Robinson+Cole

KENNETH C. BALDWIN

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

Also admitted in Massachusetts
and New York

November 6, 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**
151 Berkshire Road, Newtown, Connecticut

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless ("Cellco") currently maintains a wireless telecommunications facility at the above-referenced 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 tower was approved by the Siting Council ("Council") in June of 2002 (Docket No. 220). Cellco's shared use of the tower was approved by the Council in August of 2005 (EM-VER-097-050713). A copy of the Council's Docket No. 220 Decision and Order and Cellco's 2005 exempt modification approval are included in Attachment 1.

Cellco's proposed modification involves the installation of four (4) interference mitigation filters ("Filters") on its existing antenna platform and mounting assembly. 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 Newtown's Chief Elected Official and Land Use Officer. A copy of this letter is being sent to the owners of the Property.

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 modification will not result in an increase in the height of the existing tower. The Filters will be installed on Cellco's existing antenna platform and mounting

assembly.

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, antenna platform and mounting assembly can support Cellco's proposed modifications. A copy 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:
Daniel Rosenthal, First Selectman
Rob Sibley, Director of Land Use
Mark Allen Hill and Marnie Uliasz, Property Owners
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

Connecticut Siting Council (/CSC)

DOCKET NO. 220 - Connecticut Agricultural Towers LLC application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a cellular telecommunications facility at 14 Osborn Hill Road, or 151 Berkshire Road (Route 34), Sandy Hook/Newtown, Connecticut. } Connecticut } Siting Council } June 3, 2(

Decision and Order

Pursuant to the foregoing Findings of Fact and Opinion, the Connecticut Siting Council (Council) finds that the effects associated with the construction, operation, and maintenance of a telecommunications facility at the proposed alternate site in Newtown, Connecticut, including effects on the natural environment; ecological integrity and balance; public health and safety; scenic, historic, and recreational values; forests and parks; air and water purity; and fish and wildlife are not disproportionate either alone or cumulatively with other effects when compared to need, are not in conflict with the policies of the State concerning such effects, and are not sufficient reason to deny the application and therefore directs that a Certificate of Environmental Compatibility and Public Need, as provided by General Statutes § 16-50k, be issued to James E. Dwyer Company for the construction, maintenance and operation of a cellular telecommunications facility at the proposed alternate site located at 151 Berkshire Road (Route 34), Newtown, Connecticut. We deny certification of the proposed prime site located at 14 Osborn Hill Road, Newtown, Connecticut.

The facility shall be constructed, operated, and maintained substantially as specified in the Council's record in this matter, and subject to the following conditions:

1. The tower shall be constructed as a monopole, no taller than necessary to provide the proposed telecommunications services, sufficient to accommodate the antennas of telecommunications providers, both public and private, but such tower shall not exceed a height of 120 feet above ground level, capable of being increased in height as needed by means of a petition to the Council.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be submitted to and approved by the Council prior to the commencement of facility construction and shall include: a final site plan(s) for site development to include the location and specifications for the tower, tower foundation, antennas, equipment building, security fence, access road, utility line, and landscaping plan. The D&M Plan shall also include construction plans to be submitted prior to construction for site clearing, water drainage, and erosion and sedimentation control consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control .

3. The Certificate Holder shall, prior to the commencement of operation, provide the Council worst-case modeling of electromagnetic radio frequency power density of all proposed entities' antennas at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin No. 65, August 1997. The Certificate Holder shall provide a recalculated report of electromagnetic radio frequency power density if and when circumstances in operation cause a change in power density above the levels calculated and provided pursuant to this Decision and Order.

4. Upon the establishment of any new State or federal radio frequency standards applicable to frequencies of this facility, the facility granted herein shall be brought into compliance with such standards.

5. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. If the facility does not initially provide, or permanently ceases to provide wireless services following completion of construction, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.

7. Any antenna that becomes obsolete and ceases to function shall be removed within 60 days after such antennas become obsolete and ceases to function.

8. Unless otherwise approved by the Council, this Decision and Order shall be void if the facility authorized herein is not operational within one year of the effective date of this Decision and Order or within one year after all appeals to this Decision and Order have been resolved.

Pursuant to General Statutes § 16-50p, we hereby direct that a copy of the Findings of Fact, Opinion, and Decision and Order be served on each person listed below, and notice of issuance shall be published in The Hartford Courant, and the Danbury News-Times.

By this Decision and Order, the Council disposes of the legal rights, duties, and privileges of each party named or admitted to the proceeding in accordance with Section 16-50j-17 of the Regulations of Connecticut State Agencies.

The parties and intervenors to this proceeding are:

Applicant
James E. Dwyer Co., Inc. Its Representative

Its Representatives
James E. Dwyer Co., Inc.
106 Sherman Street
Fairfield, CT 06430
Stephen J. Humes
LeBoeuf, Lamb, Greene & MacRae
Goodwin Square
225 Asylum Avenue
Hartford, CT 06103

Intervenor
Town of Newtown

Robert A. Fuller, Esq.
75 East Meadow Road
Wilton, CT 06897

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@po.state.ct.us
www.ct.gov/csc

August 25, 2005

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

RE: **EM-VER-097-050713** – Cellco Partnership d/b/a Verizon Wireless notice of intent to modify an existing telecommunications facility located at 151 Berkshire Road, Newtown, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on August 24, 2005, the Connecticut Siting Council (Council) acknowledged your notice to modify this existing telecommunications facility, pursuant to Section 16-50j-73 of the Regulations of Connecticut State Agencies.

The proposed modifications are to be implemented as specified here and in your notice dated July 13, 2005, including the placement of all necessary equipment and shelters within the tower compound. The modifications are in compliance with the exception criteria in Section 16-50j-72 (b) of the Regulations of Connecticut State Agencies as changes to an existing facility site that would not increase tower height, extend the boundaries of the tower site, increase noise levels at the tower site boundary by six decibels, and increase the total radio frequencies electromagnetic radiation power density measured at the tower site boundary to or above the standard adopted by the State Department of Environmental Protection pursuant to General Statutes § 22a-162. This facility has also been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower.

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

Thank you for your attention and cooperation.

Very truly yours,

Pamela B. Katz, P.E.
Chairman

PBK/laf

c: The Honorable Herbert C. Rosenthal, First Selectman, Town of Newtown
Gary Frenette, Zoning Enforcement Officer, Town of Newtown
Keith Coppins, Vice President of Development, Optasite, Inc.
Christopher B. Fisher, Esq., Cuddy & Feder LLP
Thomas J. Regan, Esq., Brown Rudnick Berlack Israels, LLP
Christine Farrell, T-Mobile USA

G:\EM\BAM-VERIZON\NEWTOWN\dc082405.DOC

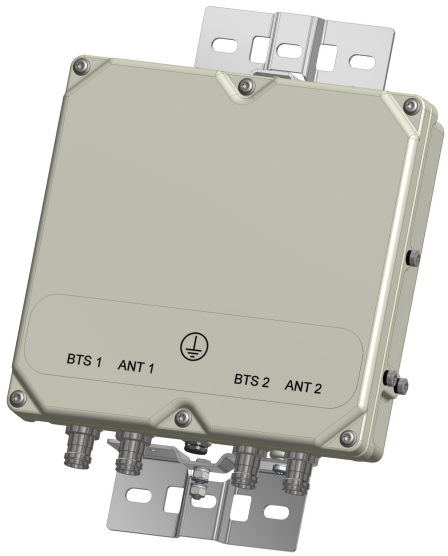
CSC
CONNECTICUT SITING COUNCIL

ATTACHMENT 2

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 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

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

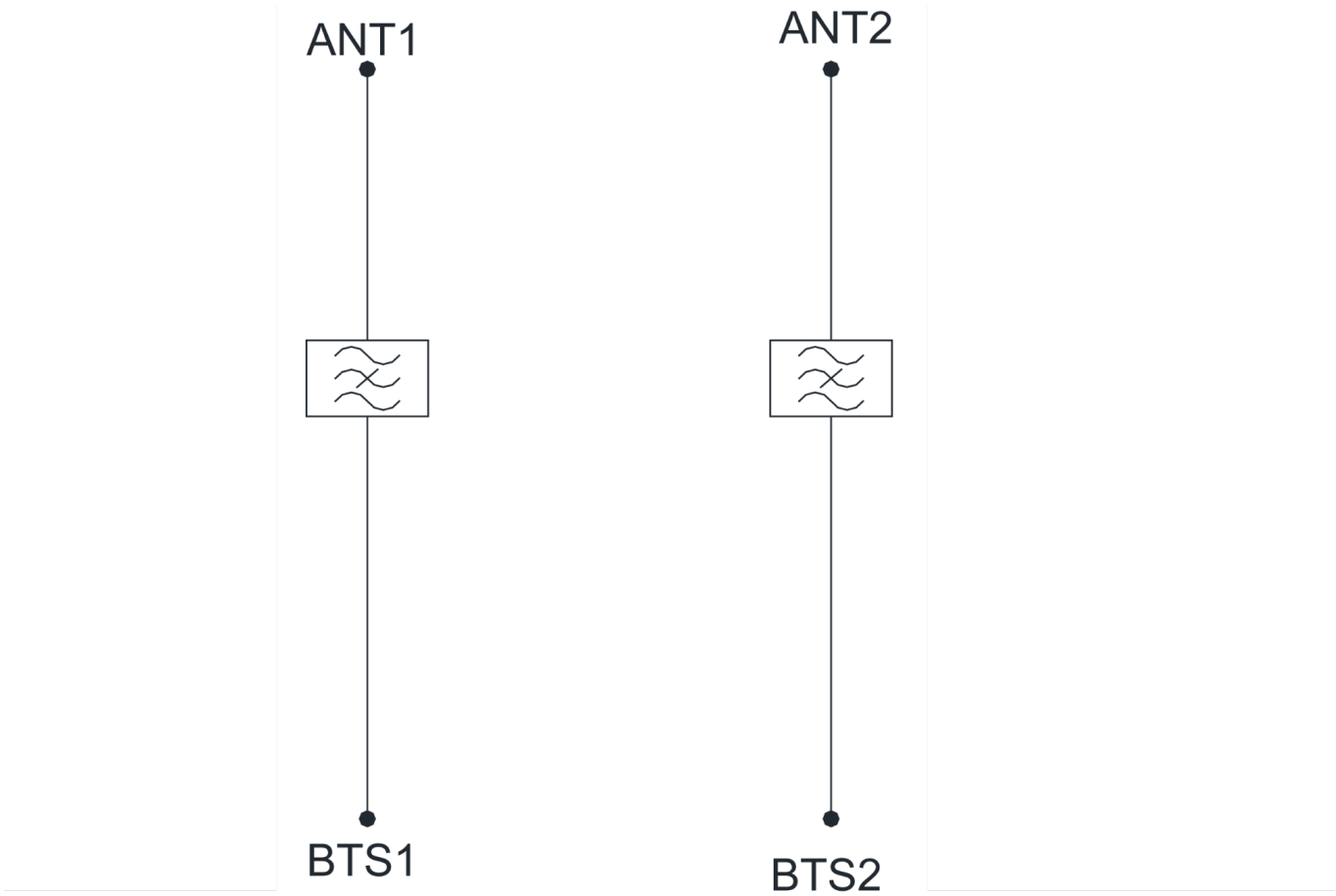
MECHANICAL	
Dimensions H x D x W	269 x 277 x 80mm | 10.60 x 10.90 x 3.15in (Excluding brackets and connectors)
Weight	8.0 kg | 17.6 lbs (no bracket)
Finish	Powder coated, light grey (RAL7035)
Connectors	RF: 4.3-10 (F) x 4
Mounting	Optional pole/wall bracket supplied with two metal clamps 45-178mm diameter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

ORDERING INFORMATION

PART NUMBER	CONFIGURATION	OPTIONAL FEATURES	CONNECTORS
KA-6030-2032	TWIN, 2 in / 2 out	DC/AISG PASS	4.3-10 (F)

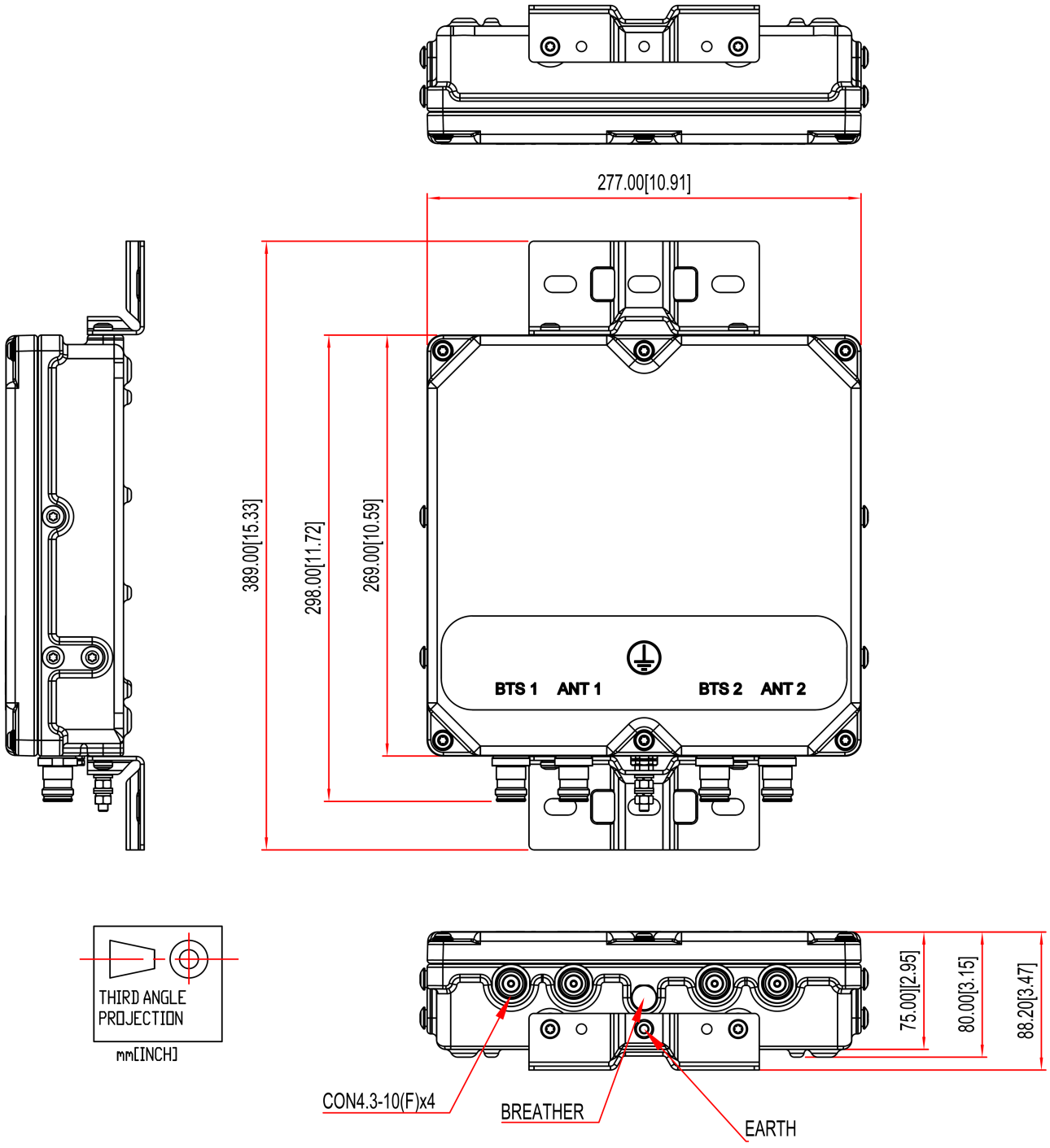
Contact Us: +1 303 768 8080 | +61 (0) 7 3907 1200 | www.kaelus.com

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: 5000105407 / Newtown SE CT
Application #: 237991, v2

SBA Site ID / Name: CT13057-A / Newtown

148 ft Monopole

151 Berkshire Road
Newtown, Connecticut 06470
Lat: 41.397375, Long: -73.236069

Project number: CT13057-VZW-100423

Analysis Results

Tower	74.9%	Pass
Foundation	60.0%	Pass

Change in tower stress due to mount modification / replacement	+0.0%

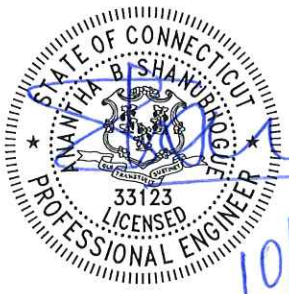
Prepared by:

Samuel Apaez
Structural Engineer I
561-981-7377
SApaez@sbasite.com

Reviewed by:

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

October 6, 2023



10/06/23

Table of Contents

Introduction

The purpose of this report is to summarize the analysis results on the 148 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	PennSummit / PJF, Job # 29203-0081, dated 4/22/2003
Foundation drawings	PennSummit / PJF, Job # 29203-0081, dated 4/28/2003
Geotechnical report	Dennis Morrissey, dated 06/20/2002
Modification drawings	N/A
Carrier MA	Maser Consulting Connecticut, Project # 21777745A (Rev 1), dated 12/17/2021
Latest SA	SBAE, Project # CT13057-DW-060722, dated 06/07/2022

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/Fairfield/Newtown
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	117 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	602.33 ft.
Seismic Parameter S_s	0.206
Seismic Parameter S_1	0.055

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	148.0	1	Decibel - DB-TDD6492A-A - Whip	(1) Pipe Mount	(1) 7/8"	Town of Newtown
2	147.0	1	Trombone - Whip	(1) 2 ft. Standoff	(1) 7/8"	
-	137.5	1	Commscope FE-16148-OVP-B12 Junction Box	Low Profile Platform [Modified]	(6) 1-5/8" Coax (1) 1/2" Coax (1) 1-5/8" Hybrid	Verizon
-		3	Swedcom SC-E 6014 Rev2 - Panel			
-		6	JMA Wireless MX06FRO660-03 - Panel			
-		3	Samsung MT6407-77A - Panel			
-		3	Commscope TD-850B-LTE78-43 - Combiner			
-		3	Samsung RF4439d-25A - RRU			
-		3	Samsung RF4440d-13A - RRU			
11	118.5	3	Powerwave 7770 - Panel	Low Profile Platform + (1) RRH Collar Mount w/SitePro Sitepro 1 P/N HRK12-Handrail Kit/3 2-1/2" std. (2.88" O.D.)-Pipe Mast	(6) 1-5/8" Coax (2) 1/2" Fiber (4) 3/4" DC	AT&T
12		6	Kathrein 800-10965 - Panel			
13		6	Powerwave LGP21401 - TMA			
14		3	Ericsson 4449 B5/B12 - RRU			
15		3	Ericsson RRUS 8843 B2 B66A - RRU			
16		2	Raycap DC6-48-60-18-8F (24x11" 32.8 lbs))			
17	109.0	3	RFS - APXVSPP18-C-A20 - Panel	(3) T-Arms w/ Working Platforms	(4) 1-1/4" Coax	T-Mobile Sprint
18		3	RFS - APXVTM14-C-I20 - Panel			
19		3	ALU - 800 MHz RRH - RRU			
20		3	ALU - 1900MHz RRH - RRU			
21		3	ALU - TD-RRH8x20 - RRU			
22		3	ALU - 800MHz RRH Filter			
23		4	RFS - ACU-A20-N - RET			
24	99.5	3	Commscope - RR65-18-00DPL2 - Panel	Platform w/ Hand Rails	(12) 1-1/4"	T-Mobile
25		3	RFS APXV18-206513-C-A20 - Panel			
26		3	Commscope LNX-6515DS-A1M - Panel			
27		3	RFS ATMAA1412D-1A2 - TMA			
28		3	Kathrein 782 11054 - Bias Ts			
29	85.0	3	Commscope FFVV-65B-R2 - Panel	(1) Platform w/HRK	(1) 1.75" Hybrid	Dish Wireless
30		3	Fujitsu TA08025-B605 - RRU			
31		3	Fujitsu TA08025-B604 - RRU			
32		1	Raycap RDIDC-9181-OF-48 - OVP			
33	50.5	1	Decibel - 260B - GPS	(1) 3 ft. Standoff	(1) 1/2" Coax	T-Mobile Sprint

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #:237991, 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
3	137.5	3	Swedcom SC-E 6014 Rev2 - Panel	Low Profile Platform w/Mods @136.5'	(6) 1-5/8" Coax (1) 1/2" Coax (1) 1-5/8" Hybrid	Verizon
4		6	JMA Wireless MX06FRO660-03 - Panel			
5		3	Samsung MT6407-77A - Panel - Panel			
6		3	Commscope TD-850B-LTE78-43 - Panel			
7		3	Samsung RF4439d-25A RRU			
8		3	Samsung RF4440d-13A RRU			
9		1	Commscope FE-16148-OVP-B12 Junction Box			
10		4	Kaelus KA-6030 - 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	Flange Connection
Max. Usage:	74.2%	69.0%	74.9%	44.5%
Pass/Fail	Pass	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	60.0%	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.

