Z	-1.81	6
12	MP1A	Mx	-.000994	6
13	MP2A	X	.954	2.6
14	MP2A	Z	-.551	2.6
15	MP2A	Mx	-.000716	2.6
16	MP2A	X	.954	2.6
17	MP2A	Z	-.551	2.6
18	MP2A	Mx	-.000716	2.6
19	MP1A	X	.837	5.6
20	MP1A	Z	-.483	5.6
21	MP1A	Mx	.000628	5.6
22	MP1A	X	.837	5.6
23	MP1A	Z	-.483	5.6
24	MP1A	Mx	.000628	5.6
25	MP3A	X	1.628	2.4
26	MP3A	Z	-.94	2.4
27	MP3A	Mx	-.001	2.4
28	MP3A	X	1.628	4.3
29	MP3A	Z	-.94	4.3
30	MP3A	Mx	-.001	4.3
31	MP1A	X	.749	1
32	MP1A	Z	-.432	1
33	MP1A	Mx	.000374	1
34	MP1A	X	.903	2.6
35	MP1A	Z	-.522	2.6
36	MP1A	Mx	.000677	2.6
37	MP1A	X	.903	2.6
38	MP1A	Z	-.522	2.6
39	MP1A	Mx	.000677	2.6

Member Point Loads (BLC 30 : Antenna Wm (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.339	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	-.003	.5

Member Point Loads (BLC 30 : Antenna Wm (90 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	3.339	6
5	MP1A	Z	0	6
6	MP1A	Mx	-.003	6
7	MP1A	X	3.339	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	-.003	.5
10	MP1A	X	3.339	6
11	MP1A	Z	0	6
12	MP1A	Mx	-.003	6
13	MP2A	X	.981	2.6
14	MP2A	Z	0	2.6
15	MP2A	Mx	-.000736	2.6
16	MP2A	X	.981	2.6
17	MP2A	Z	0	2.6
18	MP2A	Mx	-.000736	2.6
19	MP1A	X	.802	5.6
20	MP1A	Z	0	5.6
21	MP1A	Mx	.000602	5.6
22	MP1A	X	.802	5.6
23	MP1A	Z	0	5.6
24	MP1A	Mx	.000602	5.6
25	MP3A	X	1.273	2.4
26	MP3A	Z	0	2.4
27	MP3A	Mx	-.000955	2.4
28	MP3A	X	1.273	4.3
29	MP3A	Z	0	4.3
30	MP3A	Mx	-.000955	4.3
31	MP1A	X	.549	1
32	MP1A	Z	0	1
33	MP1A	Mx	.000275	1
34	MP1A	X	.775	2.6
35	MP1A	Z	0	2.6
36	MP1A	Mx	.000581	2.6
37	MP1A	X	.775	2.6
38	MP1A	Z	0	2.6
39	MP1A	Mx	.000581	2.6

Member Point Loads (BLC 31 : Antenna Wm (120 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	3.135	.5
2	MP1A	Z	1.81	.5
3	MP1A	Mx	-.000994	.5
4	MP1A	X	3.135	6
5	MP1A	Z	1.81	6
6	MP1A	Mx	-.000994	6
7	MP1A	X	3.135	.5
8	MP1A	Z	1.81	.5
9	MP1A	Mx	-.004	.5
10	MP1A	X	3.135	6
11	MP1A	Z	1.81	6
12	MP1A	Mx	-.004	6
13	MP2A	X	.954	2.6
14	MP2A	Z	.551	2.6
15	MP2A	Mx	-.000716	2.6
16	MP2A	X	.954	2.6
17	MP2A	Z	.551	2.6

Member Point Loads (BLC 31 : Antenna Wm (120 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	-.000716	2.6
19	MP1A	X	.837	5.6
20	MP1A	Z	.483	5.6
21	MP1A	Mx	.000628	5.6
22	MP1A	X	.837	5.6
23	MP1A	Z	.483	5.6
24	MP1A	Mx	.000628	5.6
25	MP3A	X	1.628	2.4
26	MP3A	Z	.94	2.4
27	MP3A	Mx	-.001	2.4
28	MP3A	X	1.628	4.3
29	MP3A	Z	.94	4.3
30	MP3A	Mx	-.001	4.3
31	MP1A	X	.749	1
32	MP1A	Z	.432	1
33	MP1A	Mx	.000374	1
34	MP1A	X	.903	2.6
35	MP1A	Z	.522	2.6
36	MP1A	Mx	.000677	2.6
37	MP1A	X	.903	2.6
38	MP1A	Z	.522	2.6
39	MP1A	Mx	.000677	2.6

Member Point Loads (BLC 32 : Antenna Wm (150 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.09	.5
2	MP1A	Z	3.621	.5
3	MP1A	Mx	.001	.5
4	MP1A	X	2.09	6
5	MP1A	Z	3.621	6
6	MP1A	Mx	.001	6
7	MP1A	X	2.09	.5
8	MP1A	Z	3.621	.5
9	MP1A	Mx	-.004	.5
10	MP1A	X	2.09	6
11	MP1A	Z	3.621	6
12	MP1A	Mx	-.004	6
13	MP2A	X	.671	2.6
14	MP2A	Z	1.162	2.6
15	MP2A	Mx	-.000503	2.6
16	MP2A	X	.671	2.6
17	MP2A	Z	1.162	2.6
18	MP2A	Mx	-.000503	2.6
19	MP1A	X	.648	5.6
20	MP1A	Z	1.123	5.6
21	MP1A	Mx	.000486	5.6
22	MP1A	X	.648	5.6
23	MP1A	Z	1.123	5.6
24	MP1A	Mx	.000486	5.6
25	MP3A	X	1.546	2.4
26	MP3A	Z	2.677	2.4
27	MP3A	Mx	-.001	2.4
28	MP3A	X	1.546	4.3
29	MP3A	Z	2.677	4.3
30	MP3A	Mx	-.001	4.3
31	MP1A	X	.748	1

Member Point Loads (BLC 32 : Antenna Wm (150 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	1.295	1
33	MP1A	Mx	.000374	1
34	MP1A	X	.79	2.6
35	MP1A	Z	1.368	2.6
36	MP1A	Mx	.000592	2.6
37	MP1A	X	.79	2.6
38	MP1A	Z	1.368	2.6
39	MP1A	Mx	.000592	2.6

Member Point Loads (BLC 33 : Antenna Wm (180 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	0	.5
2	MP1A	Z	4.461	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	0	6
5	MP1A	Z	4.461	6
6	MP1A	Mx	.003	6
7	MP1A	X	0	.5
8	MP1A	Z	4.461	.5
9	MP1A	Mx	-.003	.5
10	MP1A	X	0	6
11	MP1A	Z	4.461	6
12	MP1A	Mx	-.003	6
13	MP2A	X	0	2.6
14	MP2A	Z	1.462	2.6
15	MP2A	Mx	0	2.6
16	MP2A	X	0	2.6
17	MP2A	Z	1.462	2.6
18	MP2A	Mx	0	2.6
19	MP1A	X	0	5.6
20	MP1A	Z	1.462	5.6
21	MP1A	Mx	0	5.6
22	MP1A	X	0	5.6
23	MP1A	Z	1.462	5.6
24	MP1A	Mx	0	5.6
25	MP3A	X	0	2.4
26	MP3A	Z	3.697	2.4
27	MP3A	Mx	0	2.4
28	MP3A	X	0	4.3
29	MP3A	Z	3.697	4.3
30	MP3A	Mx	0	4.3
31	MP1A	X	0	1
32	MP1A	Z	1.811	1
33	MP1A	Mx	0	1
34	MP1A	X	0	2.6
35	MP1A	Z	1.849	2.6
36	MP1A	Mx	0	2.6
37	MP1A	X	0	2.6
38	MP1A	Z	1.849	2.6
39	MP1A	Mx	0	2.6

Member Point Loads (BLC 34 : Antenna Wm (210 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.09	.5
2	MP1A	Z	3.621	.5
3	MP1A	Mx	.004	.5

Member Point Loads (BLC 34 : Antenna Wm (210 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-2.09	6
5	MP1A	Z	3.621	6
6	MP1A	Mx	.004	6
7	MP1A	X	-2.09	.5
8	MP1A	Z	3.621	.5
9	MP1A	Mx	-.001	.5
10	MP1A	X	-2.09	6
11	MP1A	Z	3.621	6
12	MP1A	Mx	-.001	6
13	MP2A	X	-.671	2.6
14	MP2A	Z	1.162	2.6
15	MP2A	Mx	.000503	2.6
16	MP2A	X	-.671	2.6
17	MP2A	Z	1.162	2.6
18	MP2A	Mx	.000503	2.6
19	MP1A	X	-.648	5.6
20	MP1A	Z	1.123	5.6
21	MP1A	Mx	-.000486	5.6
22	MP1A	X	-.648	5.6
23	MP1A	Z	1.123	5.6
24	MP1A	Mx	-.000486	5.6
25	MP3A	X	-1.546	2.4
26	MP3A	Z	2.677	2.4
27	MP3A	Mx	.001	2.4
28	MP3A	X	-1.546	4.3
29	MP3A	Z	2.677	4.3
30	MP3A	Mx	.001	4.3
31	MP1A	X	-.748	1
32	MP1A	Z	1.295	1
33	MP1A	Mx	-.000374	1
34	MP1A	X	-.79	2.6
35	MP1A	Z	1.368	2.6
36	MP1A	Mx	-.000592	2.6
37	MP1A	X	-.79	2.6
38	MP1A	Z	1.368	2.6
39	MP1A	Mx	-.000592	2.6