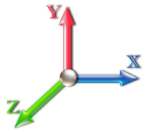
Appendix

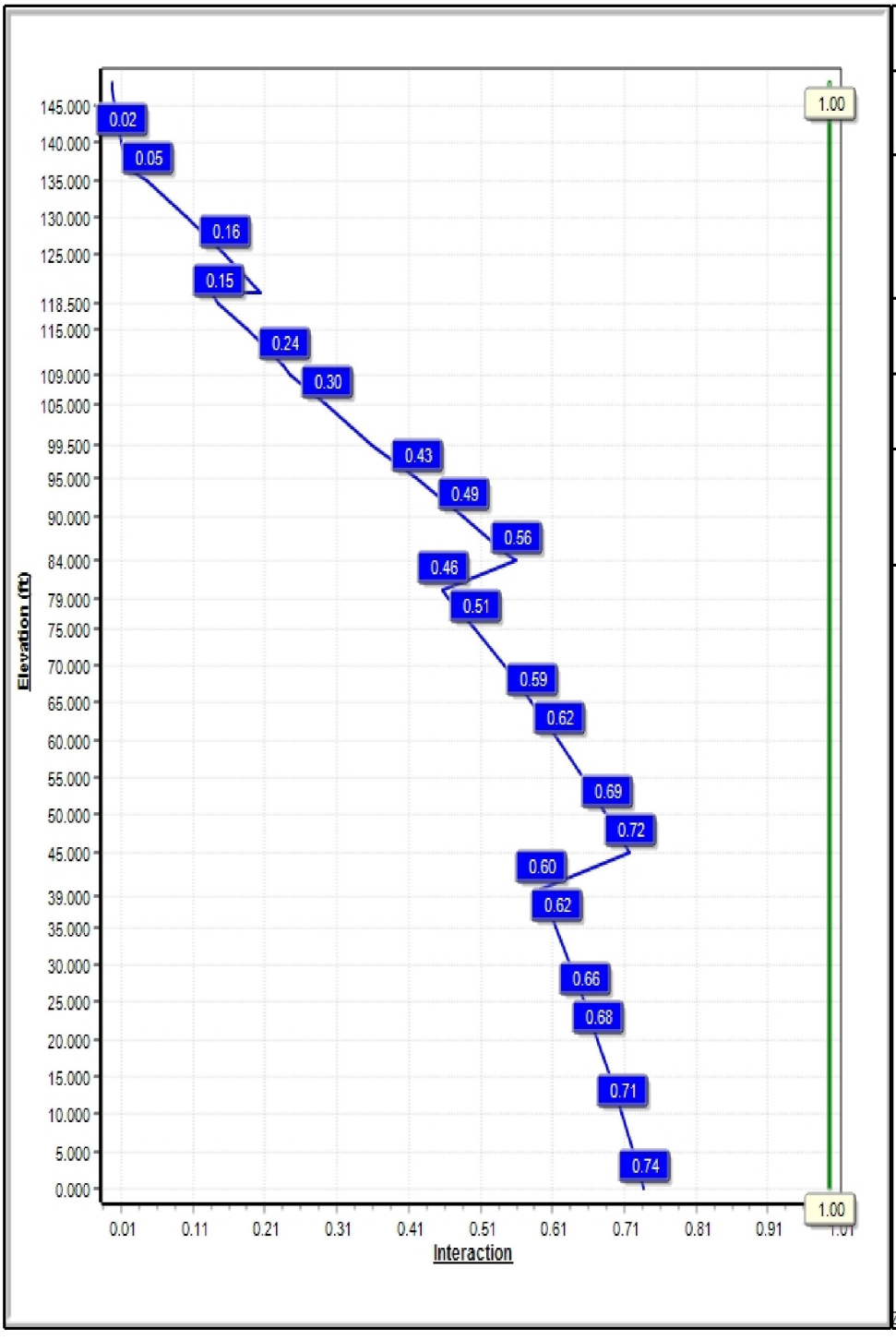
Usage Diagram - Max Ratio 74.21% at 0.0ft

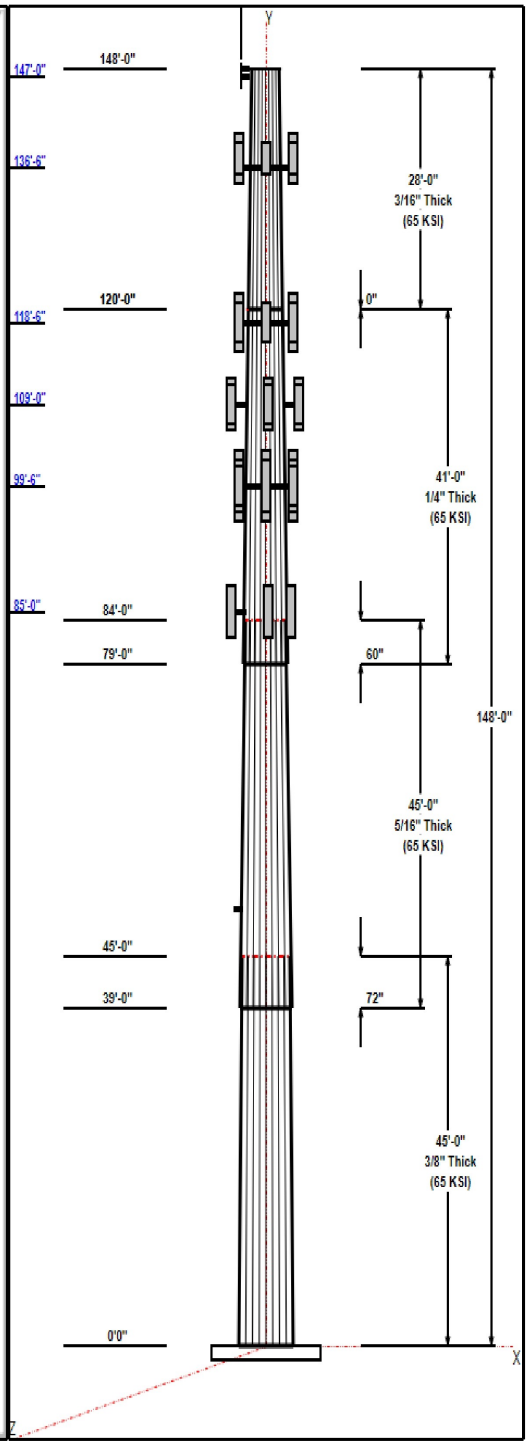
Structure:	CT13057-A	**Code:**	EIA/TIA-222-H	10/6/2023
Site Name:	Newtown	**Exposure:**	C	
Height:	148.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

Dead Load Factor:	1.20	**Iterations:**	24
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 117 mph Wind







Structure: CT13057-A

Type: Tapered
Site Name: Newtown
Height: 148.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.20983

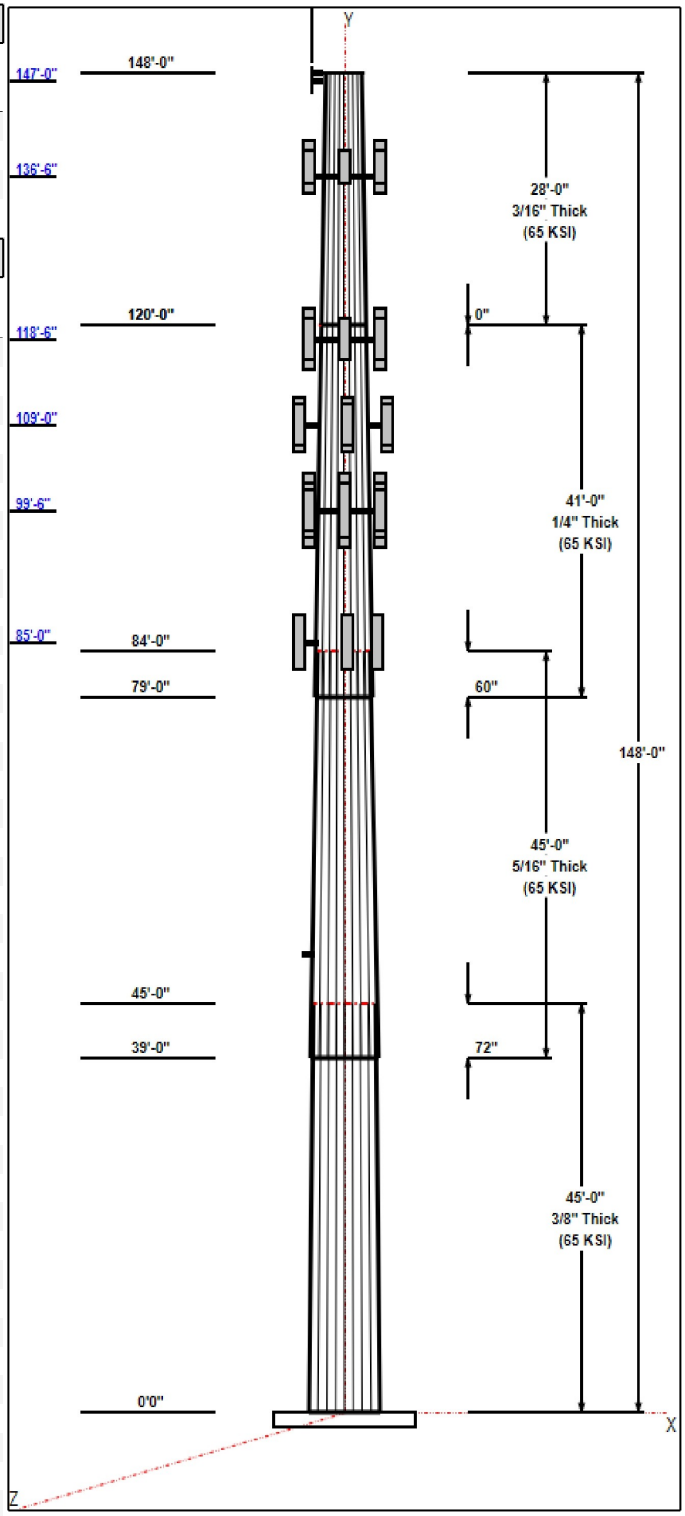
10/6/2023

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	45.00	45.99	55.43	0.375		0.20983	65
2	45.00	38.43	47.87	0.313	Slip	0.20983	65
3	41.00	31.38	39.98	0.250	Slip	0.20983	65
4	28.00	25.50	31.38	0.188	Butt	0.20983	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
148.00	153.00	1	DB-TDD6492A-A	Town of Newtown
148.00	150.00	1	Pipe Mount	Town of Newtown
148.00	151.00	1	6' Lightning rod	Tower
147.00	147.00	1	Standoff	Town of Newtown
147.00	147.00	1	Trombone	Town of Newtown
136.50	137.50	3	Swedcom SC-E 6014	Verizon
136.50	137.50	6	JMA Wireless	Verizon
136.50	137.50	3	Samsung MT6407-77A	Verizon
136.50	137.50	3	Commscope	Verizon
136.50	137.50	3	Samsung RF4439d-25A	Verizon
136.50	137.50	3	Samsung RF4440d-13A	Verizon
136.50	137.50	1	Commscope	Verizon
136.50	136.50	1	Low Profile Platform w/	Verizon
136.50	137.50	4	Kaelus KA-6030	Verizon
136.50	136.50	12	Mount Pipes	Verizon
118.50	118.50	3	Powerwave 7770	AT&T
118.50	118.50	6	Powerwave LGP21401	AT&T
118.50	118.50	1	Low Profile Platform	AT&T
118.50	118.50	2	Raycap DC6-48-60-18-8F	AT&T
118.50	118.50	1	RRH Collar Mount	AT&T
118.50	118.50	6	Kathrein 800-10965	AT&T
118.50	118.50	3	Ericsson 4449 B5/B12	AT&T
118.50	118.50	3	Ericsson RRUS 8843 B2	AT&T
118.50	118.50	1	SitePro Sitepro 1 P/N	AT&T
118.50	118.50	3	Pipe Mast	AT&T
109.00	109.00	3	RFS APXVSPP18-C-A20	T-Mobile Sprint
109.00	109.00	3	RFS APXVTM14-C-I20	T-Mobile Sprint
109.00	109.00	3	ALU 1900MHz RRH - RRU	T-Mobile Sprint
109.00	109.00	3	ALU 800 MHz RRH - RRU	T-Mobile Sprint
109.00	109.00	3	ALU 800MHz RRH Filter	T-Mobile Sprint
109.00	109.00	3	ALU TD-RRH8x20 - RRU	T-Mobile Sprint
109.00	109.00	4	RFS ACU-A20-N - RET	T-Mobile Sprint
109.00	109.00	3	T-Arms w/ Working	T-Mobile Sprint
99.50	99.50	1	Platform w/ Hand Rail	T-Mobile
99.50	99.50	6	RR65-18-00DPL2	T-Mobile
99.50	99.50	3	RFS	T-Mobile
99.50	99.50	3	Commscope	T-Mobile
99.50	99.50	3	RFS ATMAA1412D-1A2 -	T-Mobile
99.50	99.50	3	Kathrein 782 11054 - Bias	T-Mobile
85.00	85.00	3	Commscope	Dish Wireless
85.00	85.00	3	Fujitsu TA08025-B605	Dish Wireless
85.00	85.00	3	Fujitsu TA08025-B604	Dish Wireless
85.00	85.00	1	Raycap	Dish Wireless
85.00	85.00	1	Platform w/HRK	Dish Wireless
50.50	50.50	1	Decibel 260B GPS	T-Mobile Sprint



50.50	50.50	1	3 ft Standoff	T-Mobile Sprint

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	148.00	Inside	7/8" Coax	Town of Newtown
0.00	148.00	Outside	Safety Cable	
0.00	148.00	Outside	Step bolts (ladder)	
0.00	147.00	Inside	7/8" Coax	Town of Newtown
0.00	137.50	Inside	1 5/8" Coax	Verizon
0.00	137.50	Inside	1 5/8" Hybrid	Verizon
0.00	137.50	Inside	1/2" Coax	Verizon
0.00	118.50	Inside	1 5/8" Coax	AT&T
0.00	118.50	Inside	1/2" Fiber	AT&T
0.00	118.50	Inside	3/4" DC	AT&T
0.00	109.00	Inside	1 1/4" Coax	T-Mobile Sprint
0.00	99.50	Inside	1 1/4" Coax	T-Mobile
0.00	85.00	Inside	1.75" Hybrid	Dish Wireless
0.00	50.50	Outside	1/2" Coax	T-Mobile Sprint

Anchor Bolts

Qty	Specifications	Grade (ksi)	Arrangement
16	2.25" 18J	75.0	Cluster

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.7500	61.0	55.0	Clipped

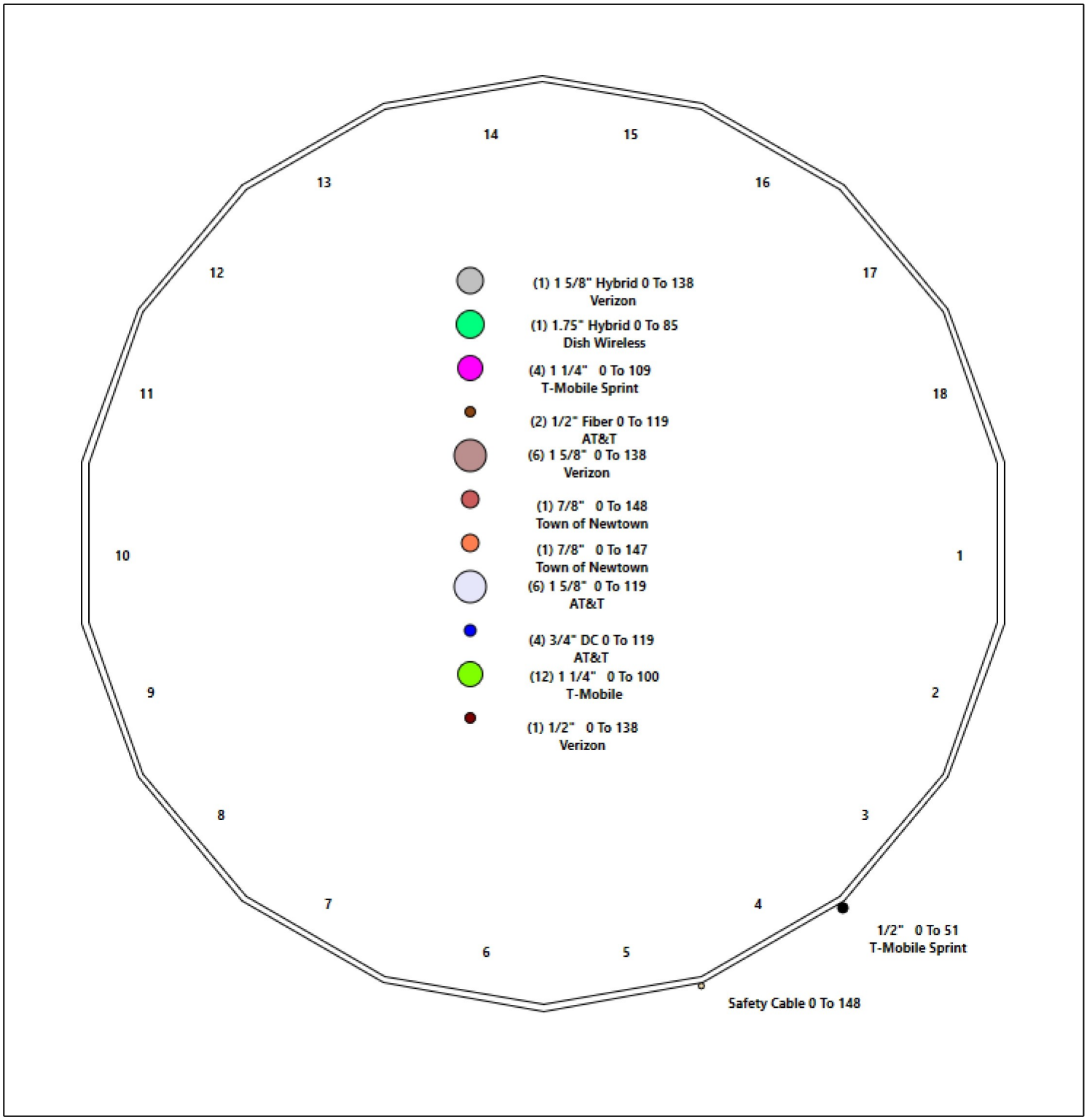
Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 117 mph Wind	3535.7	35.4	46.6
0.9D + 1.0W 117 mph Wind	3503.0	35.4	34.9
1.2D + 1.0Di + 1.0Wi 50 mph Wind	983.7	10.0	58.5
1.2D + 1.0Ev + 1.0Eh	86.7	0.7	48.4
0.9D + 1.0Ev + 1.0Eh	86.1	0.7	36.7
1.0D + 1.0W 60 mph Wind	827.4	8.3	38.9

Structure: CT13057-A - Coax Line Placement

Type: Monopole
Site Name: Newtown
Height: 148.00 (ft)

10/6/2023



Shaft Properties

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (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	45.000	0.3750	65		0.00	9,173
2	18	45.000	0.3125	65	Slip	72.00	6,506
3	18	41.000	0.2500	65	Slip	60.00	3,922
4	18	28.000	0.1875	65	Flange	0.00	1,602
					Total Shaft Weight:		**21,203**

	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	55.43	0.00	65.53	25093.77	24.65	147.81	45.99	45.00	54.29	14270.2	20.21	122.6	0.209831
2	47.87	39.00	47.17	13480.16	25.60	153.19	38.43	84.00	37.81	6939.69	20.27	122.9	0.209831
3	39.98	79.00	31.52	6286.17	26.79	159.91	31.38	120.00	24.70	3022.90	20.72	125.5	0.209831
4	31.38	120.0	18.56	2280.86	28.10	167.33	25.50	148.00	15.06	1219.41	22.57	136.0	0.209831

Load Summary

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (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	148.00	DB-TDD6492A-A	1	21.00	2.41	1.00	61.89	4.266	1.00	0.00	5.00
2	148.00	Pipe Mount	1	40.00	2.63	1.00	93.45	6.604	1.00	0.00	2.00
3	148.00	6' Lightning rod	1	6.50	0.38	1.00	30.67	1.104	1.00	0.00	3.00
4	147.00	Standoff	1	40.00	2.63	1.00	93.41	6.601	1.00	0.00	0.00
5	147.00	Trombone	1	6.00	1.00	1.00	11.79	2.142	1.00	0.00	0.00
6	136.50	Swedcom SC-E 6014 Rev2	3	15.00	3.33	0.98	78.95	3.863	0.98	0.00	1.00
7	136.50	JMA Wireless MX06FRO660-03	6	60.00	9.87	0.87	225.25	10.753	0.88	0.00	1.00
8	136.50	Samsung MT6407-77A	3	87.10	4.70	0.70	161.19	5.296	0.71	0.00	1.00
9	136.50	Commscope TD-850B-LTE78-43	3	52.91	1.96	0.71	84.64	2.326	0.73	0.00	1.00
10	136.50	Samsung RF4439d-25A RRU	3	74.70	1.87	0.71	108.07	2.229	0.73	0.00	1.00
11	136.50	Samsung RF4440d-13A RRU	3	70.33	1.87	0.80	102.79	2.229	0.82	0.00	1.00
12	136.50	Commscope FE-16148-OVP-B12	1	15.21	1.87	1.00	47.36	2.229	1.00	0.00	1.00
13	136.50	Low Profile Platform w/ Rails	1	2290.25	24.70	1.00	3874.03	36.087	1.00	0.00	0.00
14	136.50	Kaelus KA-6030	4	17.60	0.96	1.00	33.02	1.222	1.00	0.00	1.00
15	136.50	Mount Pipes	12	30.00	1.31	1.00	50.75	1.914	1.00	0.00	0.00
16	118.50	Powerwave 7770	3	35.00	5.50	0.73	116.13	6.178	0.84	0.00	0.00
17	118.50	Powerwave LGP21401 TMA	6	14.10	1.29	0.70	30.38	1.834	0.70	0.00	0.00
18	118.50	Low Profile Platform	1	1500.00	22.00	1.00	2352.28	33.500	1.00	0.00	0.00
19	118.50	Raycap DC6-48-60-18-8F (24x11"	2	32.80	0.92	0.75	74.32	1.205	1.00	0.00	0.00
20	118.50	RRH Collar Mount	1	250.00	5.00	0.75	647.73	10.682	0.75	0.00	0.00
21	118.50	Kathrein 800-10965	6	108.60	13.81	0.71	292.75	14.824	1.00	0.00	0.00
22	118.50	Ericsson 4449 B5/B12 RRU	3	71.00	1.97	0.67	105.76	2.326	1.00	0.00	0.00
23	118.50	Ericsson RRUS 8843 B2 B66A RRU	3	70.00	1.64	0.67	99.94	1.976	1.00	0.00	0.00
24	118.50	SitePro Sitepro 1 P/N HRK12	1	406.61	9.75	1.00	720.81	15.955	1.00	0.00	0.00
25	118.50	Pipe Mast	3	60.00	1.55	0.75	98.18	2.818	1.00	0.00	0.00
26	109.00	RFS APXVSPP18-C-A20	3	57.00	8.02	0.83	168.61	9.824	0.83	0.00	0.00
27	109.00	RFS APXVTM14-C-I20	3	56.00	6.34	0.85	152.27	7.043	0.85	0.00	0.00
28	109.00	ALU 1900MHz RRH - RRU	3	44.00	3.80	0.67	114.49	4.698	0.67	0.00	0.00
29	109.00	ALU 800 MHz RRH - RRU	3	53.00	2.49	0.67	100.76	3.228	0.67	0.00	0.00
30	109.00	ALU 800MHz RRH Filter	3	8.80	0.78	0.67	20.19	1.198	0.67	0.00	0.00
31	109.00	ALU TD-RRH8x20 - RRU	3	70.00	4.05	0.67	136.17	4.560	0.67	0.00	0.00
32	109.00	RFS ACU-A20-N - RET	4	1.00	0.14	0.50	3.77	0.332	0.50	0.00	0.00
33	109.00	T-Arms w/ Working Platforms	3	350.00	12.00	0.75	507.77	18.762	0.75	0.00	0.00
34	99.50	Platform w/ Hand Rail (round)	1	1600.00	32.00	1.00	2943.60	49.867	1.00	0.00	0.00
35	99.50	RR65-18-00DPL2	6	13.50	4.36	0.85	70.05	4.966	0.85	0.00	0.00
36	99.50	RFS APXV18-206513-C-A20	3	26.40	5.17	0.84	86.09	6.689	0.84	0.00	0.00
37	99.50	Commscope LNX-6515DS-A1M	3	49.80	11.47	0.80	196.68	13.560	0.80	0.00	0.00
38	99.50	RFS ATMAA1412D-1A2 - TMA	3	13.00	1.17	0.70	30.01	1.671	0.74	0.00	0.00
39	99.50	Kathrein 782 11054 - Bias Ts	3	2.60	0.28	0.70	6.78	0.537	0.71	0.00	0.00
40	85.00	Commscope FFVV-65B-R2	3	70.80	12.27	0.73	231.37	12.961	0.74	0.00	0.00
41	85.00	Fujitsu TA08025-B605 RRU	3	74.95	1.96	0.80	119.37	2.595	0.81	0.00	0.00
42	85.00	Fujitsu TA08025-B604 RRU	3	63.93	1.96	0.76	101.82	2.595	0.77	0.00	0.00
43	85.00	Raycap RDIDC-9181-PF-48	1	21.85	2.01	1.00	56.92	2.303	1.00	0.00	0.00
44	85.00	Platform w/HRK Commscope:	1	1727.00	22.92	1.00	2676.19	39.750	1.00	0.00	0.00
45	50.50	Decibel 260B GPS	1	1.00	0.09	1.00	4.24	0.196	1.00	0.00	0.00
46	50.50	3 ft Standoff	1	40.00	2.63	1.00	88.00	6.199	1.00	0.00	0.00
		Totals:	**130**	**14,071.58**			**27,101.82**				

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)

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	148.00	(1) 7/8" Coax	0.00	Inside
0.00	148.00	(1) Safety Cable	0.38	Outside
0.00	148.00	(1) Step bolts (ladder)	0.63	Outside
0.00	147.00	(1) 7/8" Coax	0.00	Inside
0.00	137.50	(6) 1 5/8" Coax	0.00	Inside
0.00	137.50	(1) 1 5/8" Hybrid	0.00	Inside
0.00	137.50	(1) 1/2" Coax	0.00	Inside
0.00	118.50	(6) 1 5/8" Coax	0.00	Inside
0.00	118.50	(2) 1/2" Fiber	0.00	Inside
0.00	118.50	(4) 3/4" DC	0.00	Inside
0.00	109.00	(4) 1 1/4" Coax	0.00	Inside
0.00	99.50	(12) 1 1/4" Coax	0.00	Inside
0.00	85.00	(1) 1.75" Hybrid	0.00	Inside
0.00	50.50	(1) 1/2" Coax	0.65	Outside

Shaft Section Properties

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 8	

Increment Length: **5 (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		0.3750	55.430	65.527	25093.8	24.65	147.81	72.4	891.7	0.0
5.00		0.3750	54.381	64.278	23686.3	24.16	145.02	73.0	857.9	1104.2
10.00		0.3750	53.332	63.029	22332.5	23.67	142.22	73.6	824.8	1083.0
15.00		0.3750	52.283	61.781	21031.3	23.17	139.42	74.1	792.3	1061.8
20.00		0.3750	51.233	60.532	19781.7	22.68	136.62	74.7	760.5	1040.5
25.00		0.3750	50.184	59.283	18582.5	22.19	133.82	75.3	729.3	1019.3
30.00		0.3750	49.135	58.035	17432.9	21.69	131.03	75.9	698.8	998.0
35.00		0.3750	48.086	56.786	16331.6	21.20	128.23	76.5	668.9	976.8
39.00	Bot - Section 2	0.3750	47.247	55.787	15484.8	20.80	125.99	76.9	645.5	766.1
40.00		0.3750	47.037	55.537	15277.7	20.71	125.43	77.0	639.7	349.6
45.00	Top - Section 1	0.3125	46.613	45.922	12437.7	24.89	149.16	0.0	0.0	1724.4
50.00		0.3125	45.563	44.882	11611.2	24.30	145.80	72.8	501.9	772.5
50.50		0.3125	45.459	44.778	11530.6	24.24	145.47	72.9	499.6	76.3
55.00		0.3125	44.514	43.841	10822.2	23.71	142.45	73.5	478.8	678.5
60.00		0.3125	43.465	42.800	10069.7	23.11	139.09	74.2	456.3	737.1
65.00		0.3125	42.416	41.760	9352.9	22.52	135.73	74.9	434.3	719.4
70.00		0.3125	41.367	40.719	8671.0	21.93	132.37	75.6	412.9	701.6
75.00		0.3125	40.318	39.679	8023.1	21.34	129.02	76.3	391.9	683.9
79.00	Bot - Section 3	0.3125	39.478	38.846	7528.6	20.86	126.33	76.9	375.6	534.4
80.00		0.3125	39.269	38.638	7408.3	20.75	125.66	77.0	371.6	238.8
84.00	Top - Section 2	0.2500	38.929	30.691	5801.2	26.05	155.72	0.0	0.0	942.5
85.00		0.2500	38.719	30.524	5707.3	25.90	154.88	70.9	290.3	104.2
90.00		0.2500	37.670	29.692	5252.9	25.16	150.68	71.8	274.7	512.3
95.00		0.2500	36.621	28.859	4823.4	24.42	146.48	72.7	259.4	498.1
99.50		0.2500	35.677	28.110	4457.4	23.75	142.71	73.5	246.1	436.2
100.00		0.2500	35.572	28.027	4417.9	23.68	142.29	73.6	244.6	47.8
105.00		0.2500	34.523	27.194	4035.8	22.94	138.09	74.4	230.3	469.8
109.00		0.2500	33.683	26.528	3746.5	22.35	134.73	75.1	219.1	365.6
110.00		0.2500	33.474	26.362	3676.4	22.20	133.89	75.3	216.3	90.0
115.00		0.2500	32.424	25.529	3339.0	21.46	129.70	76.2	202.8	441.4
118.50		0.2500	31.690	24.947	3115.5	20.94	126.76	76.8	193.6	300.6
120.00	Top - Section 3	0.2500	31.375	24.697	3022.9	20.72	125.50	77.0	189.8	126.7
120.00	Bot - Section 4	0.1875	31.375	18.560	2280.9	27.62	167.33	68.4	143.2	
125.00		0.1875	30.326	17.936	2058.3	27.11	161.74	69.5	133.7	310.5
130.00		0.1875	29.277	17.311	1850.8	26.12	156.14	70.7	124.5	299.8
135.00		0.1875	28.228	16.687	1657.7	25.14	150.55	71.8	115.7	289.2
136.50		0.1875	27.913	16.500	1602.5	24.84	148.87	72.2	113.1	84.7
140.00		0.1875	27.179	16.063	1478.5	24.15	144.95	73.0	107.1	193.9
145.00		0.1875	26.129	15.438	1312.7	23.16	139.36	74.2	98.9	268.0
147.00		0.1875	25.710	15.188	1250.0	22.77	137.12	74.6	95.8	104.2
148.00		0.1875	25.500	15.064	1219.4	22.57	136.00	74.9	94.2	51.5
										21202.9

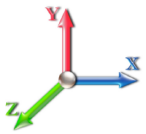
Wind Loading - Shaft

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 9	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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	28.298	31.13	505.95	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	28.298	31.13	496.37	0.730	0.000	5.00	23.230	16.96	527.9	0.0	1325.1
10.00		1.00	0.85	28.298	31.13	486.80	0.730	0.000	5.00	22.786	16.63	517.8	0.0	1299.6
15.00		1.00	0.85	28.298	31.13	477.22	0.730	0.000	5.00	22.342	16.31	507.7	0.0	1274.1
20.00		1.00	0.90	30.025	33.03	481.71	0.730	0.000	5.00	21.899	15.99	528.0	0.0	1248.6
25.00		1.00	0.95	31.469	34.62	483.06	0.730	0.000	5.00	21.455	15.66	542.2	0.0	1223.1
30.00		1.00	0.98	32.701	35.97	482.12	0.730	0.000	5.00	21.011	15.34	551.7	0.0	1197.6
35.00		1.00	1.01	33.779	37.16	479.55	0.730	0.000	5.00	20.567	15.01	557.9	0.0	1172.1
39.00	Bot - Section 2	1.00	1.04	34.558	38.01	476.57	0.730	0.000	4.00	16.134	11.78	447.7	0.0	919.3
40.00		1.00	1.04	34.743	38.22	475.72	0.730	0.000	1.00	4.042	2.95	112.8	0.0	419.5
45.00	Top - Section 1	1.00	1.07	35.615	39.18	470.91	0.730	0.000	5.00	19.943	14.56	570.4	0.0	2069.3
50.00		1.00	1.09	36.414	40.05	471.77	0.730	0.000	5.00	19.500	14.23	570.2	0.0	927.0
50.50	Appurtenance(s)	1.00	1.10	36.490	40.14	471.18	0.730	0.000	0.50	1.926	1.41	56.4	0.0	91.5
55.00		1.00	1.12	37.152	40.87	465.56	0.730	0.000	4.50	17.130	12.51	511.0	0.0	814.2
60.00		1.00	1.14	37.838	41.62	458.77	0.730	0.000	5.00	18.612	13.59	565.5	0.0	884.5
65.00		1.00	1.16	38.481	42.33	451.48	0.730	0.000	5.00	18.168	13.26	561.4	0.0	863.2
70.00		1.00	1.17	39.087	43.00	443.76	0.730	0.000	5.00	17.724	12.94	556.3	0.0	842.0
75.00		1.00	1.19	39.658	43.62	435.66	0.730	0.000	5.00	17.280	12.61	550.3	0.0	820.7
79.00	Bot - Section 3	1.00	1.20	40.095	44.10	428.93	0.730	0.000	4.00	13.504	9.86	434.8	0.0	641.3
80.00		1.00	1.21	40.201	44.22	427.22	0.730	0.000	1.00	3.374	2.46	108.9	0.0	286.6
84.00	Top - Section 2	1.00	1.22	40.616	44.68	420.24	0.730	0.000	4.00	13.319	9.72	434.4	0.0	1131.0
85.00	Appurtenance(s)	1.00	1.22	40.717	44.79	423.94	0.730	0.000	1.00	3.285	2.40	107.4	0.0	125.0
90.00		1.00	1.24	41.210	45.33	414.94	0.730	0.000	5.00	16.160	11.80	534.8	0.0	614.7
95.00		1.00	1.25	41.682	45.85	405.69	0.730	0.000	5.00	15.716	11.47	526.0	0.0	597.7
99.50	Appurtenance(s)	1.00	1.26	42.090	46.30	397.16	0.730	0.000	4.50	13.765	10.05	465.2	0.0	523.4
100.00		1.00	1.27	42.135	46.35	396.20	0.730	0.000	0.50	1.507	1.10	51.0	0.0	57.3
105.00		1.00	1.28	42.570	46.83	386.49	0.730	0.000	5.00	14.828	10.82	506.9	0.0	563.7
109.00	Appurtenance(s)	1.00	1.29	42.906	47.20	378.58	0.730	0.000	4.00	11.543	8.43	397.7	0.0	438.7
110.00		1.00	1.29	42.989	47.29	376.59	0.730	0.000	1.00	2.841	2.07	98.1	0.0	108.0
115.00		1.00	1.30	43.393	47.73	366.49	0.730	0.000	5.00	13.941	10.18	485.7	0.0	529.7
118.50	Appurtenance(s)	1.00	1.31	43.667	48.03	359.32	0.730	0.000	3.50	9.494	6.93	332.9	0.0	360.7
120.00	Top - Section 3	1.00	1.32	43.783	48.16	356.23	0.730	0.000	1.50	4.002	2.92	140.7	0.0	152.0
125.00		1.00	1.33	44.161	48.58	345.80	0.730	0.000	5.00	13.053	9.53	462.9	0.0	372.6
130.00		1.00	1.34	44.527	48.98	335.22	0.730	0.000	5.00	12.609	9.20	450.8	0.0	359.8
135.00		1.00	1.35	44.882	49.37	324.49	0.730	0.000	5.00	12.165	8.88	438.4	0.0	347.1
136.50	Appurtenance(s)	1.00	1.35	44.987	49.49	321.25	0.730	0.000	1.50	3.563	2.60	128.7	0.0	101.6
140.00		1.00	1.36	45.227	49.75	313.63	0.730	0.000	3.50	8.158	5.96	296.3	0.0	232.7
145.00		1.00	1.37	45.563	50.12	302.64	0.730	0.000	5.00	11.277	8.23	412.6	0.0	321.6
147.00	Appurtenance(s)	1.00	1.37	45.694	50.26	298.21	0.730	0.000	2.00	4.387	3.20	161.0	0.0	125.1
148.00	Appurtenance(s)	1.00	1.37	45.760	50.34	295.98	0.730	0.000	1.00	2.167	1.58	79.6	0.0	61.8
								Totals:	**148.00**			**15,289.9**		**25,443.5**