Member Point Loads (BLC 35 : Antenna Wm (240 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.135	.5
2	MP1A	Z	1.81	.5
3	MP1A	Mx	.004	.5
4	MP1A	X	-3.135	6
5	MP1A	Z	1.81	6
6	MP1A	Mx	.004	6
7	MP1A	X	-3.135	.5
8	MP1A	Z	1.81	.5
9	MP1A	Mx	.000994	.5
10	MP1A	X	-3.135	6
11	MP1A	Z	1.81	6
12	MP1A	Mx	.000994	6
13	MP2A	X	-.954	2.6
14	MP2A	Z	.551	2.6
15	MP2A	Mx	.000716	2.6
16	MP2A	X	-.954	2.6
17	MP2A	Z	.551	2.6

Member Point Loads (BLC 35 : Antenna Wm (240 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2A	Mx	.000716	2.6
19	MP1A	X	-.837	5.6
20	MP1A	Z	.483	5.6
21	MP1A	Mx	-.000628	5.6
22	MP1A	X	-.837	5.6
23	MP1A	Z	.483	5.6
24	MP1A	Mx	-.000628	5.6
25	MP3A	X	-1.628	2.4
26	MP3A	Z	.94	2.4
27	MP3A	Mx	.001	2.4
28	MP3A	X	-1.628	4.3
29	MP3A	Z	.94	4.3
30	MP3A	Mx	.001	4.3
31	MP1A	X	-.749	1
32	MP1A	Z	.432	1
33	MP1A	Mx	-.000374	1
34	MP1A	X	-.903	2.6
35	MP1A	Z	.522	2.6
36	MP1A	Mx	-.000677	2.6
37	MP1A	X	-.903	2.6
38	MP1A	Z	.522	2.6
39	MP1A	Mx	-.000677	2.6

Member Point Loads (BLC 36 : Antenna Wm (270 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.339	.5
2	MP1A	Z	0	.5
3	MP1A	Mx	.003	.5
4	MP1A	X	-3.339	6
5	MP1A	Z	0	6
6	MP1A	Mx	.003	6
7	MP1A	X	-3.339	.5
8	MP1A	Z	0	.5
9	MP1A	Mx	.003	.5
10	MP1A	X	-3.339	6
11	MP1A	Z	0	6
12	MP1A	Mx	.003	6
13	MP2A	X	-.981	2.6
14	MP2A	Z	0	2.6
15	MP2A	Mx	.000736	2.6
16	MP2A	X	-.981	2.6
17	MP2A	Z	0	2.6
18	MP2A	Mx	.000736	2.6
19	MP1A	X	-.802	5.6
20	MP1A	Z	0	5.6
21	MP1A	Mx	-.000602	5.6
22	MP1A	X	-.802	5.6
23	MP1A	Z	0	5.6
24	MP1A	Mx	-.000602	5.6
25	MP3A	X	-1.273	2.4
26	MP3A	Z	0	2.4
27	MP3A	Mx	.000955	2.4
28	MP3A	X	-1.273	4.3
29	MP3A	Z	0	4.3
30	MP3A	Mx	.000955	4.3
31	MP1A	X	-.549	1

Member Point Loads (BLC 36 : Antenna Wm (270 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP1A	Z	0	1
33	MP1A	Mx	-.000275	1
34	MP1A	X	-.775	2.6
35	MP1A	Z	0	2.6
36	MP1A	Mx	-.000581	2.6
37	MP1A	X	-.775	2.6
38	MP1A	Z	0	2.6
39	MP1A	Mx	-.000581	2.6

Member Point Loads (BLC 37 : Antenna Wm (300 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-3.135	.5
2	MP1A	Z	-1.81	.5
3	MP1A	Mx	.000994	.5
4	MP1A	X	-3.135	6
5	MP1A	Z	-1.81	6
6	MP1A	Mx	.000994	6
7	MP1A	X	-3.135	.5
8	MP1A	Z	-1.81	.5
9	MP1A	Mx	.004	.5
10	MP1A	X	-3.135	6
11	MP1A	Z	-1.81	6
12	MP1A	Mx	.004	6
13	MP2A	X	-.954	2.6
14	MP2A	Z	-.551	2.6
15	MP2A	Mx	.000716	2.6
16	MP2A	X	-.954	2.6
17	MP2A	Z	-.551	2.6
18	MP2A	Mx	.000716	2.6
19	MP1A	X	-.837	5.6
20	MP1A	Z	-.483	5.6
21	MP1A	Mx	-.000628	5.6
22	MP1A	X	-.837	5.6
23	MP1A	Z	-.483	5.6
24	MP1A	Mx	-.000628	5.6
25	MP3A	X	-1.628	2.4
26	MP3A	Z	-.94	2.4
27	MP3A	Mx	.001	2.4
28	MP3A	X	-1.628	4.3
29	MP3A	Z	-.94	4.3
30	MP3A	Mx	.001	4.3
31	MP1A	X	-.749	1
32	MP1A	Z	-.432	1
33	MP1A	Mx	-.000374	1
34	MP1A	X	-.903	2.6
35	MP1A	Z	-.522	2.6
36	MP1A	Mx	-.000677	2.6
37	MP1A	X	-.903	2.6
38	MP1A	Z	-.522	2.6
39	MP1A	Mx	-.000677	2.6

Member Point Loads (BLC 38 : Antenna Wm (330 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	-2.09	.5
2	MP1A	Z	-3.621	.5
3	MP1A	Mx	-.001	.5

Member Point Loads (BLC 38 : Antenna Wm (330 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP1A	X	-2.09	6
5	MP1A	Z	-3.621	6
6	MP1A	Mx	-.001	6
7	MP1A	X	-2.09	.5
8	MP1A	Z	-3.621	.5
9	MP1A	Mx	.004	.5
10	MP1A	X	-2.09	6
11	MP1A	Z	-3.621	6
12	MP1A	Mx	.004	6
13	MP2A	X	-.671	2.6
14	MP2A	Z	-1.162	2.6
15	MP2A	Mx	.000503	2.6
16	MP2A	X	-.671	2.6
17	MP2A	Z	-1.162	2.6
18	MP2A	Mx	.000503	2.6
19	MP1A	X	-.648	5.6
20	MP1A	Z	-1.123	5.6
21	MP1A	Mx	-.000486	5.6
22	MP1A	X	-.648	5.6
23	MP1A	Z	-1.123	5.6
24	MP1A	Mx	-.000486	5.6
25	MP3A	X	-1.546	2.4
26	MP3A	Z	-2.677	2.4
27	MP3A	Mx	.001	2.4
28	MP3A	X	-1.546	4.3
29	MP3A	Z	-2.677	4.3
30	MP3A	Mx	.001	4.3
31	MP1A	X	-.748	1
32	MP1A	Z	-1.295	1
33	MP1A	Mx	-.000374	1
34	MP1A	X	-.79	2.6
35	MP1A	Z	-1.368	2.6
36	MP1A	Mx	-.000592	2.6
37	MP1A	X	-.79	2.6
38	MP1A	Z	-1.368	2.6
39	MP1A	Mx	-.000592	2.6

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M4	Y	-500	%100

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M8	Y	-500	%100

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	CBC1	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	CBC1	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]

Member Point Loads (BLC 81 : Antenna Ev) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Y	-1.07	.5
2	MP1A	My	-.000802	.5
3	MP1A	Mz	.000802	.5
4	MP1A	Y	-1.07	6
5	MP1A	My	-.000802	6
6	MP1A	Mz	.000802	6
7	MP1A	Y	-1.07	.5
8	MP1A	My	-.000802	.5
9	MP1A	Mz	-.000802	.5
10	MP1A	Y	-1.07	6
11	MP1A	My	-.000802	6
12	MP1A	Mz	-.000802	6
13	MP2A	Y	-1.963	2.6
14	MP2A	My	-.001	2.6
15	MP2A	Mz	0	2.6
16	MP2A	Y	-1.963	2.6
17	MP2A	My	-.001	2.6
18	MP2A	Mz	0	2.6
19	MP1A	Y	-1.635	5.6
20	MP1A	My	.001	5.6
21	MP1A	Mz	0	5.6
22	MP1A	Y	-1.635	5.6
23	MP1A	My	.001	5.6
24	MP1A	Mz	0	5.6
25	MP3A	Y	-2.025	2.4
26	MP3A	My	-.002	2.4
27	MP3A	Mz	0	2.4
28	MP3A	Y	-2.025	4.3
29	MP3A	My	-.002	4.3
30	MP3A	Mz	0	4.3
31	MP1A	Y	-.819	1
32	MP1A	My	.000409	1
33	MP1A	Mz	0	1
34	MP1A	Y	-1.23	2.6
35	MP1A	My	.000923	2.6
36	MP1A	Mz	0	2.6
37	MP1A	Y	-1.23	2.6
38	MP1A	My	.000923	2.6
39	MP1A	Mz	0	2.6