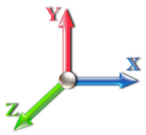
Discrete Appurtenance Forces

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 10	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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	148.00	Pipe Mount	1	45.889	50.478	1.00	1.00	2.63	48.00	0.000	2.000	132.76	0.00	265.51
2	148.00	DB-TDD6492A-A	1	46.081	50.689	1.00	1.00	2.41	25.20	0.000	5.000	122.16	0.00	610.80
3	148.00	6' Lightning rod	1	45.953	50.549	1.00	1.00	0.38	7.80	0.000	3.000	19.21	0.00	57.63
4	147.00	Trombone	1	45.694	50.264	1.00	1.00	1.00	7.20	0.000	0.000	50.26	0.00	0.00
5	147.00	Standoff	1	45.694	50.264	1.00	1.00	2.63	48.00	0.000	0.000	132.19	0.00	0.00
6	136.50	Samsung RF4439d-25A	3	45.056	49.562	0.53	0.75	2.99	268.92	0.000	1.000	148.06	0.00	148.06
7	136.50	Swedcom SC-E 6014	3	45.056	49.562	0.73	0.75	7.34	54.00	0.000	1.000	363.92	0.00	363.92
8	136.50	JMA Wireless	6	45.056	49.562	0.65	0.75	38.64	432.00	0.000	1.000	1915.12	0.00	1915.12
9	136.50	Samsung MT6407-77A	3	45.056	49.562	0.52	0.75	7.40	313.56	0.000	1.000	366.88	0.00	366.88
10	136.50	Commscope	3	45.056	49.562	0.53	0.75	3.13	190.48	0.000	1.000	155.18	0.00	155.18
11	136.50	Commscope	1	45.056	49.562	0.75	0.75	1.40	18.25	0.000	1.000	69.51	0.00	69.51
12	136.50	Low Profile Platform w/	1	44.987	49.486	1.00	1.00	24.70	2748.30	0.000	0.000	1222.30	0.00	0.00
13	136.50	Kaelus KA-6030	4	45.056	49.562	0.75	0.75	2.88	84.48	0.000	1.000	142.74	0.00	142.74
14	136.50	Mount Pipes	12	44.987	49.486	0.75	0.75	11.79	432.00	0.000	0.000	583.44	0.00	0.00
15	136.50	Samsung RF4440d-13A	3	45.056	49.562	0.60	0.75	3.37	253.19	0.000	1.000	166.83	0.00	166.83
16	118.50	Kathrein 800-10965	6	43.667	48.034	0.53	0.75	44.12	781.92	0.000	0.000	2119.41	0.00	0.00
17	118.50	Low Profile Platform	1	43.667	48.034	1.00	1.00	22.00	1800.00	0.000	0.000	1056.75	0.00	0.00
18	118.50	Raycap DC6-48-60-18-8F	2	43.667	48.034	0.56	0.75	1.04	78.72	0.000	0.000	49.72	0.00	0.00
19	118.50	RRH Collar Mount	1	43.667	48.034	0.56	0.75	2.81	300.00	0.000	0.000	135.10	0.00	0.00
20	118.50	SitePro Sitepro 1 P/N	1	43.667	48.034	1.00	1.00	9.75	487.93	0.000	0.000	468.33	0.00	0.00
21	118.50	Ericsson 4449 B5/B12	3	43.667	48.034	0.50	0.75	2.97	255.60	0.000	0.000	142.65	0.00	0.00
22	118.50	Ericsson RRUS 8843 B2	3	43.667	48.034	0.50	0.75	2.47	252.00	0.000	0.000	118.75	0.00	0.00
23	118.50	Pipe Mast	3	43.667	48.034	0.56	0.75	2.62	216.00	0.000	0.000	125.64	0.00	0.00
24	118.50	Powerwave LGP21401	6	43.667	48.034	0.52	0.75	4.06	101.52	0.000	0.000	195.19	0.00	0.00
25	118.50	Powerwave 7770	3	43.667	48.034	0.55	0.75	9.03	126.00	0.000	0.000	433.93	0.00	0.00
26	109.00	T-Arms w/ Working	3	42.906	47.197	0.56	0.75	20.25	1260.00	0.000	0.000	955.73	0.00	0.00
27	109.00	RFS ACU-A20-N - RET	4	42.906	47.197	0.40	0.80	0.22	4.80	0.000	0.000	10.57	0.00	0.00
28	109.00	ALU TD-RRH8x20 - RRU	3	42.906	47.197	0.54	0.80	6.51	252.00	0.000	0.000	307.36	0.00	0.00
29	109.00	ALU 800MHz RRH Filter	3	42.906	47.197	0.54	0.80	1.25	31.68	0.000	0.000	59.20	0.00	0.00
30	109.00	ALU 800 MHz RRH - RRU	3	42.906	47.197	0.54	0.80	4.00	190.80	0.000	0.000	188.97	0.00	0.00
31	109.00	ALU 1900MHz RRH - RRU	3	42.906	47.197	0.54	0.80	6.11	158.40	0.000	0.000	288.39	0.00	0.00
32	109.00	RFS APXVTM14-C-I20	3	42.906	47.197	0.68	0.80	12.93	201.60	0.000	0.000	610.42	0.00	0.00
33	109.00	RFS APXVSPP18-C-A20	3	42.906	47.197	0.66	0.80	15.98	205.20	0.000	0.000	754.00	0.00	0.00
34	99.50	RR65-18-00DPL2	6	42.090	46.299	0.68	0.80	17.79	97.20	0.000	0.000	823.61	0.00	0.00
35	99.50	RFS	3	42.090	46.299	0.67	0.80	10.42	95.04	0.000	0.000	482.56	0.00	0.00
36	99.50	Platform w/ Hand Rail	1	42.090	46.299	1.00	1.00	32.00	1920.00	0.000	0.000	1481.57	0.00	0.00
37	99.50	RFS ATMAA1412D-1A2 -	3	42.090	46.299	0.56	0.80	1.97	46.80	0.000	0.000	91.01	0.00	0.00
38	99.50	Commscope	3	42.090	46.299	0.64	0.80	22.02	179.28	0.000	0.000	1019.62	0.00	0.00
39	99.50	Kathrein 782 11054 - Bias	3	42.090	46.299	0.56	0.80	0.47	9.36	0.000	0.000	21.78	0.00	0.00
40	85.00	Platform w/HRK	1	40.717	44.789	1.00	1.00	22.92	2072.40	0.000	0.000	1026.56	0.00	0.00
41	85.00	Raycap	1	40.717	44.789	0.80	0.80	1.61	26.22	0.000	0.000	72.02	0.00	0.00
42	85.00	Fujitsu TA08025-B604	3	40.717	44.789	0.61	0.80	3.58	230.15	0.000	0.000	160.12	0.00	0.00
43	85.00	Fujitsu TA08025-B605	3	40.717	44.789	0.64	0.80	3.76	269.82	0.000	0.000	168.55	0.00	0.00
44	85.00	Commscope	3	40.717	44.789	0.58	0.80	21.50	254.88	0.000	0.000	962.83	0.00	0.00
45	50.50	3 ft Standoff	1	36.490	40.139	1.00	1.00	2.63	48.00	0.000	0.000	105.57	0.00	0.00
46	50.50	Decibel 260B GPS	1	36.490	40.139	1.00	1.00	0.09	1.20	0.000	0.000	3.61	0.00	0.00
							Totals:		**16,885.90**			**20,030.07**		

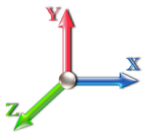
Total Applied Force Summary

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 11

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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
5.00		527.86	1508.45	0.00	0.00
10.00		517.78	1482.96	0.00	0.00
15.00		507.69	1457.46	0.00	0.00
20.00		527.98	1431.97	0.00	0.00
25.00		542.16	1406.47	0.00	0.00
30.00		551.72	1380.98	0.00	0.00
35.00		557.87	1355.49	0.00	0.00
39.00		447.71	1066.03	0.00	0.00
40.00		112.76	456.15	0.00	0.00
45.00		570.36	2252.70	0.00	0.00
50.00		570.17	1110.32	0.00	0.00
50.50	(2) attachments	165.60	159.06	0.00	0.00
55.00		511.04	978.34	0.00	0.00
60.00		565.51	1066.87	0.00	0.00
65.00		561.40	1045.62	0.00	0.00
70.00		556.29	1024.37	0.00	0.00
75.00		550.30	1003.13	0.00	0.00
79.00		434.79	787.21	0.00	0.00
80.00		108.92	323.06	0.00	0.00
84.00		434.38	1276.93	0.00	0.00
85.00	(11) attachments	2497.50	3014.93	0.00	0.00
90.00		534.76	789.31	0.00	0.00
95.00		526.03	772.31	0.00	0.00
99.50	(19) attachments	4385.37	3028.23	0.00	0.00
100.00		51.00	70.01	0.00	0.00
105.00		506.88	690.80	0.00	0.00
109.00	(25) attachments	3572.35	2844.88	0.00	0.00
110.00		98.08	130.23	0.00	0.00
115.00		485.75	640.97	0.00	0.00
118.50	(29) attachments	5178.38	4838.25	0.00	0.00
120.00		140.72	170.72	0.00	0.00
125.00		462.87	434.84	0.00	0.00
130.00		450.84	422.09	0.00	0.00
135.00		438.43	409.34	0.00	0.00
136.50	(39) attachments	5262.67	4915.49	0.00	3328.23
140.00		296.28	252.20	0.00	0.00
145.00		412.60	335.69	0.00	0.00
147.00	(2) attachments	343.41	185.91	0.00	0.00
148.00	(3) attachments	353.74	144.96	0.00	933.94
	Totals:	**35,319.96**	**46,664.74**	**0.00**	**4,262.17**

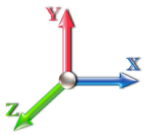
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 12	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	28.298	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	28.298	0.00	6.24
5.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.030	0.000	28.298	0.00	0.96
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	28.298	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	28.298	0.00	6.24
10.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.030	0.000	28.298	0.00	0.96
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	28.298	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	28.298	0.00	6.24
15.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.031	0.000	28.298	0.00	0.96
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	30.025	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	30.025	0.00	6.24
20.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.032	0.000	30.025	0.00	0.96
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	31.469	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	31.469	0.00	6.24
25.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.032	0.000	31.469	0.00	0.96
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	32.701	0.00	1.64
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	32.701	0.00	6.24
30.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.033	0.000	32.701	0.00	0.96
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	33.779	0.00	1.64
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	33.779	0.00	6.24
35.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.034	0.000	33.779	0.00	0.96
39.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.034	0.000	34.558	0.00	1.31
39.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.034	0.000	34.558	0.00	4.99
39.00	1/2" Coax	Yes	4.00	0.000	0.65	0.22	0.00	0.034	0.000	34.558	0.00	0.77
40.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.035	0.000	34.743	0.00	0.33
40.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.035	0.000	34.743	0.00	1.25
40.00	1/2" Coax	Yes	1.00	0.000	0.65	0.05	0.00	0.035	0.000	34.743	0.00	0.19
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	35.615	0.00	1.64
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	35.615	0.00	6.24
45.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.035	0.000	35.615	0.00	0.96
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	36.414	0.00	1.64
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	36.414	0.00	6.24
50.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.035	0.000	36.414	0.00	0.96
50.50	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.036	0.000	36.490	0.00	0.16
50.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.036	0.000	36.490	0.00	0.62
50.50	1/2" Coax	Yes	0.50	0.000	0.65	0.03	0.00	0.036	0.000	36.490	0.00	0.10
55.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.022	0.000	37.152	0.00	1.47
55.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.022	0.000	37.152	0.00	5.62
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	37.838	0.00	1.64
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	37.838	0.00	6.24
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	38.481	0.00	1.64
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	38.481	0.00	6.24
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	39.087	0.00	1.64
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	39.087	0.00	6.24
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	39.658	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	39.658	0.00	6.24
79.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.025	0.000	40.095	0.00	1.31

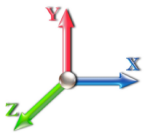
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 13	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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)
79.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.025	0.000	40.095	0.00	4.99
80.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.025	0.000	40.201	0.00	0.33
80.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.025	0.000	40.201	0.00	1.25
84.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.026	0.000	40.616	0.00	1.31
84.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.026	0.000	40.616	0.00	4.99
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.026	0.000	40.717	0.00	0.33
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.026	0.000	40.717	0.00	1.25
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	41.210	0.00	1.64
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	41.210	0.00	6.24
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	41.682	0.00	1.64
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	41.682	0.00	6.24
99.50	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.028	0.000	42.090	0.00	1.47
99.50	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.028	0.000	42.090	0.00	5.62
100.00	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.028	0.000	42.135	0.00	0.16
100.00	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.028	0.000	42.135	0.00	0.62
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	42.570	0.00	1.64
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	42.570	0.00	6.24
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	42.906	0.00	1.31
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	42.906	0.00	4.99
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.030	0.000	42.989	0.00	0.33
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.030	0.000	42.989	0.00	1.25
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	43.393	0.00	1.64
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	43.393	0.00	6.24
118.50	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.031	0.000	43.667	0.00	1.15
118.50	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.031	0.000	43.667	0.00	4.37
120.00	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.032	0.000	43.783	0.00	0.49
120.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.032	0.000	43.783	0.00	1.87
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	44.161	0.00	1.64
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	44.161	0.00	6.24
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	44.527	0.00	1.64
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	44.527	0.00	6.24
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	44.882	0.00	1.64
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	44.882	0.00	6.24
136.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.035	0.000	44.987	0.00	0.49
136.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.035	0.000	44.987	0.00	1.87
140.00	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.036	0.000	45.227	0.00	1.15
140.00	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.036	0.000	45.227	0.00	4.37
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	45.563	0.00	1.64
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	45.563	0.00	6.24
147.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.038	0.000	45.694	0.00	0.66
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038	0.000	45.694	0.00	2.50
148.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	45.760	0.00	0.33
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	45.760	0.00	1.25
									Totals:		**0.0**	**242.9**

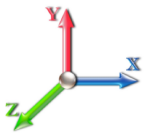
Calculated Forces

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 14	

Load Case: 1.2D + 1.0W 117 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 24

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	-46.60	-35.40	0.00	-3535.7	0.00	3535.71	4270.00	1150.00	5253.00	4842.06	0.00	0.000	0.000	0.742
5.00	-44.98	-35.02	0.00	-3358.7	0.00	3358.71	4222.20	1128.08	5054.70	4695.99	0.11	-0.195	0.000	0.727
10.00	-43.38	-34.65	0.00	-3183.5	0.00	3183.59	4173.09	1106.17	4860.22	4550.58	0.42	-0.392	0.000	0.711
15.00	-41.81	-34.27	0.00	-3010.3	0.00	3010.35	4122.67	1084.25	4669.55	4405.92	0.93	-0.589	0.000	0.694
20.00	-40.26	-33.87	0.00	-2838.9	0.00	2838.99	4070.95	1062.34	4482.70	4262.08	1.66	-0.787	0.000	0.677
25.00	-38.75	-33.44	0.00	-2669.6	0.00	2669.65	4017.93	1040.42	4299.66	4119.16	2.59	-0.985	0.000	0.659
30.00	-37.27	-32.99	0.00	-2502.4	0.00	2502.47	3963.61	1018.51	4120.43	3977.23	3.73	-1.183	0.000	0.640
35.00	-35.82	-32.51	0.00	-2337.5	0.00	2337.53	3907.97	996.59	3945.02	3836.39	5.07	-1.380	0.000	0.620
39.00	-34.71	-32.10	0.00	-2207.4	0.00	2207.49	3862.53	979.06	3807.44	3724.55	6.30	-1.539	0.000	0.603
40.00	-34.19	-32.04	0.00	-2175.3	0.00	2175.39	3851.04	974.68	3773.43	3696.72	6.62	-1.579	0.000	0.598
45.00	-31.85	-31.51	0.00	-2015.1	0.00	2015.19	2980.94	805.94	3095.97	2842.94	8.38	-1.774	0.000	0.721
50.00	-30.70	-30.97	0.00	-1857.6	0.00	1857.62	2941.52	787.67	2957.25	2741.34	10.35	-1.967	0.000	0.690
50.50	-30.49	-30.85	0.00	-1842.1	0.00	1842.13	2937.50	785.85	2943.55	2731.21	10.55	-1.990	0.000	0.686
55.00	-29.42	-30.41	0.00	-1703.3	0.00	1703.30	2900.79	769.41	2821.71	2640.28	12.52	-2.187	0.000	0.657
60.00	-28.27	-29.91	0.00	-1551.2	0.00	1551.24	2858.76	751.15	2689.35	2539.83	14.93	-2.401	0.000	0.622
65.00	-27.14	-29.40	0.00	-1401.6	0.00	1401.69	2815.42	732.89	2560.17	2440.07	17.56	-2.609	0.000	0.586
70.00	-26.05	-28.89	0.00	-1254.6	0.00	1254.69	2770.78	714.62	2434.17	2341.11	20.40	-2.811	0.000	0.547
75.00	-24.99	-28.36	0.00	-1110.2	0.00	1110.26	2724.84	696.36	2311.35	2243.01	23.45	-3.005	0.000	0.506
79.00	-24.18	-27.92	0.00	-996.82	0.00	996.82	2687.14	681.75	2215.38	2165.21	26.03	-3.155	0.000	0.471
80.00	-23.82	-27.83	0.00	-968.90	0.00	968.90	2677.59	678.10	2191.70	2145.86	26.70	-3.192	0.000	0.462
84.00	-22.53	-27.36	0.00	-857.56	0.00	857.56	1954.67	538.62	1728.53	1557.78	29.43	-3.332	0.000	0.565
85.00	-19.62	-24.73	0.00	-830.20	0.00	830.20	1948.85	535.70	1709.83	1544.66	30.13	-3.367	0.000	0.550
90.00	-18.78	-24.21	0.00	-706.55	0.00	706.55	1918.95	521.09	1617.84	1479.22	33.76	-3.558	0.000	0.490
95.00	-17.98	-23.69	0.00	-585.50	0.00	585.50	1887.76	506.48	1528.39	1414.10	37.58	-3.733	0.000	0.426
99.50	-15.23	-19.13	0.00	-478.91	0.00	478.91	1858.56	493.33	1450.06	1355.84	41.17	-3.874	0.000	0.363
100.00	-15.13	-19.09	0.00	-469.35	0.00	469.35	1855.26	491.87	1441.49	1349.39	41.58	-3.889	0.000	0.357
105.00	-14.44	-18.57	0.00	-373.88	0.00	373.88	1821.45	477.26	1357.13	1285.18	45.72	-4.025	0.000	0.300
109.00	-11.84	-14.82	0.00	-299.60	0.00	299.60	1793.47	465.57	1291.47	1234.22	49.14	-4.120	0.000	0.250
110.00	-11.71	-14.72	0.00	-284.79	0.00	284.79	1786.34	462.65	1275.31	1221.54	50.00	-4.142	0.000	0.241
115.00	-11.08	-14.20	0.00	-211.18	0.00	211.18	1749.93	448.04	1196.04	1158.57	54.39	-4.238	0.000	0.190
118.50	-6.64	-8.68	0.00	-161.47	0.00	161.47	1723.66	437.82	1142.06	1114.93	57.52	-4.294	0.000	0.149
120.00	-6.47	-8.54	0.00	-148.44	0.00	148.44	1712.21	433.43	1119.31	1096.35	58.87	-4.315	0.000	0.140
120.00	-6.47	-8.54	0.00	-148.44	0.00	148.44	1141.82	325.73	842.86	734.06	58.87	-4.315	0.000	0.209
125.00	-6.07	-8.05	0.00	-105.76	0.00	105.76	1122.14	314.77	787.10	696.99	63.42	-4.375	0.000	0.158
130.00	-5.67	-7.57	0.00	-65.52	0.00	65.52	1101.16	303.81	733.26	660.01	68.03	-4.434	0.000	0.105
135.00	-5.30	-7.10	0.00	-27.67	0.00	27.67	1078.87	292.85	681.32	623.18	72.69	-4.470	0.000	0.050
136.50	-0.81	-1.47	0.00	-13.69	0.00	13.69	1071.93	289.57	666.11	612.17	74.09	-4.476	0.000	0.023
140.00	-0.58	-1.16	0.00	-8.53	0.00	8.53	1055.28	281.90	631.29	586.59	77.37	-4.483	0.000	0.015
145.00	-0.28	-0.72	0.00	-2.74	0.00	2.74	1030.38	270.94	583.16	550.33	82.07	-4.488	0.000	0.005
147.00	-0.12	-0.36	0.00	-1.30	0.00	1.30	1020.06	266.56	564.45	535.94	83.95	-4.489	0.000	0.003
148.00	0.00	-0.35	0.00	-0.93	0.00	0.93	1014.82	264.37	555.21	528.78	84.89	-4.489	0.000	0.002