Member Point Loads (BLC 82 : Antenna Eh (0 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	Z	-2.674	.5
2	MP1A	Mx	-.002	.5
3	MP1A	Z	-2.674	6
4	MP1A	Mx	-.002	6
5	MP1A	Z	-2.674	.5
6	MP1A	Mx	.002	.5
7	MP1A	Z	-2.674	6
8	MP1A	Mx	.002	6
9	MP2A	Z	-4.906	2.6
10	MP2A	Mx	0	2.6
11	MP2A	Z	-4.906	2.6
12	MP2A	Mx	0	2.6
13	MP1A	Z	-4.087	5.6
14	MP1A	Mx	0	5.6

Member Point Loads (BLC 82 : Antenna Eh (0 Deg)) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP1A	Z	-4.087	5.6
16	MP1A	Mx	0	5.6
17	MP3A	Z	-5.063	2.4
18	MP3A	Mx	0	2.4
19	MP3A	Z	-5.063	4.3
20	MP3A	Mx	0	4.3
21	MP1A	Z	-2.046	1
22	MP1A	Mx	0	1
23	MP1A	Z	-3.075	2.6
24	MP1A	Mx	0	2.6
25	MP1A	Z	-3.075	2.6
26	MP1A	Mx	0	2.6

Member Point Loads (BLC 83 : Antenna Eh (90 Deg))

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP1A	X	2.674	.5
2	MP1A	Mx	-.002	.5
3	MP1A	X	2.674	6
4	MP1A	Mx	-.002	6
5	MP1A	X	2.674	.5
6	MP1A	Mx	-.002	.5
7	MP1A	X	2.674	6
8	MP1A	Mx	-.002	6
9	MP2A	X	4.906	2.6
10	MP2A	Mx	-.004	2.6
11	MP2A	X	4.906	2.6
12	MP2A	Mx	-.004	2.6
13	MP1A	X	4.087	5.6
14	MP1A	Mx	.003	5.6
15	MP1A	X	4.087	5.6
16	MP1A	Mx	.003	5.6
17	MP3A	X	5.063	2.4
18	MP3A	Mx	-.004	2.4
19	MP3A	X	5.063	4.3
20	MP3A	Mx	-.004	4.3
21	MP1A	X	2.046	1
22	MP1A	Mx	.001	1
23	MP1A	X	3.075	2.6
24	MP1A	Mx	.002	2.6
25	MP1A	X	3.075	2.6
26	MP1A	Mx	.002	2.6

Member Distributed Loads (BLC 40 : Structure Di)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	Y	-9.203	-9.203	0	%100
2	MP3A	Y	-4.741	-4.741	0	%100
3	CBC1	Y	-6.271	-6.271	0	%100
4	MP2A	Y	-4.741	-4.741	0	%100
5	MP1A	Y	-4.741	-4.741	0	%100
6	M9	Y	-4.741	-4.741	0	%100
7	M13	Y	-6.319	-6.319	0	%100
8	M14	Y	-6.319	-6.319	0	%100
9	M19	Y	-2.192	-2.192	0	%100
10	M20	Y	-2.192	-2.192	0	%100
11	M21	Y	-2.192	-2.192	0	%100

Member Distributed Loads (BLC 40 : Structure Di) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
12	M22	Y	-2.192	-2.192	0	%100
13	MP4A	Y	-4.741	-4.741	0	%100

Member Distributed Loads (BLC 41 : Structure Wo (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	0	0	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	-7.168	-7.168	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	-9.697	-9.697	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-7.168	-7.168	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	-7.168	-7.168	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-7.168	-7.168	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-9.937	-9.937	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-7.652	-7.652	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	-7.168	-7.168	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	1.069	1.069	0	%100
2	M2	Z	-1.851	-1.851	0	%100
3	MP3A	X	3.584	3.584	0	%100
4	MP3A	Z	-6.208	-6.208	0	%100
5	CBC1	X	3.636	3.636	0	%100
6	CBC1	Z	-6.299	-6.299	0	%100
7	MP2A	X	3.584	3.584	0	%100
8	MP2A	Z	-6.208	-6.208	0	%100
9	MP1A	X	3.584	3.584	0	%100
10	MP1A	Z	-6.208	-6.208	0	%100
11	M9	X	2.688	2.688	0	%100
12	M9	Z	-4.656	-4.656	0	%100
13	M13	X	2.832	2.832	0	%100
14	M13	Z	-4.904	-4.904	0	%100
15	M14	X	4.457	4.457	0	%100
16	M14	Z	-7.72	-7.72	0	%100
17	M19	X	.129	.129	0	%100
18	M19	Z	-.224	-.224	0	%100
19	M20	X	.129	.129	0	%100
20	M20	Z	-.224	-.224	0	%100
21	M21	X	.129	.129	0	%100
22	M21	Z	-.224	-.224	0	%100

Member Distributed Loads (BLC 42 : Structure Wo (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M22	X	.129	.129	0	%100
24	M22	Z	-.224	-.224	0	%100
25	MP4A	X	3.584	3.584	0	%100
26	MP4A	Z	-6.208	-6.208	0	%100

Member Distributed Loads (BLC 43 : Structure Wo (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	5.554	5.554	0	%100
2	M2	Z	-3.207	-3.207	0	%100
3	MP3A	X	6.208	6.208	0	%100
4	MP3A	Z	-3.584	-3.584	0	%100
5	CBC1	X	2.1	2.1	0	%100
6	CBC1	Z	-1.212	-1.212	0	%100
7	MP2A	X	6.208	6.208	0	%100
8	MP2A	Z	-3.584	-3.584	0	%100
9	MP1A	X	6.208	6.208	0	%100
10	MP1A	Z	-3.584	-3.584	0	%100
11	M9	X	1.552	1.552	0	%100
12	M9	Z	-.896	-.896	0	%100
13	M13	X	.814	.814	0	%100
14	M13	Z	-.47	-.47	0	%100
15	M14	X	5.01	5.01	0	%100
16	M14	Z	-2.893	-2.893	0	%100
17	M19	X	.672	.672	0	%100
18	M19	Z	-.388	-.388	0	%100
19	M20	X	.672	.672	0	%100
20	M20	Z	-.388	-.388	0	%100
21	M21	X	.672	.672	0	%100
22	M21	Z	-.388	-.388	0	%100
23	M22	X	.672	.672	0	%100
24	M22	Z	-.388	-.388	0	%100
25	MP4A	X	6.208	6.208	0	%100
26	MP4A	Z	-3.584	-3.584	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	8.552	8.552	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	7.168	7.168	0	%100
4	MP3A	Z	0	0	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	0	0	0	%100
7	MP2A	X	7.168	7.168	0	%100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	7.168	7.168	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M13	X	.491	.491	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	1.393	1.393	0	%100
16	M14	Z	0	0	0	%100
17	M19	X	1.034	1.034	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	1.034	1.034	0	%100
20	M20	Z	0	0	0	%100

Member Distributed Loads (BLC 44 : Structure Wo (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
21	M21	X	1.034	1.034	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	1.034	1.034	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	7.168	7.168	0	%100
26	MP4A	Z	0	0	0	%100

Member Distributed Loads (BLC 45 : Structure Wo (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	5.554	5.554	0	%100
2	M2	Z	3.207	3.207	0	%100
3	MP3A	X	6.208	6.208	0	%100
4	MP3A	Z	3.584	3.584	0	%100
5	CBC1	X	2.1	2.1	0	%100
6	CBC1	Z	1.212	1.212	0	%100
7	MP2A	X	6.208	6.208	0	%100
8	MP2A	Z	3.584	3.584	0	%100
9	MP1A	X	6.208	6.208	0	%100
10	MP1A	Z	3.584	3.584	0	%100
11	M9	X	1.552	1.552	0	%100
12	M9	Z	.896	.896	0	%100
13	M13	X	4.126	4.126	0	%100
14	M13	Z	2.382	2.382	0	%100
15	M14	X	.113	.113	0	%100
16	M14	Z	.065	.065	0	%100
17	M19	X	.672	.672	0	%100
18	M19	Z	.388	.388	0	%100
19	M20	X	.672	.672	0	%100
20	M20	Z	.388	.388	0	%100
21	M21	X	.672	.672	0	%100
22	M21	Z	.388	.388	0	%100
23	M22	X	.672	.672	0	%100
24	M22	Z	.388	.388	0	%100
25	MP4A	X	6.208	6.208	0	%100
26	MP4A	Z	3.584	3.584	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	1.069	1.069	0	%100
2	M2	Z	1.851	1.851	0	%100
3	MP3A	X	3.584	3.584	0	%100
4	MP3A	Z	6.208	6.208	0	%100
5	CBC1	X	3.636	3.636	0	%100
6	CBC1	Z	6.299	6.299	0	%100
7	MP2A	X	3.584	3.584	0	%100
8	MP2A	Z	6.208	6.208	0	%100
9	MP1A	X	3.584	3.584	0	%100
10	MP1A	Z	6.208	6.208	0	%100
11	M9	X	2.688	2.688	0	%100
12	M9	Z	4.656	4.656	0	%100
13	M13	X	4.744	4.744	0	%100
14	M13	Z	8.217	8.217	0	%100
15	M14	X	1.63	1.63	0	%100
16	M14	Z	2.823	2.823	0	%100
17	M19	X	.129	.129	0	%100
18	M19	Z	.224	.224	0	%100