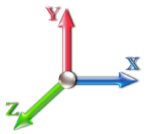
Wind Loading - Shaft

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 15	

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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	28.298	31.13	505.95	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	28.298	31.13	496.37	0.730	0.000	5.00	23.230	16.96	527.9	0.0	993.8
10.00		1.00	0.85	28.298	31.13	486.80	0.730	0.000	5.00	22.786	16.63	517.8	0.0	974.7
15.00		1.00	0.85	28.298	31.13	477.22	0.730	0.000	5.00	22.342	16.31	507.7	0.0	955.6
20.00		1.00	0.90	30.025	33.03	481.71	0.730	0.000	5.00	21.899	15.99	528.0	0.0	936.5
25.00		1.00	0.95	31.469	34.62	483.06	0.730	0.000	5.00	21.455	15.66	542.2	0.0	917.3
30.00		1.00	0.98	32.701	35.97	482.12	0.730	0.000	5.00	21.011	15.34	551.7	0.0	898.2
35.00		1.00	1.01	33.779	37.16	479.55	0.730	0.000	5.00	20.567	15.01	557.9	0.0	879.1
39.00	Bot - Section 2	1.00	1.04	34.558	38.01	476.57	0.730	0.000	4.00	16.134	11.78	447.7	0.0	689.5
40.00		1.00	1.04	34.743	38.22	475.72	0.730	0.000	1.00	4.042	2.95	112.8	0.0	314.6
45.00	Top - Section 1	1.00	1.07	35.615	39.18	470.91	0.730	0.000	5.00	19.943	14.56	570.4	0.0	1552.0
50.00		1.00	1.09	36.414	40.05	471.77	0.730	0.000	5.00	19.500	14.23	570.2	0.0	695.2
50.50	Appurtenance(s)	1.00	1.10	36.490	40.14	471.18	0.730	0.000	0.50	1.926	1.41	56.4	0.0	68.6
55.00		1.00	1.12	37.152	40.87	465.56	0.730	0.000	4.50	17.130	12.51	511.0	0.0	610.6
60.00		1.00	1.14	37.838	41.62	458.77	0.730	0.000	5.00	18.612	13.59	565.5	0.0	663.3
65.00		1.00	1.16	38.481	42.33	451.48	0.730	0.000	5.00	18.168	13.26	561.4	0.0	647.4
70.00		1.00	1.17	39.087	43.00	443.76	0.730	0.000	5.00	17.724	12.94	556.3	0.0	631.5
75.00		1.00	1.19	39.658	43.62	435.66	0.730	0.000	5.00	17.280	12.61	550.3	0.0	615.5
79.00	Bot - Section 3	1.00	1.20	40.095	44.10	428.93	0.730	0.000	4.00	13.504	9.86	434.8	0.0	481.0
80.00		1.00	1.21	40.201	44.22	427.22	0.730	0.000	1.00	3.374	2.46	108.9	0.0	214.9
84.00	Top - Section 2	1.00	1.22	40.616	44.68	420.24	0.730	0.000	4.00	13.319	9.72	434.4	0.0	848.3
85.00	Appurtenance(s)	1.00	1.22	40.717	44.79	423.94	0.730	0.000	1.00	3.285	2.40	107.4	0.0	93.7
90.00		1.00	1.24	41.210	45.33	414.94	0.730	0.000	5.00	16.160	11.80	534.8	0.0	461.0
95.00		1.00	1.25	41.682	45.85	405.69	0.730	0.000	5.00	15.716	11.47	526.0	0.0	448.3
99.50	Appurtenance(s)	1.00	1.26	42.090	46.30	397.16	0.730	0.000	4.50	13.765	10.05	465.2	0.0	392.6
100.00		1.00	1.27	42.135	46.35	396.20	0.730	0.000	0.50	1.507	1.10	51.0	0.0	43.0
105.00		1.00	1.28	42.570	46.83	386.49	0.730	0.000	5.00	14.828	10.82	506.9	0.0	422.8
109.00	Appurtenance(s)	1.00	1.29	42.906	47.20	378.58	0.730	0.000	4.00	11.543	8.43	397.7	0.0	329.1
110.00		1.00	1.29	42.989	47.29	376.59	0.730	0.000	1.00	2.841	2.07	98.1	0.0	81.0
115.00		1.00	1.30	43.393	47.73	366.49	0.730	0.000	5.00	13.941	10.18	485.7	0.0	397.3
118.50	Appurtenance(s)	1.00	1.31	43.667	48.03	359.32	0.730	0.000	3.50	9.494	6.93	332.9	0.0	270.5
120.00	Top - Section 3	1.00	1.32	43.783	48.16	356.23	0.730	0.000	1.50	4.002	2.92	140.7	0.0	114.0
125.00		1.00	1.33	44.161	48.58	345.80	0.730	0.000	5.00	13.053	9.53	462.9	0.0	279.4
130.00		1.00	1.34	44.527	48.98	335.22	0.730	0.000	5.00	12.609	9.20	450.8	0.0	269.9
135.00		1.00	1.35	44.882	49.37	324.49	0.730	0.000	5.00	12.165	8.88	438.4	0.0	260.3
136.50	Appurtenance(s)	1.00	1.35	44.987	49.49	321.25	0.730	0.000	1.50	3.563	2.60	128.7	0.0	76.2
140.00		1.00	1.36	45.227	49.75	313.63	0.730	0.000	3.50	8.158	5.96	296.3	0.0	174.5
145.00		1.00	1.37	45.563	50.12	302.64	0.730	0.000	5.00	11.277	8.23	412.6	0.0	241.2
147.00	Appurtenance(s)	1.00	1.37	45.694	50.26	298.21	0.730	0.000	2.00	4.387	3.20	161.0	0.0	93.8
148.00	Appurtenance(s)	1.00	1.37	45.760	50.34	295.98	0.730	0.000	1.00	2.167	1.58	79.6	0.0	46.3
								Totals:	**148.00**			**15,289.9**		**19,082.6**

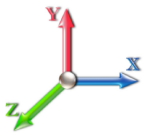
Discrete Appurtenance Forces

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 16	

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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	148.00	Pipe Mount	1	45.889	50.478	1.00	1.00	2.63	36.00	0.000	2.000	132.76	0.00	265.51
2	148.00	DB-TDD6492A-A	1	46.081	50.689	1.00	1.00	2.41	18.90	0.000	5.000	122.16	0.00	610.80
3	148.00	6' Lightning rod	1	45.953	50.549	1.00	1.00	0.38	5.85	0.000	3.000	19.21	0.00	57.63
4	147.00	Trombone	1	45.694	50.264	1.00	1.00	1.00	5.40	0.000	0.000	50.26	0.00	0.00
5	147.00	Standoff	1	45.694	50.264	1.00	1.00	2.63	36.00	0.000	0.000	132.19	0.00	0.00
6	136.50	Samsung RF4439d-25A	3	45.056	49.562	0.53	0.75	2.99	201.69	0.000	1.000	148.06	0.00	148.06
7	136.50	Swedcom SC-E 6014	3	45.056	49.562	0.73	0.75	7.34	40.50	0.000	1.000	363.92	0.00	363.92
8	136.50	JMA Wireless	6	45.056	49.562	0.65	0.75	38.64	324.00	0.000	1.000	1915.12	0.00	1915.12
9	136.50	Samsung MT6407-77A	3	45.056	49.562	0.52	0.75	7.40	235.17	0.000	1.000	366.88	0.00	366.88
10	136.50	Commscope	3	45.056	49.562	0.53	0.75	3.13	142.86	0.000	1.000	155.18	0.00	155.18
11	136.50	Commscope	1	45.056	49.562	0.75	0.75	1.40	13.69	0.000	1.000	69.51	0.00	69.51
12	136.50	Low Profile Platform w/	1	44.987	49.486	1.00	1.00	24.70	2061.22	0.000	0.000	1222.30	0.00	0.00
13	136.50	Kaelus KA-6030	4	45.056	49.562	0.75	0.75	2.88	63.36	0.000	1.000	142.74	0.00	142.74
14	136.50	Mount Pipes	12	44.987	49.486	0.75	0.75	11.79	324.00	0.000	0.000	583.44	0.00	0.00
15	136.50	Samsung RF4440d-13A	3	45.056	49.562	0.60	0.75	3.37	189.89	0.000	1.000	166.83	0.00	166.83
16	118.50	Kathrein 800-10965	6	43.667	48.034	0.53	0.75	44.12	586.44	0.000	0.000	2119.41	0.00	0.00
17	118.50	Low Profile Platform	1	43.667	48.034	1.00	1.00	22.00	1350.00	0.000	0.000	1056.75	0.00	0.00
18	118.50	Raycap DC6-48-60-18-8F	2	43.667	48.034	0.56	0.75	1.04	59.04	0.000	0.000	49.72	0.00	0.00
19	118.50	RRH Collar Mount	1	43.667	48.034	0.56	0.75	2.81	225.00	0.000	0.000	135.10	0.00	0.00
20	118.50	SitePro Sitepro 1 P/N	1	43.667	48.034	1.00	1.00	9.75	365.95	0.000	0.000	468.33	0.00	0.00
21	118.50	Ericsson 4449 B5/B12	3	43.667	48.034	0.50	0.75	2.97	191.70	0.000	0.000	142.65	0.00	0.00
22	118.50	Ericsson RRUS 8843 B2	3	43.667	48.034	0.50	0.75	2.47	189.00	0.000	0.000	118.75	0.00	0.00
23	118.50	Pipe Mast	3	43.667	48.034	0.56	0.75	2.62	162.00	0.000	0.000	125.64	0.00	0.00
24	118.50	Powerwave LGP21401	6	43.667	48.034	0.52	0.75	4.06	76.14	0.000	0.000	195.19	0.00	0.00
25	118.50	Powerwave 7770	3	43.667	48.034	0.55	0.75	9.03	94.50	0.000	0.000	433.93	0.00	0.00
26	109.00	T-Arms w/ Working	3	42.906	47.197	0.56	0.75	20.25	945.00	0.000	0.000	955.73	0.00	0.00
27	109.00	RFS ACU-A20-N - RET	4	42.906	47.197	0.40	0.80	0.22	3.60	0.000	0.000	10.57	0.00	0.00
28	109.00	ALU TD-RRH8x20 - RRU	3	42.906	47.197	0.54	0.80	6.51	189.00	0.000	0.000	307.36	0.00	0.00
29	109.00	ALU 800MHz RRH Filter	3	42.906	47.197	0.54	0.80	1.25	23.76	0.000	0.000	59.20	0.00	0.00
30	109.00	ALU 800 MHz RRH - RRU	3	42.906	47.197	0.54	0.80	4.00	143.10	0.000	0.000	188.97	0.00	0.00
31	109.00	ALU 1900MHz RRH - RRU	3	42.906	47.197	0.54	0.80	6.11	118.80	0.000	0.000	288.39	0.00	0.00
32	109.00	RFS APXVTM14-C-I20	3	42.906	47.197	0.68	0.80	12.93	151.20	0.000	0.000	610.42	0.00	0.00
33	109.00	RFS APXVSPP18-C-A20	3	42.906	47.197	0.66	0.80	15.98	153.90	0.000	0.000	754.00	0.00	0.00
34	99.50	RR65-18-00DPL2	6	42.090	46.299	0.68	0.80	17.79	72.90	0.000	0.000	823.61	0.00	0.00
35	99.50	RFS	3	42.090	46.299	0.67	0.80	10.42	71.28	0.000	0.000	482.56	0.00	0.00
36	99.50	Platform w/ Hand Rail	1	42.090	46.299	1.00	1.00	32.00	1440.00	0.000	0.000	1481.57	0.00	0.00
37	99.50	RFS ATMAA1412D-1A2 -	3	42.090	46.299	0.56	0.80	1.97	35.10	0.000	0.000	91.01	0.00	0.00
38	99.50	Commscope	3	42.090	46.299	0.64	0.80	22.02	134.46	0.000	0.000	1019.62	0.00	0.00
39	99.50	Kathrein 782 11054 - Bias	3	42.090	46.299	0.56	0.80	0.47	7.02	0.000	0.000	21.78	0.00	0.00
40	85.00	Platform w/HRK	1	40.717	44.789	1.00	1.00	22.92	1554.30	0.000	0.000	1026.56	0.00	0.00
41	85.00	Raycap	1	40.717	44.789	0.80	0.80	1.61	19.67	0.000	0.000	72.02	0.00	0.00
42	85.00	Fujitsu TA08025-B604	3	40.717	44.789	0.61	0.80	3.58	172.61	0.000	0.000	160.12	0.00	0.00
43	85.00	Fujitsu TA08025-B605	3	40.717	44.789	0.64	0.80	3.76	202.37	0.000	0.000	168.55	0.00	0.00
44	85.00	Commscope	3	40.717	44.789	0.58	0.80	21.50	191.16	0.000	0.000	962.83	0.00	0.00
45	50.50	3 ft Standoff	1	36.490	40.139	1.00	1.00	2.63	36.00	0.000	0.000	105.57	0.00	0.00
46	50.50	Decibel 260B GPS	1	36.490	40.139	1.00	1.00	0.09	0.90	0.000	0.000	3.61	0.00	0.00
							Totals:		**12,664.42**			**20,030.07**		

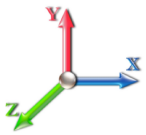
Total Applied Force Summary

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 17

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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
5.00		527.86	1131.34	0.00	0.00
10.00		517.78	1112.22	0.00	0.00
15.00		507.69	1093.10	0.00	0.00
20.00		527.98	1073.98	0.00	0.00
25.00		542.16	1054.86	0.00	0.00
30.00		551.72	1035.73	0.00	0.00
35.00		557.87	1016.61	0.00	0.00
39.00		447.71	799.52	0.00	0.00
40.00		112.76	342.11	0.00	0.00
45.00		570.36	1689.52	0.00	0.00
50.00		570.17	832.74	0.00	0.00
50.50	(2) attachments	165.60	119.30	0.00	0.00
55.00		511.04	733.76	0.00	0.00
60.00		565.51	800.15	0.00	0.00
65.00		561.40	784.22	0.00	0.00
70.00		556.29	768.28	0.00	0.00
75.00		550.30	752.35	0.00	0.00
79.00		434.79	590.41	0.00	0.00
80.00		108.92	242.29	0.00	0.00
84.00		434.38	957.70	0.00	0.00
85.00	(11) attachments	2497.50	2261.20	0.00	0.00
90.00		534.76	591.98	0.00	0.00
95.00		526.03	579.23	0.00	0.00
99.50	(19) attachments	4385.37	2271.17	0.00	0.00
100.00		51.00	52.51	0.00	0.00
105.00		506.88	518.10	0.00	0.00
109.00	(25) attachments	3572.35	2133.66	0.00	0.00
110.00		98.08	97.67	0.00	0.00
115.00		485.75	480.72	0.00	0.00
118.50	(29) attachments	5178.38	3628.69	0.00	0.00
120.00		140.72	128.04	0.00	0.00
125.00		462.87	326.13	0.00	0.00
130.00		450.84	316.57	0.00	0.00
135.00		438.43	307.01	0.00	0.00
136.50	(39) attachments	5262.67	3686.62	0.00	3328.23
140.00		296.28	189.15	0.00	0.00
145.00		412.60	251.77	0.00	0.00
147.00	(2) attachments	343.41	139.43	0.00	0.00
148.00	(3) attachments	353.74	108.72	0.00	933.94
	Totals:	**35,319.96**	**34,998.55**	**0.00**	**4,262.17**

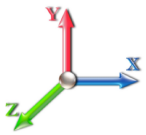
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 18	

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	28.298	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	28.298	0.00	4.68
5.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.030	0.000	28.298	0.00	0.72
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	28.298	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	28.298	0.00	4.68
10.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.030	0.000	28.298	0.00	0.72
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	28.298	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	28.298	0.00	4.68
15.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.031	0.000	28.298	0.00	0.72
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	30.025	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	30.025	0.00	4.68
20.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.032	0.000	30.025	0.00	0.72
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	31.469	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	31.469	0.00	4.68
25.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.032	0.000	31.469	0.00	0.72
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	32.701	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	32.701	0.00	4.68
30.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.033	0.000	32.701	0.00	0.72
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	33.779	0.00	1.23
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	33.779	0.00	4.68
35.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.034	0.000	33.779	0.00	0.72
39.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.034	0.000	34.558	0.00	0.98
39.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.034	0.000	34.558	0.00	3.74
39.00	1/2" Coax	Yes	4.00	0.000	0.65	0.22	0.00	0.034	0.000	34.558	0.00	0.58
40.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.035	0.000	34.743	0.00	0.25
40.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.035	0.000	34.743	0.00	0.94
40.00	1/2" Coax	Yes	1.00	0.000	0.65	0.05	0.00	0.035	0.000	34.743	0.00	0.14
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	35.615	0.00	1.23
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	35.615	0.00	4.68
45.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.035	0.000	35.615	0.00	0.72
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	36.414	0.00	1.23
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	36.414	0.00	4.68
50.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.035	0.000	36.414	0.00	0.72
50.50	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.036	0.000	36.490	0.00	0.12
50.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.036	0.000	36.490	0.00	0.47
50.50	1/2" Coax	Yes	0.50	0.000	0.65	0.03	0.00	0.036	0.000	36.490	0.00	0.07
55.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.022	0.000	37.152	0.00	1.11
55.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.022	0.000	37.152	0.00	4.21
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	37.838	0.00	1.23
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	37.838	0.00	4.68
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	38.481	0.00	1.23
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	38.481	0.00	4.68
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	39.087	0.00	1.23
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	39.087	0.00	4.68
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	39.658	0.00	1.23
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	39.658	0.00	4.68
79.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.025	0.000	40.095	0.00	0.98

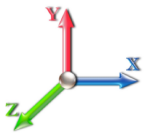
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 19	