Member Distributed Loads (BLC 46 : Structure Wo (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
19	M20	X	.129	.129	0	%100
20	M20	Z	.224	.224	0	%100
21	M21	X	.129	.129	0	%100
22	M21	Z	.224	.224	0	%100
23	M22	X	.129	.129	0	%100
24	M22	Z	.224	.224	0	%100
25	MP4A	X	3.584	3.584	0	%100
26	MP4A	Z	6.208	6.208	0	%100

Member Distributed Loads (BLC 47 : Structure Wo (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	0	0	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	7.168	7.168	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	9.697	9.697	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	7.168	7.168	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	7.168	7.168	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	7.168	7.168	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	9.937	9.937	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	7.652	7.652	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	7.168	7.168	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-1.069	-1.069	0	%100
2	M2	Z	1.851	1.851	0	%100
3	MP3A	X	-3.584	-3.584	0	%100
4	MP3A	Z	6.208	6.208	0	%100
5	CBC1	X	-3.636	-3.636	0	%100
6	CBC1	Z	6.299	6.299	0	%100
7	MP2A	X	-3.584	-3.584	0	%100
8	MP2A	Z	6.208	6.208	0	%100
9	MP1A	X	-3.584	-3.584	0	%100
10	MP1A	Z	6.208	6.208	0	%100
11	M9	X	-2.688	-2.688	0	%100
12	M9	Z	4.656	4.656	0	%100
13	M13	X	-2.832	-2.832	0	%100
14	M13	Z	4.904	4.904	0	%100
15	M14	X	-4.457	-4.457	0	%100
16	M14	Z	7.72	7.72	0	%100

Member Distributed Loads (BLC 48 : Structure Wo (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
17	M19	X	-.129	-.129	0	%100
18	M19	Z	.224	.224	0	%100
19	M20	X	-.129	-.129	0	%100
20	M20	Z	.224	.224	0	%100
21	M21	X	-.129	-.129	0	%100
22	M21	Z	.224	.224	0	%100
23	M22	X	-.129	-.129	0	%100
24	M22	Z	.224	.224	0	%100
25	MP4A	X	-3.584	-3.584	0	%100
26	MP4A	Z	6.208	6.208	0	%100

Member Distributed Loads (BLC 49 : Structure Wo (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-5.554	-5.554	0	%100
2	M2	Z	3.207	3.207	0	%100
3	MP3A	X	-6.208	-6.208	0	%100
4	MP3A	Z	3.584	3.584	0	%100
5	CBC1	X	-2.1	-2.1	0	%100
6	CBC1	Z	1.212	1.212	0	%100
7	MP2A	X	-6.208	-6.208	0	%100
8	MP2A	Z	3.584	3.584	0	%100
9	MP1A	X	-6.208	-6.208	0	%100
10	MP1A	Z	3.584	3.584	0	%100
11	M9	X	-1.552	-1.552	0	%100
12	M9	Z	.896	.896	0	%100
13	M13	X	-.814	-.814	0	%100
14	M13	Z	.47	.47	0	%100
15	M14	X	-5.01	-5.01	0	%100
16	M14	Z	2.893	2.893	0	%100
17	M19	X	-.672	-.672	0	%100
18	M19	Z	.388	.388	0	%100
19	M20	X	-.672	-.672	0	%100
20	M20	Z	.388	.388	0	%100
21	M21	X	-.672	-.672	0	%100
22	M21	Z	.388	.388	0	%100
23	M22	X	-.672	-.672	0	%100
24	M22	Z	.388	.388	0	%100
25	MP4A	X	-6.208	-6.208	0	%100
26	MP4A	Z	3.584	3.584	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-8.552	-8.552	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	-7.168	-7.168	0	%100
4	MP3A	Z	0	0	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	0	0	0	%100
7	MP2A	X	-7.168	-7.168	0	%100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	-7.168	-7.168	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M13	X	-.491	-.491	0	%100
14	M13	Z	0	0	0	%100

Member Distributed Loads (BLC 50 : Structure Wo (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
15	M14	X	-1.393	-1.393	0	%100
16	M14	Z	0	0	0	%100
17	M19	X	-1.034	-1.034	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-1.034	-1.034	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	-1.034	-1.034	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	-1.034	-1.034	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	-7.168	-7.168	0	%100
26	MP4A	Z	0	0	0	%100

Member Distributed Loads (BLC 51 : Structure Wo (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-5.554	-5.554	0	%100
2	M2	Z	-3.207	-3.207	0	%100
3	MP3A	X	-6.208	-6.208	0	%100
4	MP3A	Z	-3.584	-3.584	0	%100
5	CBC1	X	-2.1	-2.1	0	%100
6	CBC1	Z	-1.212	-1.212	0	%100
7	MP2A	X	-6.208	-6.208	0	%100
8	MP2A	Z	-3.584	-3.584	0	%100
9	MP1A	X	-6.208	-6.208	0	%100
10	MP1A	Z	-3.584	-3.584	0	%100
11	M9	X	-1.552	-1.552	0	%100
12	M9	Z	-.896	-.896	0	%100
13	M13	X	-4.126	-4.126	0	%100
14	M13	Z	-2.382	-2.382	0	%100
15	M14	X	-.113	-.113	0	%100
16	M14	Z	-.065	-.065	0	%100
17	M19	X	-.672	-.672	0	%100
18	M19	Z	-.388	-.388	0	%100
19	M20	X	-.672	-.672	0	%100
20	M20	Z	-.388	-.388	0	%100
21	M21	X	-.672	-.672	0	%100
22	M21	Z	-.388	-.388	0	%100
23	M22	X	-.672	-.672	0	%100
24	M22	Z	-.388	-.388	0	%100
25	MP4A	X	-6.208	-6.208	0	%100
26	MP4A	Z	-3.584	-3.584	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-1.069	-1.069	0	%100
2	M2	Z	-1.851	-1.851	0	%100
3	MP3A	X	-3.584	-3.584	0	%100
4	MP3A	Z	-6.208	-6.208	0	%100
5	CBC1	X	-3.636	-3.636	0	%100
6	CBC1	Z	-6.299	-6.299	0	%100
7	MP2A	X	-3.584	-3.584	0	%100
8	MP2A	Z	-6.208	-6.208	0	%100
9	MP1A	X	-3.584	-3.584	0	%100
10	MP1A	Z	-6.208	-6.208	0	%100
11	M9	X	-2.688	-2.688	0	%100
12	M9	Z	-4.656	-4.656	0	%100

Member Distributed Loads (BLC 52 : Structure Wo (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M13	X	-4.744	-4.744	0	%100
14	M13	Z	-8.217	-8.217	0	%100
15	M14	X	-1.63	-1.63	0	%100
16	M14	Z	-2.823	-2.823	0	%100
17	M19	X	-.129	-.129	0	%100
18	M19	Z	-.224	-.224	0	%100
19	M20	X	-.129	-.129	0	%100
20	M20	Z	-.224	-.224	0	%100
21	M21	X	-.129	-.129	0	%100
22	M21	Z	-.224	-.224	0	%100
23	M22	X	-.129	-.129	0	%100
24	M22	Z	-.224	-.224	0	%100
25	MP4A	X	-3.584	-3.584	0	%100
26	MP4A	Z	-6.208	-6.208	0	%100

Member Distributed Loads (BLC 53 : Structure Wi (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	0	0	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	-2.411	-2.411	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	-2.85	-2.85	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-2.411	-2.411	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	-2.411	-2.411	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-2.411	-2.411	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-2.663	-2.663	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-2.026	-2.026	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	-2.411	-2.411	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.274	.274	0	%100
2	M2	Z	-.474	-.474	0	%100
3	MP3A	X	1.205	1.205	0	%100
4	MP3A	Z	-2.088	-2.088	0	%100
5	CBC1	X	1.069	1.069	0	%100
6	CBC1	Z	-1.851	-1.851	0	%100
7	MP2A	X	1.205	1.205	0	%100
8	MP2A	Z	-2.088	-2.088	0	%100
9	MP1A	X	1.205	1.205	0	%100
10	MP1A	Z	-2.088	-2.088	0	%100

Member Distributed Loads (BLC 54 : Structure Wi (30 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	M9	X	.904	.904	0	%100
12	M9	Z	-1.566	-1.566	0	%100
13	M13	X	.759	.759	0	%100
14	M13	Z	-1.314	-1.314	0	%100
15	M14	X	1.18	1.18	0	%100
16	M14	Z	-2.044	-2.044	0	%100
17	M19	X	.107	.107	0	%100
18	M19	Z	-.186	-.186	0	%100
19	M20	X	.107	.107	0	%100
20	M20	Z	-.186	-.186	0	%100
21	M21	X	.107	.107	0	%100
22	M21	Z	-.186	-.186	0	%100
23	M22	X	.107	.107	0	%100
24	M22	Z	-.186	-.186	0	%100
25	MP4A	X	1.205	1.205	0	%100
26	MP4A	Z	-2.088	-2.088	0	%100

Member Distributed Loads (BLC 55 : Structure Wi (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	1.421	1.421	0	%100
2	M2	Z	-.821	-.821	0	%100
3	MP3A	X	2.088	2.088	0	%100
4	MP3A	Z	-1.205	-1.205	0	%100
5	CBC1	X	.617	.617	0	%100
6	CBC1	Z	-.356	-.356	0	%100
7	MP2A	X	2.088	2.088	0	%100
8	MP2A	Z	-1.205	-1.205	0	%100
9	MP1A	X	2.088	2.088	0	%100
10	MP1A	Z	-1.205	-1.205	0	%100
11	M9	X	.522	.522	0	%100
12	M9	Z	-.301	-.301	0	%100
13	M13	X	.218	.218	0	%100
14	M13	Z	-.126	-.126	0	%100
15	M14	X	1.326	1.326	0	%100
16	M14	Z	-.766	-.766	0	%100
17	M19	X	.558	.558	0	%100
18	M19	Z	-.322	-.322	0	%100
19	M20	X	.558	.558	0	%100
20	M20	Z	-.322	-.322	0	%100
21	M21	X	.558	.558	0	%100
22	M21	Z	-.322	-.322	0	%100
23	M22	X	.558	.558	0	%100
24	M22	Z	-.322	-.322	0	%100
25	MP4A	X	2.088	2.088	0	%100
26	MP4A	Z	-1.205	-1.205	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	2.188	2.188	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	2.411	2.411	0	%100
4	MP3A	Z	0	0	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	0	0	0	%100
7	MP2A	X	2.411	2.411	0	%100
8	MP2A	Z	0	0	0	%100

Member Distributed Loads (BLC 56 : Structure Wi (90 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
9	MP1A	X	2.411	2.411	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M13	X	.132	.132	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	.369	.369	0	%100
16	M14	Z	0	0	0	%100
17	M19	X	.86	.86	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.86	.86	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	.86	.86	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	.86	.86	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	2.411	2.411	0	%100
26	MP4A	Z	0	0	0	%100

Member Distributed Loads (BLC 57 : Structure Wi (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	1.421	1.421	0	%100
2	M2	Z	.821	.821	0	%100
3	MP3A	X	2.088	2.088	0	%100
4	MP3A	Z	1.205	1.205	0	%100
5	CBC1	X	.617	.617	0	%100
6	CBC1	Z	.356	.356	0	%100
7	MP2A	X	2.088	2.088	0	%100
8	MP2A	Z	1.205	1.205	0	%100
9	MP1A	X	2.088	2.088	0	%100
10	MP1A	Z	1.205	1.205	0	%100
11	M9	X	.522	.522	0	%100
12	M9	Z	.301	.301	0	%100
13	M13	X	1.106	1.106	0	%100
14	M13	Z	.638	.638	0	%100
15	M14	X	.03	.03	0	%100
16	M14	Z	.017	.017	0	%100
17	M19	X	.558	.558	0	%100
18	M19	Z	.322	.322	0	%100
19	M20	X	.558	.558	0	%100
20	M20	Z	.322	.322	0	%100
21	M21	X	.558	.558	0	%100
22	M21	Z	.322	.322	0	%100
23	M22	X	.558	.558	0	%100
24	M22	Z	.322	.322	0	%100
25	MP4A	X	2.088	2.088	0	%100
26	MP4A	Z	1.205	1.205	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.274	.274	0	%100
2	M2	Z	.474	.474	0	%100
3	MP3A	X	1.205	1.205	0	%100
4	MP3A	Z	2.088	2.088	0	%100
5	CBC1	X	1.069	1.069	0	%100
6	CBC1	Z	1.851	1.851	0	%100

Member Distributed Loads (BLC 58 : Structure Wi (150 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
7	MP2A	X	1.205	1.205	0	%100
8	MP2A	Z	2.088	2.088	0	%100
9	MP1A	X	1.205	1.205	0	%100
10	MP1A	Z	2.088	2.088	0	%100
11	M9	X	.904	.904	0	%100
12	M9	Z	1.566	1.566	0	%100
13	M13	X	1.271	1.271	0	%100
14	M13	Z	2.202	2.202	0	%100
15	M14	X	.431	.431	0	%100
16	M14	Z	.747	.747	0	%100
17	M19	X	.107	.107	0	%100
18	M19	Z	.186	.186	0	%100
19	M20	X	.107	.107	0	%100
20	M20	Z	.186	.186	0	%100
21	M21	X	.107	.107	0	%100
22	M21	Z	.186	.186	0	%100
23	M22	X	.107	.107	0	%100
24	M22	Z	.186	.186	0	%100
25	MP4A	X	1.205	1.205	0	%100
26	MP4A	Z	2.088	2.088	0	%100

Member Distributed Loads (BLC 59 : Structure Wi (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	0	0	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	2.411	2.411	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	2.85	2.85	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	2.411	2.411	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	2.411	2.411	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	2.411	2.411	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	2.663	2.663	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	2.026	2.026	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	2.411	2.411	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-.274	-.274	0	%100
2	M2	Z	.474	.474	0	%100
3	MP3A	X	-1.205	-1.205	0	%100
4	MP3A	Z	2.088	2.088	0	%100

Member Distributed Loads (BLC 60 : Structure Wi (210 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
5	CBC1	X	-1.069	-1.069	0	%100
6	CBC1	Z	1.851	1.851	0	%100
7	MP2A	X	-1.205	-1.205	0	%100
8	MP2A	Z	2.088	2.088	0	%100
9	MP1A	X	-1.205	-1.205	0	%100
10	MP1A	Z	2.088	2.088	0	%100
11	M9	X	-.904	-.904	0	%100
12	M9	Z	1.566	1.566	0	%100
13	M13	X	-.759	-.759	0	%100
14	M13	Z	1.314	1.314	0	%100
15	M14	X	-1.18	-1.18	0	%100
16	M14	Z	2.044	2.044	0	%100
17	M19	X	-.107	-.107	0	%100
18	M19	Z	.186	.186	0	%100
19	M20	X	-.107	-.107	0	%100
20	M20	Z	.186	.186	0	%100
21	M21	X	-.107	-.107	0	%100
22	M21	Z	.186	.186	0	%100
23	M22	X	-.107	-.107	0	%100
24	M22	Z	.186	.186	0	%100
25	MP4A	X	-1.205	-1.205	0	%100
26	MP4A	Z	2.088	2.088	0	%100

Member Distributed Loads (BLC 61 : Structure Wi (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-1.421	-1.421	0	%100
2	M2	Z	.821	.821	0	%100
3	MP3A	X	-2.088	-2.088	0	%100
4	MP3A	Z	1.205	1.205	0	%100
5	CBC1	X	-.617	-.617	0	%100
6	CBC1	Z	.356	.356	0	%100
7	MP2A	X	-2.088	-2.088	0	%100
8	MP2A	Z	1.205	1.205	0	%100
9	MP1A	X	-2.088	-2.088	0	%100
10	MP1A	Z	1.205	1.205	0	%100
11	M9	X	-.522	-.522	0	%100
12	M9	Z	.301	.301	0	%100
13	M13	X	-.218	-.218	0	%100
14	M13	Z	.126	.126	0	%100
15	M14	X	-1.326	-1.326	0	%100
16	M14	Z	.766	.766	0	%100
17	M19	X	-.558	-.558	0	%100
18	M19	Z	.322	.322	0	%100
19	M20	X	-.558	-.558	0	%100
20	M20	Z	.322	.322	0	%100
21	M21	X	-.558	-.558	0	%100
22	M21	Z	.322	.322	0	%100
23	M22	X	-.558	-.558	0	%100
24	M22	Z	.322	.322	0	%100
25	MP4A	X	-2.088	-2.088	0	%100
26	MP4A	Z	1.205	1.205	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-2.188	-2.188	0	%100
2	M2	Z	0	0	0	%100

Member Distributed Loads (BLC 62 : Structure Wi (270 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	MP3A	X	-2.411	-2.411	0	%100
4	MP3A	Z	0	0	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	0	0	0	%100
7	MP2A	X	-2.411	-2.411	0	%100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	-2.411	-2.411	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M13	X	-.132	-.132	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	-.369	-.369	0	%100
16	M14	Z	0	0	0	%100
17	M19	X	-.86	-.86	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.86	-.86	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	-.86	-.86	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	-.86	-.86	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	-2.411	-2.411	0	%100
26	MP4A	Z	0	0	0	%100