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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)
79.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.025	0.000	40.095	0.00	3.74
80.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.025	0.000	40.201	0.00	0.25
80.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.025	0.000	40.201	0.00	0.94
84.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.026	0.000	40.616	0.00	0.98
84.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.026	0.000	40.616	0.00	3.74
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.026	0.000	40.717	0.00	0.25
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.026	0.000	40.717	0.00	0.94
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	41.210	0.00	1.23
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	41.210	0.00	4.68
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	41.682	0.00	1.23
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	41.682	0.00	4.68
99.50	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.028	0.000	42.090	0.00	1.11
99.50	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.028	0.000	42.090	0.00	4.21
100.00	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.028	0.000	42.135	0.00	0.12
100.00	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.028	0.000	42.135	0.00	0.47
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	42.570	0.00	1.23
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	42.570	0.00	4.68
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	42.906	0.00	0.98
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	42.906	0.00	3.74
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.030	0.000	42.989	0.00	0.25
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.030	0.000	42.989	0.00	0.94
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	43.393	0.00	1.23
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	43.393	0.00	4.68
118.50	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.031	0.000	43.667	0.00	0.86
118.50	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.031	0.000	43.667	0.00	3.28
120.00	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.032	0.000	43.783	0.00	0.37
120.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.032	0.000	43.783	0.00	1.40
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	44.161	0.00	1.23
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	44.161	0.00	4.68
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	44.527	0.00	1.23
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	44.527	0.00	4.68
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	44.882	0.00	1.23
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	44.882	0.00	4.68
136.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.035	0.000	44.987	0.00	0.37
136.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.035	0.000	44.987	0.00	1.40
140.00	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.036	0.000	45.227	0.00	0.86
140.00	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.036	0.000	45.227	0.00	3.28
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	45.563	0.00	1.23
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	45.563	0.00	4.68
147.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.038	0.000	45.694	0.00	0.49
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038	0.000	45.694	0.00	1.87
148.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	45.760	0.00	0.25
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	45.760	0.00	0.94
									Totals:		**0.0**	**182.2**

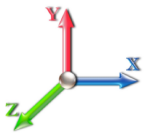
Calculated Forces

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 20

Load Case: 0.9D + 1.0W 117 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 24

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	-34.94	-35.38	0.00	-3503.0	0.00	3503.01	4270.00	1150.00	5253.00	4842.06	0.00	0.000	0.000	0.733
5.00	-33.69	-34.96	0.00	-3326.1	0.00	3326.11	4222.20	1128.08	5054.70	4695.99	0.10	-0.194	0.000	0.717
10.00	-32.46	-34.55	0.00	-3151.2	0.00	3151.29	4173.09	1106.17	4860.22	4550.58	0.41	-0.388	0.000	0.701
15.00	-31.26	-34.14	0.00	-2978.5	0.00	2978.54	4122.67	1084.25	4669.55	4405.92	0.92	-0.583	0.000	0.685
20.00	-30.07	-33.70	0.00	-2807.8	0.00	2807.83	4070.95	1062.34	4482.70	4262.08	1.64	-0.779	0.000	0.667
25.00	-28.91	-33.24	0.00	-2639.3	0.00	2639.31	4017.93	1040.42	4299.66	4119.16	2.56	-0.975	0.000	0.649
30.00	-27.78	-32.77	0.00	-2473.0	0.00	2473.09	3963.61	1018.51	4120.43	3977.23	3.69	-1.171	0.000	0.630
35.00	-26.67	-32.27	0.00	-2309.2	0.00	2309.25	3907.97	996.59	3945.02	3836.39	5.02	-1.366	0.000	0.610
39.00	-25.83	-31.85	0.00	-2180.1	0.00	2180.17	3862.53	979.06	3807.44	3724.55	6.23	-1.522	0.000	0.593
40.00	-25.43	-31.78	0.00	-2148.3	0.00	2148.32	3851.04	974.68	3773.43	3696.72	6.56	-1.562	0.000	0.589
45.00	-23.65	-31.24	0.00	-1989.4	0.00	1989.44	2980.94	805.94	3095.97	2842.94	8.30	-1.754	0.000	0.709
50.00	-22.78	-30.68	0.00	-1833.2	0.00	1833.26	2941.52	787.67	2957.25	2741.34	10.24	-1.945	0.000	0.678
50.50	-22.61	-30.56	0.00	-1817.9	0.00	1817.92	2937.50	785.85	2943.55	2731.21	10.44	-1.967	0.000	0.675
55.00	-21.79	-30.10	0.00	-1680.4	0.00	1680.42	2900.79	769.41	2821.71	2640.28	12.39	-2.162	0.000	0.645
60.00	-20.90	-29.58	0.00	-1529.9	0.00	1529.94	2858.76	751.15	2689.35	2539.83	14.77	-2.373	0.000	0.611
65.00	-20.04	-29.05	0.00	-1382.0	0.00	1382.07	2815.42	732.89	2560.17	2440.07	17.36	-2.578	0.000	0.575
70.00	-19.20	-28.53	0.00	-1236.8	0.00	1236.81	2770.78	714.62	2434.17	2341.11	20.17	-2.777	0.000	0.537
75.00	-18.40	-27.99	0.00	-1094.1	0.00	1094.19	2724.84	696.36	2311.35	2243.01	23.18	-2.969	0.000	0.496
79.00	-17.79	-27.56	0.00	-982.22	0.00	982.22	2687.14	681.75	2215.38	2165.21	25.73	-3.116	0.000	0.462
80.00	-17.51	-27.46	0.00	-954.66	0.00	954.66	2677.59	678.10	2191.70	2145.86	26.39	-3.152	0.000	0.453
84.00	-16.54	-27.00	0.00	-844.82	0.00	844.82	1954.67	538.62	1728.53	1557.78	29.09	-3.291	0.000	0.553
85.00	-14.38	-24.40	0.00	-817.82	0.00	817.82	1948.85	535.70	1709.83	1544.66	29.79	-3.325	0.000	0.539
90.00	-13.74	-23.88	0.00	-695.82	0.00	695.82	1918.95	521.09	1617.84	1479.22	33.37	-3.513	0.000	0.480
95.00	-13.13	-23.35	0.00	-576.44	0.00	576.44	1887.76	506.48	1528.39	1414.10	37.14	-3.686	0.000	0.417
99.50	-11.13	-18.84	0.00	-471.36	0.00	471.36	1858.56	493.33	1450.06	1355.84	40.68	-3.825	0.000	0.355
100.00	-11.06	-18.80	0.00	-461.94	0.00	461.94	1855.26	491.87	1441.49	1349.39	41.09	-3.840	0.000	0.350
105.00	-10.54	-18.28	0.00	-367.94	0.00	367.94	1821.45	477.26	1357.13	1285.18	45.18	-3.973	0.000	0.294
109.00	-8.65	-14.58	0.00	-294.82	0.00	294.82	1793.47	465.57	1291.47	1234.22	48.55	-4.067	0.000	0.245
110.00	-8.54	-14.48	0.00	-280.24	0.00	280.24	1786.34	462.65	1275.31	1221.54	49.40	-4.088	0.000	0.235
115.00	-8.08	-13.97	0.00	-207.84	0.00	207.84	1749.93	448.04	1196.04	1158.57	53.73	-4.183	0.000	0.185
118.50	-4.83	-8.54	0.00	-158.95	0.00	158.95	1723.66	437.82	1142.06	1114.93	56.82	-4.238	0.000	0.146
120.00	-4.71	-8.40	0.00	-146.13	0.00	146.13	1712.21	433.43	1119.31	1096.35	58.15	-4.258	0.000	0.136
120.00	-4.71	-8.40	0.00	-146.13	0.00	146.13	1141.82	325.73	842.86	734.06	58.15	-4.258	0.000	0.204
125.00	-4.41	-7.92	0.00	-104.15	0.00	104.15	1122.14	314.77	787.10	696.99	62.64	-4.317	0.000	0.154
130.00	-4.12	-7.45	0.00	-64.57	0.00	64.57	1101.16	303.81	733.26	660.01	67.19	-4.376	0.000	0.102
135.00	-3.85	-6.99	0.00	-27.35	0.00	27.35	1078.87	292.85	681.32	623.18	71.79	-4.411	0.000	0.048
136.50	-0.58	-1.45	0.00	-13.54	0.00	13.54	1071.93	289.57	666.11	612.17	73.18	-4.417	0.000	0.023
140.00	-0.41	-1.14	0.00	-8.45	0.00	8.45	1055.28	281.90	631.29	586.59	76.42	-4.424	0.000	0.015
145.00	-0.19	-0.71	0.00	-2.72	0.00	2.72	1030.38	270.94	583.16	550.33	81.05	-4.429	0.000	0.005
147.00	-0.08	-0.36	0.00	-1.29	0.00	1.29	1020.06	266.56	564.45	535.94	82.90	-4.430	0.000	0.002
148.00	0.00	-0.35	0.00	-0.93	0.00	0.93	1014.82	264.37	555.21	528.78	83.83	-4.430	0.000	0.002

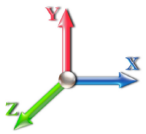
Wind Loading - Shaft

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 21	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

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	5.168	5.68	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.168	5.68	0.00	1.200	0.828	5.00	23.920	28.70	163.2	286.4	1611.5
10.00		1.00	0.85	5.168	5.68	0.00	1.200	0.887	5.00	23.526	28.23	160.5	301.5	1601.1
15.00		1.00	0.85	5.168	5.68	0.00	1.200	0.924	5.00	23.113	27.74	157.7	308.1	1582.2
20.00		1.00	0.90	5.483	6.03	0.00	1.200	0.951	5.00	22.691	27.23	164.2	311.0	1559.6
25.00		1.00	0.95	5.747	6.32	0.00	1.200	0.973	5.00	22.265	26.72	168.9	311.7	1534.8
30.00		1.00	0.98	5.972	6.57	0.00	1.200	0.991	5.00	21.836	26.20	172.1	311.0	1508.7
35.00		1.00	1.01	6.169	6.79	0.00	1.200	1.006	5.00	21.405	25.69	174.3	309.4	1481.5
39.00	Bot - Section 2	1.00	1.04	6.311	6.94	0.00	1.200	1.017	4.00	16.812	20.17	140.1	246.0	1165.3
40.00		1.00	1.04	6.345	6.98	0.00	1.200	1.019	1.00	4.212	5.05	35.3	62.2	481.7
45.00	Top - Section 1	1.00	1.07	6.504	7.15	0.00	1.200	1.032	5.00	20.803	24.96	178.6	307.9	2377.2
50.00		1.00	1.09	6.650	7.32	0.00	1.200	1.042	5.00	20.368	24.44	178.8	304.4	1231.3
50.50	Appurtenance(s)	1.00	1.10	6.664	7.33	0.00	1.200	1.043	0.50	2.012	2.41	17.7	30.4	121.9
55.00		1.00	1.12	6.785	7.46	0.00	1.200	1.052	4.50	17.919	21.50	160.5	270.4	1084.6
60.00		1.00	1.14	6.910	7.60	0.00	1.200	1.062	5.00	19.496	23.40	177.8	296.1	1180.6
65.00		1.00	1.16	7.028	7.73	0.00	1.200	1.070	5.00	19.060	22.87	176.8	291.5	1154.7
70.00		1.00	1.17	7.138	7.85	0.00	1.200	1.078	5.00	18.622	22.35	175.5	286.6	1128.6
75.00		1.00	1.19	7.243	7.97	0.00	1.200	1.086	5.00	18.185	21.82	173.9	281.5	1102.3
79.00	Bot - Section 3	1.00	1.20	7.322	8.05	0.00	1.200	1.091	4.00	14.232	17.08	137.6	221.9	863.1
80.00		1.00	1.21	7.342	8.08	0.00	1.200	1.093	1.00	3.556	4.27	34.5	55.9	342.5
84.00	Top - Section 2	1.00	1.22	7.418	8.16	0.00	1.200	1.098	4.00	14.051	16.86	137.6	220.2	1351.2
85.00	Appurtenance(s)	1.00	1.22	7.436	8.18	0.00	1.200	1.099	1.00	3.468	4.16	34.0	54.8	179.8
90.00		1.00	1.24	7.526	8.28	0.00	1.200	1.106	5.00	17.081	20.50	169.7	268.5	883.2
95.00		1.00	1.25	7.612	8.37	0.00	1.200	1.112	5.00	16.642	19.97	167.2	262.7	860.4
99.50	Appurtenance(s)	1.00	1.26	7.687	8.46	0.00	1.200	1.117	4.50	14.602	17.52	148.2	231.6	755.0
100.00		1.00	1.27	7.695	8.46	0.00	1.200	1.117	0.50	1.600	1.92	16.3	25.7	83.0
105.00		1.00	1.28	7.774	8.55	0.00	1.200	1.123	5.00	15.764	18.92	161.8	250.7	814.4
109.00	Appurtenance(s)	1.00	1.29	7.836	8.62	0.00	1.200	1.127	4.00	12.294	14.75	127.2	196.6	635.3
110.00		1.00	1.29	7.851	8.64	0.00	1.200	1.128	1.00	3.029	3.64	31.4	48.9	156.9
115.00		1.00	1.30	7.925	8.72	0.00	1.200	1.133	5.00	14.885	17.86	155.7	238.1	767.9
118.50	Appurtenance(s)	1.00	1.31	7.975	8.77	0.00	1.200	1.136	3.50	10.157	12.19	106.9	163.5	524.2
120.00	Top - Section 3	1.00	1.32	7.996	8.80	0.00	1.200	1.138	1.50	4.287	5.14	45.2	69.5	221.5
125.00		1.00	1.33	8.065	8.87	0.00	1.200	1.142	5.00	14.005	16.81	149.1	225.2	597.7
130.00		1.00	1.34	8.132	8.95	0.00	1.200	1.147	5.00	13.565	16.28	145.6	218.5	578.4
135.00		1.00	1.35	8.197	9.02	0.00	1.200	1.151	5.00	13.124	15.75	142.0	211.8	558.9
136.50	Appurtenance(s)	1.00	1.35	8.216	9.04	0.00	1.200	1.153	1.50	3.851	4.62	41.8	62.9	164.6
140.00		1.00	1.36	8.260	9.09	0.00	1.200	1.155	3.50	8.832	10.60	96.3	143.5	376.2
145.00		1.00	1.37	8.321	9.15	0.00	1.200	1.160	5.00	12.243	14.69	134.5	198.2	519.7
147.00	Appurtenance(s)	1.00	1.37	8.345	9.18	0.00	1.200	1.161	2.00	4.774	5.73	52.6	78.2	203.2
148.00	Appurtenance(s)	1.00	1.37	8.357	9.19	0.00	1.200	1.162	1.00	2.360	2.83	26.0	38.8	100.6
								Totals:	**148.00**			**4,836.9**		**33,445.3**

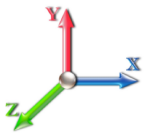
Discrete Appurtenance Forces

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 22	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

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	148.00	Pipe Mount	1	8.381	9.219	1.00	1.00	6.60	78.45	0.000	2.000	60.88	0.00	121.76
2	148.00	DB-TDD6492A-A	1	8.416	9.257	1.00	1.00	4.27	48.49	0.000	5.000	39.49	0.00	197.46
3	148.00	6' Lightning rod	1	8.392	9.232	1.00	1.00	1.10	26.67	0.000	3.000	10.19	0.00	30.58
4	147.00	Trombone	1	8.345	9.180	1.00	1.00	2.14	-7.91	0.000	0.000	19.66	0.00	0.00
5	147.00	Standoff	1	8.345	9.180	1.00	1.00	6.60	78.41	0.000	0.000	60.60	0.00	0.00
6	136.50	Samsung RF4439d-25A	3	8.229	9.051	0.55	0.75	3.66	391.83	0.000	1.000	33.13	0.00	33.13
7	136.50	Swedcom SC-E 6014	3	8.229	9.051	0.73	0.75	8.52	164.54	0.000	1.000	77.09	0.00	77.09
8	136.50	JMA Wireless	6	8.229	9.051	0.66	0.75	42.58	1599.29	0.000	1.000	385.42	0.00	385.42
9	136.50	Samsung MT6407-77A	3	8.229	9.051	0.53	0.75	8.46	561.02	0.000	1.000	76.58	0.00	76.58
10	136.50	Commscope	3	8.229	9.051	0.55	0.75	3.82	444.41	0.000	1.000	34.58	0.00	34.58
11	136.50	Commscope	1	8.229	9.051	0.75	0.75	1.67	65.61	0.000	1.000	15.14	0.00	15.14
12	136.50	Low Profile Platform w/	1	8.216	9.037	1.00	1.00	36.09	4822.33	0.000	0.000	326.14	0.00	0.00
13	136.50	Kaelus KA-6030	4	8.229	9.051	0.75	0.75	3.67	216.58	0.000	1.000	33.19	0.00	33.19
14	136.50	Mount Pipes	12	8.216	9.037	0.75	0.75	17.23	-20559.0	0.000	0.000	155.67	0.00	0.00
15	136.50	Samsung RF4440d-13A	3	8.229	9.051	0.61	0.75	4.11	360.25	0.000	1.000	37.22	0.00	37.22
16	118.50	Kathrein 800-10965	6	7.975	8.772	0.75	0.75	66.71	1886.81	0.000	0.000	585.19	0.00	0.00
17	118.50	Low Profile Platform	1	7.975	8.772	1.00	1.00	33.50	2352.28	0.000	0.000	293.88	0.00	0.00
18	118.50	Raycap DC6-48-60-18-8F	2	7.975	8.772	0.75	0.75	1.81	128.36	0.000	0.000	15.86	0.00	0.00
19	118.50	RRH Collar Mount	1	7.975	8.772	0.56	0.75	6.01	522.73	0.000	0.000	52.71	0.00	0.00
20	118.50	SitePro Sitepro 1 P/N	1	7.975	8.772	1.00	1.00	15.95	1208.74	0.000	0.000	139.96	0.00	0.00
21	118.50	Ericsson 4449 B5/B12	3	7.975	8.772	0.75	0.75	5.23	319.07	0.000	0.000	45.92	0.00	0.00
22	118.50	Ericsson RRUS 8843 B2	3	7.975	8.772	0.75	0.75	4.45	307.92	0.000	0.000	39.01	0.00	0.00
23	118.50	Pipe Mast	3	7.975	8.772	0.75	0.75	6.34	345.55	0.000	0.000	55.63	0.00	0.00
24	118.50	Powerwave LGP21401	6	7.975	8.772	0.52	0.75	5.78	156.60	0.000	0.000	50.68	0.00	0.00
25	118.50	Powerwave 7770	3	7.975	8.772	0.63	0.75	11.68	369.40	0.000	0.000	102.44	0.00	0.00
26	109.00	T-Arms w/ Working	3	7.836	8.619	0.56	0.75	31.66	1523.30	0.000	0.000	272.89	0.00	0.00
27	109.00	RFS ACU-A20-N - RET	4	7.836	8.619	0.40	0.80	0.53	10.70	0.000	0.000	4.57	0.00	0.00
28	109.00	ALU TD-RRH8x20 - RRU	3	7.836	8.619	0.54	0.80	7.33	450.50	0.000	0.000	63.20	0.00	0.00
29	109.00	ALU 800MHz RRH Filter	3	7.836	8.619	0.54	0.80	1.93	50.86	0.000	0.000	16.60	0.00	0.00
30	109.00	ALU 800 MHz RRH - RRU	3	7.836	8.619	0.54	0.80	5.19	270.77	0.000	0.000	44.75	0.00	0.00
31	109.00	ALU 1900MHz RRH - RRU	3	7.836	8.619	0.54	0.80	7.55	276.27	0.000	0.000	65.11	0.00	0.00
32	109.00	RFS APXVTM14-C-I20	3	7.836	8.619	0.68	0.80	14.37	490.41	0.000	0.000	123.83	0.00	0.00
33	109.00	RFS APXVSPP18-C-A20	3	7.836	8.619	0.66	0.80	19.57	391.54	0.000	0.000	168.68	0.00	0.00
34	99.50	RR65-18-00DPL2	6	7.687	8.456	0.68	0.80	20.26	436.53	0.000	0.000	171.33	0.00	0.00
35	99.50	RFS	3	7.687	8.456	0.67	0.80	13.49	194.02	0.000	0.000	114.03	0.00	0.00
36	99.50	Platform w/ Hand Rail	1	7.687	8.456	1.00	1.00	49.87	2663.60	0.000	0.000	421.65	0.00	0.00
37	99.50	RFS ATMAA1412D-1A2 -	3	7.687	8.456	0.59	0.80	2.97	75.02	0.000	0.000	25.09	0.00	0.00
38	99.50	Commscope	3	7.687	8.456	0.64	0.80	26.04	422.52	0.000	0.000	220.15	0.00	0.00
39	99.50	Kathrein 782 11054 - Bias	3	7.687	8.456	0.57	0.80	0.91	16.20	0.000	0.000	7.73	0.00	0.00
40	85.00	Platform w/HRK	1	7.436	8.180	1.00	1.00	39.75	4598.59	0.000	0.000	325.14	0.00	0.00
41	85.00	Raycap	1	7.436	8.180	0.80	0.80	1.84	31.24	0.000	0.000	15.07	0.00	0.00
42	85.00	Fujitsu TA08025-B604	3	7.436	8.180	0.62	0.80	4.80	341.21	0.000	0.000	39.23	0.00	0.00
43	85.00	Fujitsu TA08025-B605	3	7.436	8.180	0.65	0.80	5.04	433.54	0.000	0.000	41.27	0.00	0.00
44	85.00	Commscope	3	7.436	8.180	0.59	0.80	23.02	-262.71	0.000	0.000	188.28	0.00	0.00
45	50.50	3 ft Standoff	1	6.664	7.331	1.00	1.00	6.20	73.00	0.000	0.000	45.44	0.00	0.00
46	50.50	Decibel 260B GPS	1	6.664	7.331	1.00	1.00	0.20	2.94	0.000	0.000	1.43	0.00	0.00
							Totals:		**8,378.42**			**5,121.73**		