Member Distributed Loads (BLC 63 : Structure Wi (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-1.421	-1.421	0	%100
2	M2	Z	-.821	-.821	0	%100
3	MP3A	X	-2.088	-2.088	0	%100
4	MP3A	Z	-1.205	-1.205	0	%100
5	CBC1	X	-.617	-.617	0	%100
6	CBC1	Z	-.356	-.356	0	%100
7	MP2A	X	-2.088	-2.088	0	%100
8	MP2A	Z	-1.205	-1.205	0	%100
9	MP1A	X	-2.088	-2.088	0	%100
10	MP1A	Z	-1.205	-1.205	0	%100
11	M9	X	-.522	-.522	0	%100
12	M9	Z	-.301	-.301	0	%100
13	M13	X	-1.106	-1.106	0	%100
14	M13	Z	-.638	-.638	0	%100
15	M14	X	-.03	-.03	0	%100
16	M14	Z	-.017	-.017	0	%100
17	M19	X	-.558	-.558	0	%100
18	M19	Z	-.322	-.322	0	%100
19	M20	X	-.558	-.558	0	%100
20	M20	Z	-.322	-.322	0	%100
21	M21	X	-.558	-.558	0	%100
22	M21	Z	-.322	-.322	0	%100
23	M22	X	-.558	-.558	0	%100
24	M22	Z	-.322	-.322	0	%100
25	MP4A	X	-2.088	-2.088	0	%100
26	MP4A	Z	-1.205	-1.205	0	%100

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg))

Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]

Member Distributed Loads (BLC 64 : Structure Wi (330 Deg)) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-.274	-.274	0	%100
2	M2	Z	-.474	-.474	0	%100
3	MP3A	X	-1.205	-1.205	0	%100
4	MP3A	Z	-2.088	-2.088	0	%100
5	CBC1	X	-1.069	-1.069	0	%100
6	CBC1	Z	-1.851	-1.851	0	%100
7	MP2A	X	-1.205	-1.205	0	%100
8	MP2A	Z	-2.088	-2.088	0	%100
9	MP1A	X	-1.205	-1.205	0	%100
10	MP1A	Z	-2.088	-2.088	0	%100
11	M9	X	-.904	-.904	0	%100
12	M9	Z	-1.566	-1.566	0	%100
13	M13	X	-1.271	-1.271	0	%100
14	M13	Z	-2.202	-2.202	0	%100
15	M14	X	-.431	-.431	0	%100
16	M14	Z	-.747	-.747	0	%100
17	M19	X	-.107	-.107	0	%100
18	M19	Z	-.186	-.186	0	%100
19	M20	X	-.107	-.107	0	%100
20	M20	Z	-.186	-.186	0	%100
21	M21	X	-.107	-.107	0	%100
22	M21	Z	-.186	-.186	0	%100
23	M22	X	-.107	-.107	0	%100
24	M22	Z	-.186	-.186	0	%100
25	MP4A	X	-1.205	-1.205	0	%100
26	MP4A	Z	-2.088	-2.088	0	%100

Member Distributed Loads (BLC 65 : Structure Wm (0 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	0	0	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	-.448	-.448	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	-.606	-.606	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-.448	-.448	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	-.448	-.448	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	-.448	-.448	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	-.621	-.621	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	-.478	-.478	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	-.448	-.448	0	%100

Member Distributed Loads (BLC 66 : Structure Wm (30 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.067	.067	0	%100
2	M2	Z	-.116	-.116	0	%100
3	MP3A	X	.224	.224	0	%100
4	MP3A	Z	-.388	-.388	0	%100
5	CBC1	X	.227	.227	0	%100
6	CBC1	Z	-.394	-.394	0	%100
7	MP2A	X	.224	.224	0	%100
8	MP2A	Z	-.388	-.388	0	%100
9	MP1A	X	.224	.224	0	%100
10	MP1A	Z	-.388	-.388	0	%100
11	M9	X	.168	.168	0	%100
12	M9	Z	-.291	-.291	0	%100
13	M13	X	.177	.177	0	%100
14	M13	Z	-.307	-.307	0	%100
15	M14	X	.279	.279	0	%100
16	M14	Z	-.483	-.483	0	%100
17	M19	X	.008	.008	0	%100
18	M19	Z	-.014	-.014	0	%100
19	M20	X	.008	.008	0	%100
20	M20	Z	-.014	-.014	0	%100
21	M21	X	.008	.008	0	%100
22	M21	Z	-.014	-.014	0	%100
23	M22	X	.008	.008	0	%100
24	M22	Z	-.014	-.014	0	%100
25	MP4A	X	.224	.224	0	%100
26	MP4A	Z	-.388	-.388	0	%100

Member Distributed Loads (BLC 67 : Structure Wm (60 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.347	.347	0	%100
2	M2	Z	-.2	-.2	0	%100
3	MP3A	X	.388	.388	0	%100
4	MP3A	Z	-.224	-.224	0	%100
5	CBC1	X	.131	.131	0	%100
6	CBC1	Z	-.076	-.076	0	%100
7	MP2A	X	.388	.388	0	%100
8	MP2A	Z	-.224	-.224	0	%100
9	MP1A	X	.388	.388	0	%100
10	MP1A	Z	-.224	-.224	0	%100
11	M9	X	.097	.097	0	%100
12	M9	Z	-.056	-.056	0	%100
13	M13	X	.051	.051	0	%100
14	M13	Z	-.029	-.029	0	%100
15	M14	X	.313	.313	0	%100
16	M14	Z	-.181	-.181	0	%100
17	M19	X	.042	.042	0	%100
18	M19	Z	-.024	-.024	0	%100
19	M20	X	.042	.042	0	%100
20	M20	Z	-.024	-.024	0	%100
21	M21	X	.042	.042	0	%100
22	M21	Z	-.024	-.024	0	%100
23	M22	X	.042	.042	0	%100
24	M22	Z	-.024	-.024	0	%100
25	MP4A	X	.388	.388	0	%100
26	MP4A	Z	-.224	-.224	0	%100

Member Distributed Loads (BLC 68 : Structure Wm (90 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.534	.534	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	.448	.448	0	%100
4	MP3A	Z	0	0	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	0	0	0	%100
7	MP2A	X	.448	.448	0	%100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	.448	.448	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M13	X	.031	.031	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	.087	.087	0	%100
16	M14	Z	0	0	0	%100
17	M19	X	.065	.065	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	.065	.065	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	.065	.065	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	.065	.065	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	.448	.448	0	%100
26	MP4A	Z	0	0	0	%100

Member Distributed Loads (BLC 69 : Structure Wm (120 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.347	.347	0	%100
2	M2	Z	.2	.2	0	%100
3	MP3A	X	.388	.388	0	%100
4	MP3A	Z	.224	.224	0	%100
5	CBC1	X	.131	.131	0	%100
6	CBC1	Z	.076	.076	0	%100
7	MP2A	X	.388	.388	0	%100
8	MP2A	Z	.224	.224	0	%100
9	MP1A	X	.388	.388	0	%100
10	MP1A	Z	.224	.224	0	%100
11	M9	X	.097	.097	0	%100
12	M9	Z	.056	.056	0	%100
13	M13	X	.258	.258	0	%100
14	M13	Z	.149	.149	0	%100
15	M14	X	.007	.007	0	%100
16	M14	Z	.004	.004	0	%100
17	M19	X	.042	.042	0	%100
18	M19	Z	.024	.024	0	%100
19	M20	X	.042	.042	0	%100
20	M20	Z	.024	.024	0	%100
21	M21	X	.042	.042	0	%100
22	M21	Z	.024	.024	0	%100
23	M22	X	.042	.042	0	%100
24	M22	Z	.024	.024	0	%100
25	MP4A	X	.388	.388	0	%100
26	MP4A	Z	.224	.224	0	%100

Member Distributed Loads (BLC 70 : Structure Wm (150 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	.067	.067	0	%100
2	M2	Z	.116	.116	0	%100
3	MP3A	X	.224	.224	0	%100
4	MP3A	Z	.388	.388	0	%100
5	CBC1	X	.227	.227	0	%100
6	CBC1	Z	.394	.394	0	%100
7	MP2A	X	.224	.224	0	%100
8	MP2A	Z	.388	.388	0	%100
9	MP1A	X	.224	.224	0	%100
10	MP1A	Z	.388	.388	0	%100
11	M9	X	.168	.168	0	%100
12	M9	Z	.291	.291	0	%100
13	M13	X	.296	.296	0	%100
14	M13	Z	.514	.514	0	%100
15	M14	X	.102	.102	0	%100
16	M14	Z	.176	.176	0	%100
17	M19	X	.008	.008	0	%100
18	M19	Z	.014	.014	0	%100
19	M20	X	.008	.008	0	%100
20	M20	Z	.014	.014	0	%100
21	M21	X	.008	.008	0	%100
22	M21	Z	.014	.014	0	%100
23	M22	X	.008	.008	0	%100
24	M22	Z	.014	.014	0	%100
25	MP4A	X	.224	.224	0	%100
26	MP4A	Z	.388	.388	0	%100

Member Distributed Loads (BLC 71 : Structure Wm (180 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	0	0	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	0	0	0	%100
4	MP3A	Z	.448	.448	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	.606	.606	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	.448	.448	0	%100
9	MP1A	X	0	0	0	%100
10	MP1A	Z	.448	.448	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	.448	.448	0	%100
13	M13	X	0	0	0	%100
14	M13	Z	.621	.621	0	%100
15	M14	X	0	0	0	%100
16	M14	Z	.478	.478	0	%100
17	M19	X	0	0	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	0	0	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	0	0	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	0	0	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	0	0	0	%100
26	MP4A	Z	.448	.448	0	%100

Member Distributed Loads (BLC 72 : Structure Wm (210 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-.067	-.067	0	%100
2	M2	Z	.116	.116	0	%100
3	MP3A	X	-.224	-.224	0	%100
4	MP3A	Z	.388	.388	0	%100
5	CBC1	X	-.227	-.227	0	%100
6	CBC1	Z	.394	.394	0	%100
7	MP2A	X	-.224	-.224	0	%100
8	MP2A	Z	.388	.388	0	%100
9	MP1A	X	-.224	-.224	0	%100
10	MP1A	Z	.388	.388	0	%100
11	M9	X	-.168	-.168	0	%100
12	M9	Z	.291	.291	0	%100
13	M13	X	-.177	-.177	0	%100
14	M13	Z	.307	.307	0	%100
15	M14	X	-.279	-.279	0	%100
16	M14	Z	.483	.483	0	%100
17	M19	X	-.008	-.008	0	%100
18	M19	Z	.014	.014	0	%100
19	M20	X	-.008	-.008	0	%100
20	M20	Z	.014	.014	0	%100
21	M21	X	-.008	-.008	0	%100
22	M21	Z	.014	.014	0	%100
23	M22	X	-.008	-.008	0	%100
24	M22	Z	.014	.014	0	%100
25	MP4A	X	-.224	-.224	0	%100
26	MP4A	Z	.388	.388	0	%100

Member Distributed Loads (BLC 73 : Structure Wm (240 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-.347	-.347	0	%100
2	M2	Z	.2	.2	0	%100
3	MP3A	X	-.388	-.388	0	%100
4	MP3A	Z	.224	.224	0	%100
5	CBC1	X	-.131	-.131	0	%100
6	CBC1	Z	.076	.076	0	%100
7	MP2A	X	-.388	-.388	0	%100
8	MP2A	Z	.224	.224	0	%100
9	MP1A	X	-.388	-.388	0	%100
10	MP1A	Z	.224	.224	0	%100
11	M9	X	-.097	-.097	0	%100
12	M9	Z	.056	.056	0	%100
13	M13	X	-.051	-.051	0	%100
14	M13	Z	.029	.029	0	%100
15	M14	X	-.313	-.313	0	%100
16	M14	Z	.181	.181	0	%100
17	M19	X	-.042	-.042	0	%100
18	M19	Z	.024	.024	0	%100
19	M20	X	-.042	-.042	0	%100
20	M20	Z	.024	.024	0	%100
21	M21	X	-.042	-.042	0	%100
22	M21	Z	.024	.024	0	%100
23	M22	X	-.042	-.042	0	%100
24	M22	Z	.024	.024	0	%100
25	MP4A	X	-.388	-.388	0	%100
26	MP4A	Z	.224	.224	0	%100

Member Distributed Loads (BLC 74 : Structure Wm (270 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-.534	-.534	0	%100
2	M2	Z	0	0	0	%100
3	MP3A	X	-.448	-.448	0	%100
4	MP3A	Z	0	0	0	%100
5	CBC1	X	0	0	0	%100
6	CBC1	Z	0	0	0	%100
7	MP2A	X	-.448	-.448	0	%100
8	MP2A	Z	0	0	0	%100
9	MP1A	X	-.448	-.448	0	%100
10	MP1A	Z	0	0	0	%100
11	M9	X	0	0	0	%100
12	M9	Z	0	0	0	%100
13	M13	X	-.031	-.031	0	%100
14	M13	Z	0	0	0	%100
15	M14	X	-.087	-.087	0	%100
16	M14	Z	0	0	0	%100
17	M19	X	-.065	-.065	0	%100
18	M19	Z	0	0	0	%100
19	M20	X	-.065	-.065	0	%100
20	M20	Z	0	0	0	%100
21	M21	X	-.065	-.065	0	%100
22	M21	Z	0	0	0	%100
23	M22	X	-.065	-.065	0	%100
24	M22	Z	0	0	0	%100
25	MP4A	X	-.448	-.448	0	%100
26	MP4A	Z	0	0	0	%100

Member Distributed Loads (BLC 75 : Structure Wm (300 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-.347	-.347	0	%100
2	M2	Z	-.2	-.2	0	%100
3	MP3A	X	-.388	-.388	0	%100
4	MP3A	Z	-.224	-.224	0	%100
5	CBC1	X	-.131	-.131	0	%100
6	CBC1	Z	-.076	-.076	0	%100
7	MP2A	X	-.388	-.388	0	%100
8	MP2A	Z	-.224	-.224	0	%100
9	MP1A	X	-.388	-.388	0	%100
10	MP1A	Z	-.224	-.224	0	%100
11	M9	X	-.097	-.097	0	%100
12	M9	Z	-.056	-.056	0	%100
13	M13	X	-.258	-.258	0	%100
14	M13	Z	-.149	-.149	0	%100
15	M14	X	-.007	-.007	0	%100
16	M14	Z	-.004	-.004	0	%100
17	M19	X	-.042	-.042	0	%100
18	M19	Z	-.024	-.024	0	%100
19	M20	X	-.042	-.042	0	%100
20	M20	Z	-.024	-.024	0	%100
21	M21	X	-.042	-.042	0	%100
22	M21	Z	-.024	-.024	0	%100
23	M22	X	-.042	-.042	0	%100
24	M22	Z	-.024	-.024	0	%100
25	MP4A	X	-.388	-.388	0	%100
26	MP4A	Z	-.224	-.224	0	%100

Member Distributed Loads (BLC 76 : Structure Wm (330 Deg))

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M2	X	-.067	-.067	0	%100
2	M2	Z	-.116	-.116	0	%100
3	MP3A	X	-.224	-.224	0	%100
4	MP3A	Z	-.388	-.388	0	%100
5	CBC1	X	-.227	-.227	0	%100
6	CBC1	Z	-.394	-.394	0	%100
7	MP2A	X	-.224	-.224	0	%100
8	MP2A	Z	-.388	-.388	0	%100
9	MP1A	X	-.224	-.224	0	%100
10	MP1A	Z	-.388	-.388	0	%100
11	M9	X	-.168	-.168	0	%100
12	M9	Z	-.291	-.291	0	%100
13	M13	X	-.296	-.296	0	%100
14	M13	Z	-.514	-.514	0	%100
15	M14	X	-.102	-.102	0	%100
16	M14	Z	-.176	-.176	0	%100
17	M19	X	-.008	-.008	0	%100
18	M19	Z	-.014	-.014	0	%100
19	M20	X	-.008	-.008	0	%100
20	M20	Z	-.014	-.014	0	%100
21	M21	X	-.008	-.008	0	%100
22	M21	Z	-.014	-.014	0	%100
23	M22	X	-.008	-.008	0	%100
24	M22	Z	-.014	-.014	0	%100
25	MP4A	X	-.224	-.224	0	%100
26	MP4A	Z	-.388	-.388	0	%100

Member Area Loads

Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
No Data to Print ...						

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC
1	N11	max	274.142	11	1430.565	41	666.625	1	-.321	72	.743	12	.59	42
2		min	-666.326	29	484.885	72	-494.742	7	-.951	41	-.743	6	-1.267	36
3	N26	max	653.1	33	29.256	24	242.843	1	0	75	0	75	0	75
4		min	-62.273	3	7.808	66	-414.724	7	0	1	0	1	0	1
5	Totals:	max	545.466	11	1442.809	36	909.468	1						
6		min	-545.466	5	492.745	68	-909.466	7						

Envelope AISC 15th(360-16): LRFD Steel Code Checks

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
1	M2	HSS4X4X4	.076	.667	12	.130	.667	y	36	139258.7...	139518	16.181	16.181	1...	H1-1b
2	MP3A	PIPE 2.0	.322	4.333	27	.069	4.333		32	19360.206	32130	1.872	1.872	2...	H1-1b
3	CBC1	PIPE 3.0	.302	4.188	36	.089	3.063		36	53775.839	65205	5.749	5.749	2...	H1-1b
4	MP2A	PIPE 2.0	.260	4.266	27	.064	2.641		33	19360.206	32130	1.872	1.872	2...	H1-1b
5	MP1A	PIPE 2.0	.216	4.083	7	.063	4.083		6	17855.085	32130	1.872	1.872	1...	H1-1b
6	M9	PIPE 2.0	.261	3.063	32	.085	3.063		33	20866.733	32130	1.872	1.872	1...	H1-1b
7	M13	L2.5x2.5x3	.046	0	7	.018	0	z	35	21450.189	29192.4	.873	1.972	2...	H2-1
8	M14	L2.5x2.5x3	.042	0	7	.023	0	y	26	26568.924	29192.4	.873	1.972	2...	H2-1
9	M19	SR 0.5	.068	0	19	.065	0		19	6027.858	6361.725	.053	.053	1...	H1-1b
10	M20	SR 0.5	.067	0	19	.065	0		19	6027.858	6361.725	.053	.053	1...	H1-1b

Envelope AISC 15th(360-16): LRFD Steel Code Checks (Continued)

	Member	Shape	Code C...	Loc[ft]	LC	Shear ...	Loc[ft]	Dir	LC	phi*Pnc [lb]	phi*Pnt [lb]	phi*Mn y-...	phi*Mn z-...	Cb	Eqn
11	M21	SR 0.5	.084	0	24	.082	0		13	6027.858	6361.725	.053	.053	1...	H1-1b
12	M22	SR 0.5	.084	0	24	.082	0		13	6027.858	6361.725	.053	.053	1...	H1-1b
13	MP4A	PIPE_2.0	.007	3.073	12	.010	3.073		32	23808.54	32130	1.872	1.872	2...	H1-1b