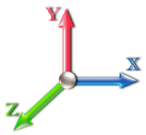
Total Applied Force Summary

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 23

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

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
5.00		163.18	1813.14	0.00	0.00
10.00		160.49	1804.94	0.00	0.00
15.00		157.67	1787.51	0.00	0.00
20.00		164.24	1766.01	0.00	0.00
25.00		168.91	1742.16	0.00	0.00
30.00		172.14	1716.76	0.00	0.00
35.00		174.31	1690.24	0.00	0.00
39.00		140.06	1332.69	0.00	0.00
40.00		35.28	523.52	0.00	0.00
45.00		178.61	2587.09	0.00	0.00
50.00		178.80	1441.67	0.00	0.00
50.50	(2) attachments	64.58	218.90	0.00	0.00
55.00		160.49	1264.78	0.00	0.00
60.00		177.84	1381.10	0.00	0.00
65.00		176.81	1355.51	0.00	0.00
70.00		175.47	1329.64	0.00	0.00
75.00		173.85	1303.52	0.00	0.00
79.00		137.56	1024.27	0.00	0.00
80.00		34.46	382.80	0.00	0.00
84.00		137.57	1512.54	0.00	0.00
85.00	(11) attachments	643.04	5362.02	0.00	0.00
90.00		169.69	1077.28	0.00	0.00
95.00		167.23	1054.66	0.00	0.00
99.50	(19) attachments	1108.15	4737.87	0.00	0.00
100.00		16.26	97.67	0.00	0.00
105.00		161.77	961.45	0.00	0.00
109.00	(25) attachments	886.79	4217.41	0.00	0.00
110.00		31.39	183.15	0.00	0.00
115.00		155.70	899.41	0.00	0.00
118.50	(29) attachments	1488.19	8213.87	0.00	0.00
120.00		45.25	246.37	0.00	0.00
125.00		149.09	680.62	0.00	0.00
130.00		145.61	661.39	0.00	0.00
135.00		142.00	642.07	0.00	0.00
136.50	(39) attachments	1215.92	-11743.64	0.00	692.35
140.00		96.30	410.44	0.00	0.00
145.00		134.48	555.01	0.00	0.00
147.00	(2) attachments	132.84	287.84	0.00	0.00
148.00	(3) attachments	136.60	260.62	0.00	349.79
	Totals:	**9,958.62**	**46,784.31**	**0.00**	**1,042.14**

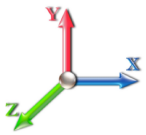
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 24	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

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)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.85	0.00	0.030	0.000	5.168	0.00	7.09
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.95	0.00	0.030	0.000	5.168	0.00	12.60
5.00	1/2" Coax	Yes	5.00	0.000	0.65	0.96	0.00	0.030	0.000	5.168	0.00	7.42
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.90	0.00	0.030	0.000	5.168	0.00	7.80
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.00	0.00	0.030	0.000	5.168	0.00	13.37
10.00	1/2" Coax	Yes	5.00	0.000	0.65	1.01	0.00	0.030	0.000	5.168	0.00	8.19
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.93	0.00	0.031	0.000	5.168	0.00	8.26
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.03	0.00	0.031	0.000	5.168	0.00	13.87
15.00	1/2" Coax	Yes	5.00	0.000	0.65	1.04	0.00	0.031	0.000	5.168	0.00	8.69
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.95	0.00	0.032	0.000	5.483	0.00	8.61
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.06	0.00	0.032	0.000	5.483	0.00	14.24
20.00	1/2" Coax	Yes	5.00	0.000	0.65	1.06	0.00	0.032	0.000	5.483	0.00	9.07
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.97	0.00	0.032	0.000	5.747	0.00	8.89
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.07	0.00	0.032	0.000	5.747	0.00	14.55
25.00	1/2" Coax	Yes	5.00	0.000	0.65	1.08	0.00	0.032	0.000	5.747	0.00	9.37
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.98	0.00	0.033	0.000	5.972	0.00	9.13
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.09	0.00	0.033	0.000	5.972	0.00	14.80
30.00	1/2" Coax	Yes	5.00	0.000	0.65	1.10	0.00	0.033	0.000	5.972	0.00	9.63
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.00	0.00	0.034	0.000	6.169	0.00	9.34
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.10	0.00	0.034	0.000	6.169	0.00	15.03
35.00	1/2" Coax	Yes	5.00	0.000	0.65	1.11	0.00	0.034	0.000	6.169	0.00	9.86
39.00	Safety Cable	Yes	4.00	0.000	0.38	0.80	0.00	0.034	0.000	6.311	0.00	7.60
39.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.89	0.00	0.034	0.000	6.311	0.00	12.15
39.00	1/2" Coax	Yes	4.00	0.000	0.65	0.89	0.00	0.034	0.000	6.311	0.00	8.02
40.00	Safety Cable	Yes	1.00	0.000	0.38	0.20	0.00	0.035	0.000	6.345	0.00	1.91
40.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.22	0.00	0.035	0.000	6.345	0.00	3.05
40.00	1/2" Coax	Yes	1.00	0.000	0.65	0.22	0.00	0.035	0.000	6.345	0.00	2.01
45.00	Safety Cable	Yes	5.00	0.000	0.38	1.02	0.00	0.035	0.000	6.504	0.00	9.70
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.12	0.00	0.035	0.000	6.504	0.00	15.41
45.00	1/2" Coax	Yes	5.00	0.000	0.65	1.13	0.00	0.035	0.000	6.504	0.00	10.24
50.00	Safety Cable	Yes	5.00	0.000	0.38	1.03	0.00	0.035	0.000	6.650	0.00	9.85
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.13	0.00	0.035	0.000	6.650	0.00	15.57
50.00	1/2" Coax	Yes	5.00	0.000	0.65	1.14	0.00	0.035	0.000	6.650	0.00	10.41
50.50	Safety Cable	Yes	0.50	0.000	0.38	0.10	0.00	0.036	0.000	6.664	0.00	0.99
50.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.11	0.00	0.036	0.000	6.664	0.00	1.56
50.50	1/2" Coax	Yes	0.50	0.000	0.65	0.11	0.00	0.036	0.000	6.664	0.00	1.04
55.00	Safety Cable	Yes	4.50	0.000	0.38	0.93	0.00	0.022	0.000	6.785	0.00	9.00
55.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	1.03	0.00	0.022	0.000	6.785	0.00	14.15
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.023	0.000	6.910	0.00	10.13
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.023	0.000	6.910	0.00	15.87
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.05	0.00	0.023	0.000	7.028	0.00	10.25
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.023	0.000	7.028	0.00	16.00
70.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.024	0.000	7.138	0.00	10.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.16	0.00	0.024	0.000	7.138	0.00	16.12
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.024	0.000	7.243	0.00	10.48
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.024	0.000	7.243	0.00	16.24
79.00	Safety Cable	Yes	4.00	0.000	0.38	0.85	0.00	0.025	0.000	7.322	0.00	8.45

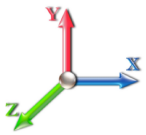
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 25	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

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)
79.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.94	0.00	0.025	0.000	7.322	0.00	13.06
80.00	Safety Cable	Yes	1.00	0.000	0.38	0.21	0.00	0.025	0.000	7.342	0.00	2.12
80.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.23	0.00	0.025	0.000	7.342	0.00	3.27
84.00	Safety Cable	Yes	4.00	0.000	0.38	0.86	0.00	0.026	0.000	7.418	0.00	8.53
84.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.94	0.00	0.026	0.000	7.418	0.00	13.15
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.21	0.00	0.026	0.000	7.436	0.00	2.14
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.026	0.000	7.436	0.00	3.29
90.00	Safety Cable	Yes	5.00	0.000	0.38	1.08	0.00	0.026	0.000	7.526	0.00	10.77
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.18	0.00	0.026	0.000	7.526	0.00	16.56
95.00	Safety Cable	Yes	5.00	0.000	0.38	1.08	0.00	0.027	0.000	7.612	0.00	10.86
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.19	0.00	0.027	0.000	7.612	0.00	16.65
99.50	Safety Cable	Yes	4.50	0.000	0.38	0.98	0.00	0.028	0.000	7.687	0.00	9.85
99.50	Step bolts (ladder)	Yes	4.50	0.000	0.63	1.07	0.00	0.028	0.000	7.687	0.00	15.06
100.00	Safety Cable	Yes	0.50	0.000	0.38	0.11	0.00	0.028	0.000	7.695	0.00	1.10
100.00	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.12	0.00	0.028	0.000	7.695	0.00	1.67
105.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.028	0.000	7.774	0.00	11.03
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.20	0.00	0.028	0.000	7.774	0.00	16.83
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.88	0.00	0.029	0.000	7.836	0.00	8.88
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.96	0.00	0.029	0.000	7.836	0.00	13.52
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.030	0.000	7.851	0.00	2.22
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.030	0.000	7.851	0.00	3.38
115.00	Safety Cable	Yes	5.00	0.000	0.38	1.10	0.00	0.030	0.000	7.925	0.00	11.19
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.030	0.000	7.925	0.00	17.00
118.50	Safety Cable	Yes	3.50	0.000	0.38	0.77	0.00	0.031	0.000	7.975	0.00	7.87
118.50	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.85	0.00	0.031	0.000	7.975	0.00	11.94
120.00	Safety Cable	Yes	1.50	0.000	0.38	0.33	0.00	0.032	0.000	7.996	0.00	3.38
120.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.36	0.00	0.032	0.000	7.996	0.00	5.12
125.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.032	0.000	8.065	0.00	11.34
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.032	0.000	8.065	0.00	17.15
130.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.033	0.000	8.132	0.00	11.41
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.033	0.000	8.132	0.00	17.23
135.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.035	0.000	8.197	0.00	11.47
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.035	0.000	8.197	0.00	17.30
136.50	Safety Cable	Yes	1.50	0.000	0.38	0.34	0.00	0.035	0.000	8.216	0.00	3.45
136.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.37	0.00	0.035	0.000	8.216	0.00	5.20
140.00	Safety Cable	Yes	3.50	0.000	0.38	0.78	0.00	0.036	0.000	8.260	0.00	8.08
140.00	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.86	0.00	0.036	0.000	8.260	0.00	12.16
145.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.037	0.000	8.321	0.00	11.60
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.23	0.00	0.037	0.000	8.321	0.00	17.43
147.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.038	0.000	8.345	0.00	4.65
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.038	0.000	8.345	0.00	6.98
148.00	Safety Cable	Yes	1.00	0.000	0.38	0.23	0.00	0.039	0.000	8.357	0.00	2.33
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.25	0.00	0.039	0.000	8.357	0.00	3.49
									Totals:		**0.0**	**868.1**

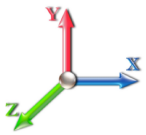
Calculated Forces

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 26	

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

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 23

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	-58.52	-9.99	0.00	-983.68	0.00	983.68	4270.00	1150.00	5253.00	4842.06	0.00	0.000	0.000	0.217
5.00	-56.70	-9.88	0.00	-933.75	0.00	933.75	4222.20	1128.08	5054.70	4695.99	0.03	-0.054	0.000	0.212
10.00	-54.89	-9.77	0.00	-884.37	0.00	884.37	4173.09	1106.17	4860.22	4550.58	0.12	-0.109	0.000	0.208
15.00	-53.09	-9.65	0.00	-835.54	0.00	835.54	4122.67	1084.25	4669.55	4405.92	0.26	-0.164	0.000	0.203
20.00	-51.32	-9.53	0.00	-787.27	0.00	787.27	4070.95	1062.34	4482.70	4262.08	0.46	-0.219	0.000	0.197
25.00	-49.57	-9.40	0.00	-739.60	0.00	739.60	4017.93	1040.42	4299.66	4119.16	0.72	-0.273	0.000	0.192
30.00	-47.84	-9.27	0.00	-692.57	0.00	692.57	3963.61	1018.51	4120.43	3977.23	1.04	-0.328	0.000	0.186
35.00	-46.14	-9.12	0.00	-646.23	0.00	646.23	3907.97	996.59	3945.02	3836.39	1.41	-0.383	0.000	0.180
39.00	-44.81	-9.00	0.00	-609.73	0.00	609.73	3862.53	979.06	3807.44	3724.55	1.75	-0.427	0.000	0.175
40.00	-44.28	-8.98	0.00	-600.74	0.00	600.74	3851.04	974.68	3773.43	3696.72	1.84	-0.438	0.000	0.174
45.00	-41.69	-8.82	0.00	-555.83	0.00	555.83	2980.94	805.94	3095.97	2842.94	2.33	-0.492	0.000	0.210
50.00	-40.24	-8.65	0.00	-511.72	0.00	511.72	2941.52	787.67	2957.25	2741.34	2.87	-0.545	0.000	0.200
50.50	-40.02	-8.60	0.00	-507.40	0.00	507.40	2937.50	785.85	2943.55	2731.21	2.93	-0.551	0.000	0.200
55.00	-38.75	-8.47	0.00	-468.68	0.00	468.68	2900.79	769.41	2821.71	2640.28	3.47	-0.605	0.000	0.191
60.00	-37.36	-8.31	0.00	-426.33	0.00	426.33	2858.76	751.15	2689.35	2539.83	4.14	-0.664	0.000	0.181
65.00	-36.00	-8.16	0.00	-384.75	0.00	384.75	2815.42	732.89	2560.17	2440.07	4.87	-0.721	0.000	0.171
70.00	-34.66	-8.00	0.00	-343.97	0.00	343.97	2770.78	714.62	2434.17	2341.11	5.65	-0.777	0.000	0.160
75.00	-33.36	-7.83	0.00	-303.99	0.00	303.99	2724.84	696.36	2311.35	2243.01	6.50	-0.830	0.000	0.148
79.00	-32.33	-7.69	0.00	-272.66	0.00	272.66	2687.14	681.75	2215.38	2165.21	7.21	-0.871	0.000	0.138
80.00	-31.95	-7.67	0.00	-264.97	0.00	264.97	2677.59	678.10	2191.70	2145.86	7.39	-0.881	0.000	0.136
84.00	-30.43	-7.52	0.00	-234.30	0.00	234.30	1954.67	538.62	1728.53	1557.78	8.15	-0.919	0.000	0.166
85.00	-25.08	-6.80	0.00	-226.78	0.00	226.78	1948.85	535.70	1709.83	1544.66	8.34	-0.929	0.000	0.160
90.00	-24.00	-6.64	0.00	-192.77	0.00	192.77	1918.95	521.09	1617.84	1479.22	9.34	-0.981	0.000	0.143
95.00	-22.94	-6.47	0.00	-159.59	0.00	159.59	1887.76	506.48	1528.39	1414.10	10.40	-1.029	0.000	0.125
99.50	-18.22	-5.28	0.00	-130.49	0.00	130.49	1858.56	493.33	1450.06	1355.84	11.39	-1.067	0.000	0.106
100.00	-18.12	-5.27	0.00	-127.85	0.00	127.85	1855.26	491.87	1441.49	1349.39	11.50	-1.071	0.000	0.105
105.00	-17.16	-5.10	0.00	-101.51	0.00	101.51	1821.45	477.26	1357.13	1285.18	12.64	-1.108	0.000	0.089
109.00	-12.96	-4.13	0.00	-81.13	0.00	81.13	1793.47	465.57	1291.47	1234.22	13.58	-1.134	0.000	0.073
110.00	-12.78	-4.10	0.00	-76.99	0.00	76.99	1786.34	462.65	1275.31	1221.54	13.82	-1.140	0.000	0.070
115.00	-11.88	-3.93	0.00	-56.49	0.00	56.49	1749.93	448.04	1196.04	1158.57	15.03	-1.166	0.000	0.056
118.50	-3.70	-2.27	0.00	-42.74	0.00	42.74	1723.66	437.82	1142.06	1114.93	15.89	-1.181	0.000	0.041
120.00	-3.45	-2.23	0.00	-39.33	0.00	39.33	1712.21	433.43	1119.31	1096.35	16.26	-1.186	0.000	0.038
120.00	-3.45	-2.23	0.00	-39.33	0.00	39.33	1141.82	325.73	842.86	734.06	16.26	-1.186	0.000	0.057
125.00	-2.77	-2.06	0.00	-28.20	0.00	28.20	1122.14	314.77	787.10	696.99	17.51	-1.202	0.000	0.043
130.00	-2.12	-1.90	0.00	-17.89	0.00	17.89	1101.16	303.81	733.26	660.01	18.78	-1.218	0.000	0.029
135.00	-1.48	-1.75	0.00	-8.37	0.00	8.37	1078.87	292.85	681.32	623.18	20.06	-1.228	0.000	0.015
136.50	-1.50	-0.53	0.00	-5.06	0.00	5.06	1071.93	289.57	666.11	612.17	20.45	-1.230	0.000	0.010
140.00	-1.09	-0.43	0.00	-3.19	0.00	3.19	1055.28	281.90	631.29	586.59	21.35	-1.233	0.000	0.006
145.00	-0.54	-0.28	0.00	-1.05	0.00	1.05	1030.38	270.94	583.16	550.33	22.64	-1.235	0.000	0.002
147.00	-0.26	-0.14	0.00	-0.49	0.00	0.49	1020.06	266.56	564.45	535.94	23.16	-1.235	0.000	0.001
148.00	0.00	-0.14	0.00	-0.35	0.00	0.35	1014.82	264.37	555.21	528.78	23.42	-1.235	0.000	0.001

Seismic Segment Forces (Factored)