VzW SMART Tool© Vendor

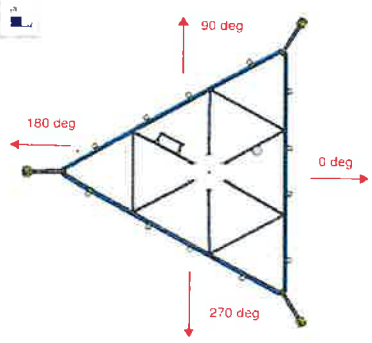
Client:	Verizon Wireless	Date:	7/5/2023
Site Name:	BROOKFIELD WEST CT		
MDG #:	5000386253		
Fuze ID #:	17123943	Page:	1

Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required — **Yes**

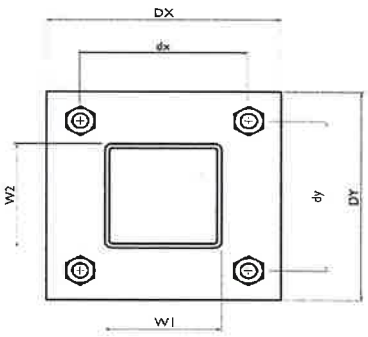
Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N11	0



Tower Connection Bolt Checks — **Yes**

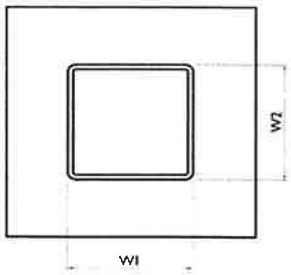
Bolt Orientation — **Parallel**

Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	8
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	8
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	0.7
Required Shear Strength / bolt (kips):	1.0
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	8.4%



Tower Connection Baseplate Checks — **Yes**

Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	10
Plate Height, D_y (in):	10
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.5
Length of Yield Line, L_y (in):	7.85
Bolt Eccentricity, e (in):	3.06
M_u (kip-in):	3.03
Phi*M_n (kip-in):	15.90
Plate Bending Utilization:	19.0%

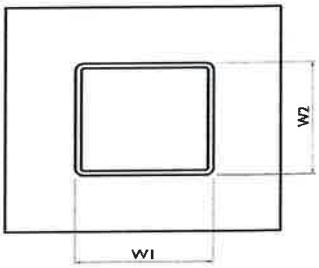


VzW SMART Tool© Vendor

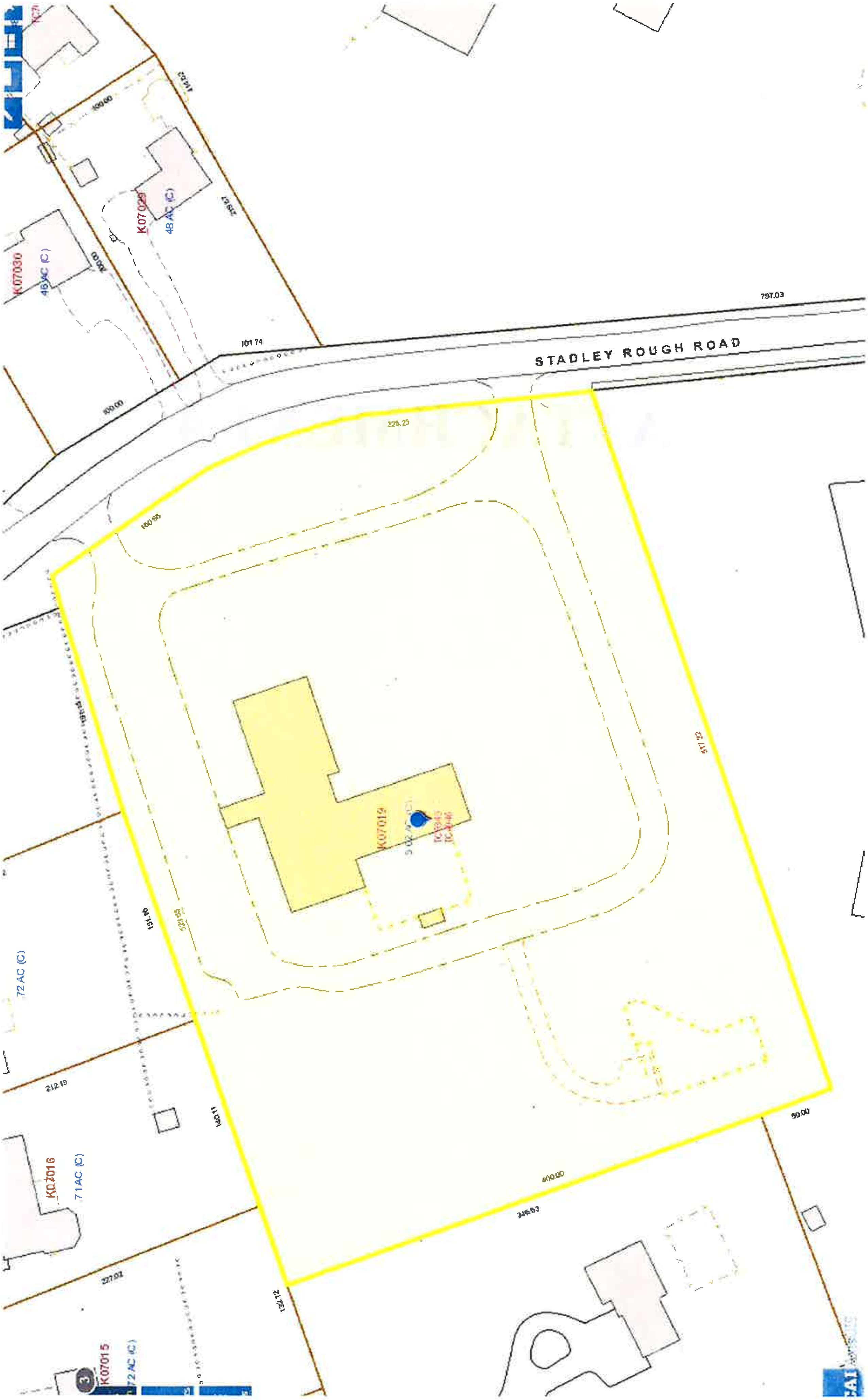
Client:	Verizon Wireless	Date:	7/5/2023
Site Name:	BROOKFIELD WEST CT		
MDG #:	5000386253		
Fuze ID #:	17123943	Page:	2
			Version 1.01

Tower Connection Weld Checks

	Yes
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	0.67
Weld Capacity (kip/in):	5.57
Weld Utilization:	**12.0%**



ATTACHMENT 4


STADLEY ROUGH ROAD
K07030
K07019
K07016
71 AC (C)
72 AC (C)
K07015
707.03
101.74
100.00
226.25
151.10
212.19
400.00
227.02
132.12
50.00

Danbury,CT

52 STADLEY ROUGH RD

Location
52 STADLEY ROUGH RD
Mblu
K07/ / 19/ 1/
Acct#
1
Owner
CHRIST THE SHEPHERD CHURCH PCA
Assessment
$173,800
Appraisal
$248,300
PID
128447
Building Count
1

Current Value

Appraisal

Valuation Year	Improvements	Land	Total
2020	$232,200	$16,100	$248,300

Assessment

Valuation Year	Improvements	Land	Total
2020	$162,500	$11,300	$173,800

Owner of Record

Owner CHRIST THE SHEPHERD CHURCH PCA
Co-Owner
Address 52 STADLEY ROUGH RD
DANBURY, CT 06811
Sale Price $450,000
Book & Page 1948/ 939
Sale Date 07/25/2007
Instrument 25

Ownership History

Ownership History

Owner	Sale Price	Book & Page	Instrument	Sale Date
CHRIST THE SHEPHERD CHURCH PCA	$450,000	1948/ 939	25	07/25/2007

Building Information
Building 1 : Section 1
Year Built:
Living Area: 0
Replacement Cost: $0
Building Percent Good:
Replacement Cost Less Depreciation: $0

Building Attributes

Field	Description

ATTACHMENT 5

Verizon/Brookfield West

UNITED STATES POSTAL SERVICE®

Certificate of Mailing — Firm

Name and Address of Sender	TOTAL NO. of Pieces Listed by Sender	TOTAL NO. of Pieces Received at Post Office™	Affix Stamp Here *Postmark with Date of Receipt.*
Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	3	3	neopost 07/27/2023 US POSTAGE $003.19⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

CT STATE HOUSE STATION
JUL 27 2023
USPS

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Dean Esposito, Mayor City of Danbury 155 Deer Hill Avenue Danbury, CT 06810				
2.	Sharon Calitro, AICP, Director of Planning and Zoning City of Danbury 155 Deer Hill Avenue Danbury, CT 06810				
3.	Christ the Shepard Church PCA 52 Stadley Rough Road Danbury, CT 06811				
4.					
5.					
6.					

See Reverse for Instructions