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 27

Load Case:	1.2D + 1.0Ev + 1.0Eh							**Iterations**	20
Gust Response Factor	1.10				**Sds**	0.22		**Ss**	0.21
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.34		**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	
5.00		1287.6	2.50	56.59	0.01	
10.00		1266.3	7.50	55.65	0.08	
15.00		1245.1	12.50	54.72	0.22	
20.00		1223.8	17.50	53.78	0.42	
25.00		1202.6	22.50	52.85	0.67	
30.00		1181.3	27.50	51.92	0.97	
35.00		1160.1	32.50	50.98	1.30	
39.00	Bot - Section 2	912.81	37.00	40.11	1.04	
40.00		386.24	39.50	16.97	0.21	
45.00	Top - Section 1	1907.8	42.50	83.84	6.01	
50.00		955.82	47.50	42.01	1.89	
50.50	Appurtenance(s)	135.61	50.25	5.96	0.04	
55.00		842.65	52.75	37.03	1.81	
60.00		919.45	57.50	40.41	2.56	
65.00		901.75	62.50	39.63	2.90	
70.00		884.05	67.50	38.85	3.26	
75.00		866.34	72.50	38.07	3.61	
79.00	Bot - Section 3	680.33	77.00	29.90	2.51	
80.00		275.29	79.50	12.10	0.44	
84.00	Top - Section 2	1088.4	82.00	47.83	7.28	
85.00	Appurtenance(s)	2518.5	84.50	110.68	41.42	
90.00		686.86	87.50	30.19	3.30	
95.00		672.69	92.50	29.56	3.54	
99.50	Appurtenance(s)	2549.7	97.25	112.05	56.23	
100.00		60.46	99.75	2.66	0.03	
105.00		596.84	102.50	26.23	3.42	
109.00	Appurtenance(s)	2387.6	107.00	104.93	59.69	
110.00		112.24	109.50	4.93	0.14	
115.00		552.68	112.50	24.29	3.54	
118.50	Appurtenance(s)	4044.8	116.75	177.76	203.93	
120.00	Top - Section 3	145.38	119.25	6.39	0.27	
125.00		372.75	122.50	16.38	1.91	
130.00		362.12	127.50	15.91	1.95	
135.00		351.50	132.50	15.45	1.98	
136.50	Appurtenance(s)	4099.3	135.75	180.15	283.19	
140.00		213.42	138.25	9.38	0.80	
145.00		282.09	142.50	12.40	1.48	
147.00	Appurtenance(s)	155.86	146.00	6.85	0.47	
148.00	Appurtenance(s)	121.17	147.50	5.33	0.29	
	Totals:	**39,609.8**		**1,740.7**	**704.8**	**Total Wind:** **35,320.0**

Calculated Forces

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 28

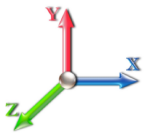
Load Case:	1.2D + 1.0Ev + 1.0Eh							**Iterations**	20
Gust Response Factor	1.10				**Sds**	0.22		**Ss**	0.21
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.34		**SA**	0.03	**Seismic Importance Factor**		1.00

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	-48.41	-0.71	0.00	-86.74	0.00	86.74	4270.00	1150.00	5253.00	4842.06		0.00	0.00	0.029
5.00	-46.84	-0.71	0.00	-83.21	0.00	83.21	4222.20	1128.08	5054.70	4695.99		0.00	0.00	0.029
10.00	-45.30	-0.71	0.00	-79.66	0.00	79.66	4173.09	1106.17	4860.22	4550.58		0.01	-0.01	0.028
15.00	-43.79	-0.72	0.00	-76.10	0.00	76.10	4122.67	1084.25	4669.55	4405.92		0.02	-0.01	0.028
20.00	-42.30	-0.72	0.00	-72.52	0.00	72.52	4070.95	1062.34	4482.70	4262.08		0.04	-0.02	0.027
25.00	-40.84	-0.72	0.00	-68.92	0.00	68.92	4017.93	1040.42	4299.66	4119.16		0.06	-0.02	0.027
30.00	-39.41	-0.72	0.00	-65.31	0.00	65.31	3963.61	1018.51	4120.43	3977.23		0.09	-0.03	0.026
35.00	-38.00	-0.72	0.00	-61.70	0.00	61.70	3907.97	996.59	3945.02	3836.39		0.13	-0.04	0.026
39.00	-36.90	-0.72	0.00	-58.80	0.00	58.80	3862.53	979.06	3807.44	3724.55		0.16	-0.04	0.025
40.00	-36.43	-0.73	0.00	-58.08	0.00	58.08	3851.04	974.68	3773.43	3696.72		0.17	-0.04	0.025
45.00	-34.09	-0.72	0.00	-54.45	0.00	54.45	2980.94	805.94	3095.97	2842.94		0.21	-0.05	0.031
50.00	-32.94	-0.72	0.00	-50.84	0.00	50.84	2941.52	787.67	2957.25	2741.34		0.26	-0.05	0.030
50.50	-32.77	-0.72	0.00	-50.48	0.00	50.48	2937.50	785.85	2943.55	2731.21		0.27	-0.05	0.030
55.00	-31.76	-0.72	0.00	-47.23	0.00	47.23	2900.79	769.41	2821.71	2640.28		0.32	-0.06	0.029
60.00	-30.65	-0.72	0.00	-43.63	0.00	43.63	2858.76	751.15	2689.35	2539.83		0.38	-0.06	0.028
65.00	-29.56	-0.72	0.00	-40.02	0.00	40.02	2815.42	732.89	2560.17	2440.07		0.45	-0.07	0.027
70.00	-28.50	-0.72	0.00	-36.42	0.00	36.42	2770.78	714.62	2434.17	2341.11		0.53	-0.07	0.026
75.00	-27.46	-0.72	0.00	-32.82	0.00	32.82	2724.84	696.36	2311.35	2243.01		0.61	-0.08	0.025
79.00	-26.64	-0.71	0.00	-29.96	0.00	29.96	2687.14	681.75	2215.38	2165.21		0.68	-0.08	0.024
80.00	-26.31	-0.71	0.00	-29.25	0.00	29.25	2677.59	678.10	2191.70	2145.86		0.69	-0.09	0.023
84.00	-24.98	-0.71	0.00	-26.39	0.00	26.39	1954.67	538.62	1728.53	1557.78		0.77	-0.09	0.030
85.00	-21.86	-0.66	0.00	-25.68	0.00	25.68	1948.85	535.70	1709.83	1544.66		0.79	-0.09	0.028
90.00	-21.04	-0.66	0.00	-22.38	0.00	22.38	1918.95	521.09	1617.84	1479.22		0.89	-0.10	0.026
95.00	-20.23	-0.66	0.00	-19.09	0.00	19.09	1887.76	506.48	1528.39	1414.10		0.99	-0.10	0.024
99.50	-17.09	-0.59	0.00	-16.14	0.00	16.14	1858.56	493.33	1450.06	1355.84		1.09	-0.11	0.021
100.00	-17.02	-0.59	0.00	-15.84	0.00	15.84	1855.26	491.87	1441.49	1349.39		1.10	-0.11	0.021
105.00	-16.30	-0.59	0.00	-12.87	0.00	12.87	1821.45	477.26	1357.13	1285.18		1.22	-0.11	0.019
109.00	-13.35	-0.53	0.00	-10.50	0.00	10.50	1793.47	465.57	1291.47	1234.22		1.31	-0.12	0.016
110.00	-13.22	-0.53	0.00	-9.98	0.00	9.98	1786.34	462.65	1275.31	1221.54		1.34	-0.12	0.016
115.00	-12.55	-0.52	0.00	-7.34	0.00	7.34	1749.93	448.04	1196.04	1158.57		1.46	-0.12	0.014
118.50	-7.54	-0.31	0.00	-5.52	0.00	5.52	1723.66	437.82	1142.06	1114.93		1.55	-0.12	0.009
120.00	-7.36	-0.31	0.00	-5.06	0.00	5.06	1712.21	433.43	1119.31	1096.35		1.59	-0.12	0.009
120.00	-7.36	-0.31	0.00	-5.06	0.00	5.06	1141.82	325.73	842.86	734.06		1.59	-0.12	0.013
125.00	-6.91	-0.30	0.00	-3.52	0.00	3.52	1122.14	314.77	787.10	696.99		1.72	-0.12	0.011
130.00	-6.47	-0.30	0.00	-2.00	0.00	2.00	1101.16	303.81	733.26	660.01		1.85	-0.13	0.009
135.00	-6.05	-0.30	0.00	-0.49	0.00	0.49	1078.87	292.85	681.32	623.18		1.98	-0.13	0.006
136.50	-0.95	0.00	0.00	-0.04	0.00	0.04	1071.93	289.57	666.11	612.17		2.02	-0.13	0.001
140.00	-0.69	0.00	0.00	-0.02	0.00	0.02	1055.28	281.90	631.29	586.59		2.12	-0.13	0.001
145.00	-0.34	0.00	0.00	0.00	0.00	0.00	1030.38	270.94	583.16	550.33		2.25	-0.13	0.000
147.00	-0.15	0.00	0.00	0.00	0.00	0.00	1020.06	266.56	564.45	535.94		2.30	-0.13	0.000
148.00	0.00	0.00	0.00	0.00	0.00	0.00	1014.82	264.37	555.21	528.78		2.33	-0.13	0.000

Seismic Segment Forces (Factored)

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 29

Load Case:	0.9D + 1.0Ev + 1.0Eh							**Iterations**	20
Gust Response Factor	1.10				**Sds**	0.22		**Ss**	0.21
Dead Load Factor	0.90	**Seismic Load Factor**	1.00		**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.34		**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	
5.00		1241.7	2.50	54.57	0.01	
10.00		1220.5	7.50	53.64	0.08	
15.00		1199.2	12.50	52.70	0.21	
20.00		1178.0	17.50	51.77	0.39	
25.00		1156.7	22.50	50.84	0.63	
30.00		1135.5	27.50	49.90	0.91	
35.00		1114.2	32.50	48.97	1.22	
39.00	Bot - Section 2	876.14	37.00	38.50	0.98	
40.00		377.07	39.50	16.57	0.21	
45.00	Top - Section 1	1861.9	42.50	81.83	5.82	
50.00		909.98	47.50	39.99	1.74	
50.50	Appurtenance(s)	131.02	50.25	5.76	0.04	
55.00		801.61	52.75	35.23	1.66	
60.00		873.85	57.50	38.40	2.35	
65.00		856.15	62.50	37.62	2.66	
70.00		838.45	67.50	36.85	2.98	
75.00		820.74	72.50	36.07	3.29	
79.00	Bot - Section 3	643.85	77.00	28.29	2.28	
80.00		266.17	79.50	11.70	0.42	
84.00	Top - Section 2	1051.9	82.00	46.23	6.91	
85.00	Appurtenance(s)	2509.4	84.50	110.28	41.77	
90.00		643.21	87.50	28.27	2.94	
95.00		629.04	92.50	27.64	3.15	
99.50	Appurtenance(s)	2510.4	97.25	110.32	55.37	
100.00		57.29	99.75	2.52	0.03	
105.00		565.07	102.50	24.83	3.12	
109.00	Appurtenance(s)	2362.2	107.00	103.81	59.36	
110.00		106.67	109.50	4.69	0.13	
115.00		524.87	112.50	23.07	3.24	
118.50	Appurtenance(s)	4025.3	116.75	176.90	205.19	
120.00	Top - Section 3	140.71	119.25	6.18	0.26	
125.00		357.18	122.50	15.70	1.78	
130.00		346.55	127.50	15.23	1.81	
135.00		335.93	132.50	14.76	1.84	
136.50	Appurtenance(s)	4094.6	135.75	179.95	287.05	
140.00		208.54	138.25	9.16	0.77	
145.00		278.56	142.50	12.24	1.46	
147.00	Appurtenance(s)	154.45	146.00	6.79	0.47	
148.00	Appurtenance(s)	120.62	147.50	5.30	0.29	
	Totals:	**38,526.0**		**1,693.1**	**704.8**	**Total Wind:** **35,320.0**

Calculated Forces

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 30

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.22			**Iterations**	20
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.21
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.34	**SA**	0.03			**S1**	0.06
								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	-36.69	-0.70	0.00	-86.11	0.00	86.11	4270.00	1150.00	5253.00	4842.06		0.00	0.00	0.026
5.00	-35.51	-0.71	0.00	-82.58	0.00	82.58	4222.20	1128.08	5054.70	4695.99		0.00	0.00	0.026
10.00	-34.34	-0.71	0.00	-79.04	0.00	79.04	4173.09	1106.17	4860.22	4550.58		0.01	-0.01	0.026
15.00	-33.19	-0.71	0.00	-75.49	0.00	75.49	4122.67	1084.25	4669.55	4405.92		0.02	-0.01	0.025
20.00	-32.07	-0.72	0.00	-71.92	0.00	71.92	4070.95	1062.34	4482.70	4262.08		0.04	-0.02	0.025
25.00	-30.96	-0.72	0.00	-68.35	0.00	68.35	4017.93	1040.42	4299.66	4119.16		0.06	-0.02	0.024
30.00	-29.88	-0.72	0.00	-64.76	0.00	64.76	3963.61	1018.51	4120.43	3977.23		0.09	-0.03	0.024
35.00	-28.81	-0.72	0.00	-61.17	0.00	61.17	3907.97	996.59	3945.02	3836.39		0.13	-0.03	0.023
39.00	-27.97	-0.72	0.00	-58.30	0.00	58.30	3862.53	979.06	3807.44	3724.55		0.16	-0.04	0.023
40.00	-27.61	-0.72	0.00	-57.58	0.00	57.58	3851.04	974.68	3773.43	3696.72		0.17	-0.04	0.023
45.00	-25.84	-0.71	0.00	-53.99	0.00	53.99	2980.94	805.94	3095.97	2842.94		0.21	-0.05	0.028
50.00	-24.97	-0.71	0.00	-50.41	0.00	50.41	2941.52	787.67	2957.25	2741.34		0.26	-0.05	0.027
50.50	-24.84	-0.71	0.00	-50.06	0.00	50.06	2937.50	785.85	2943.55	2731.21		0.27	-0.05	0.027
55.00	-24.08	-0.71	0.00	-46.84	0.00	46.84	2900.79	769.41	2821.71	2640.28		0.32	-0.06	0.026
60.00	-23.24	-0.71	0.00	-43.27	0.00	43.27	2858.76	751.15	2689.35	2539.83		0.38	-0.06	0.025
65.00	-22.42	-0.71	0.00	-39.70	0.00	39.70	2815.42	732.89	2560.17	2440.07		0.45	-0.07	0.024
70.00	-21.61	-0.71	0.00	-36.14	0.00	36.14	2770.78	714.62	2434.17	2341.11		0.52	-0.07	0.023
75.00	-20.82	-0.71	0.00	-32.58	0.00	32.58	2724.84	696.36	2311.35	2243.01		0.60	-0.08	0.022
79.00	-20.20	-0.71	0.00	-29.75	0.00	29.75	2687.14	681.75	2215.38	2165.21		0.67	-0.08	0.021
80.00	-19.95	-0.71	0.00	-29.04	0.00	29.04	2677.59	678.10	2191.70	2145.86		0.69	-0.09	0.021
84.00	-18.94	-0.70	0.00	-26.22	0.00	26.22	1954.67	538.62	1728.53	1557.78		0.76	-0.09	0.027
85.00	-16.57	-0.65	0.00	-25.52	0.00	25.52	1948.85	535.70	1709.83	1544.66		0.78	-0.09	0.025
90.00	-15.95	-0.65	0.00	-22.25	0.00	22.25	1918.95	521.09	1617.84	1479.22		0.88	-0.10	0.023
95.00	-15.35	-0.65	0.00	-18.99	0.00	18.99	1887.76	506.48	1528.39	1414.10		0.98	-0.10	0.022
99.50	-12.96	-0.59	0.00	-16.07	0.00	16.07	1858.56	493.33	1450.06	1355.84		1.08	-0.11	0.019
100.00	-12.91	-0.59	0.00	-15.78	0.00	15.78	1855.26	491.87	1441.49	1349.39		1.09	-0.11	0.019
105.00	-12.37	-0.59	0.00	-12.82	0.00	12.82	1821.45	477.26	1357.13	1285.18		1.21	-0.11	0.017
109.00	-10.13	-0.52	0.00	-10.47	0.00	10.47	1793.47	465.57	1291.47	1234.22		1.30	-0.12	0.014
110.00	-10.03	-0.52	0.00	-9.95	0.00	9.95	1786.34	462.65	1275.31	1221.54		1.33	-0.12	0.014
115.00	-9.52	-0.52	0.00	-7.33	0.00	7.33	1749.93	448.04	1196.04	1158.57		1.45	-0.12	0.012
118.50	-5.72	-0.31	0.00	-5.51	0.00	5.51	1723.66	437.82	1142.06	1114.93		1.54	-0.12	0.008
120.00	-5.58	-0.31	0.00	-5.05	0.00	5.05	1712.21	433.43	1119.31	1096.35		1.58	-0.12	0.008
120.00	-5.58	-0.31	0.00	-5.05	0.00	5.05	1141.82	325.73	842.86	734.06		1.58	-0.12	0.012
125.00	-5.24	-0.30	0.00	-3.52	0.00	3.52	1122.14	314.77	787.10	696.99		1.71	-0.12	0.010
130.00	-4.91	-0.30	0.00	-1.99	0.00	1.99	1101.16	303.81	733.26	660.01		1.84	-0.13	0.007
135.00	-4.59	-0.30	0.00	-0.48	0.00	0.48	1078.87	292.85	681.32	623.18		1.97	-0.13	0.005
136.50	-0.72	0.00	0.00	-0.03	0.00	0.03	1071.93	289.57	666.11	612.17		2.01	-0.13	0.001
140.00	-0.52	0.00	0.00	-0.02	0.00	0.02	1055.28	281.90	631.29	586.59		2.10	-0.13	0.001
145.00	-0.26	0.00	0.00	0.00	0.00	0.00	1030.38	270.94	583.16	550.33		2.23	-0.13	0.000
147.00	-0.11	0.00	0.00	0.00	0.00	0.00	1020.06	266.56	564.45	535.94		2.29	-0.13	0.000
148.00	0.00	0.00	0.00	0.00	0.00	0.00	1014.82	264.37	555.21	528.78		2.31	-0.13	0.000

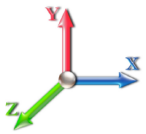
Wind Loading - Shaft

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 31	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

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	6.659	7.32	259.46	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	6.659	7.32	254.55	0.730	0.000	5.00	23.230	16.96	124.2	0.0	1104.2
10.00		1.00	0.85	6.659	7.32	249.64	0.730	0.000	5.00	22.786	16.63	121.8	0.0	1083.0
15.00		1.00	0.85	6.659	7.32	244.73	0.730	0.000	5.00	22.342	16.31	119.5	0.0	1061.8
20.00		1.00	0.90	7.065	7.77	247.03	0.730	0.000	5.00	21.899	15.99	124.2	0.0	1040.5
25.00		1.00	0.95	7.405	8.15	247.72	0.730	0.000	5.00	21.455	15.66	127.6	0.0	1019.3
30.00		1.00	0.98	7.695	8.46	247.24	0.730	0.000	5.00	21.011	15.34	129.8	0.0	998.0
35.00		1.00	1.01	7.948	8.74	245.92	0.730	0.000	5.00	20.567	15.01	131.3	0.0	976.8
39.00	Bot - Section 2	1.00	1.04	8.132	8.94	244.40	0.730	0.000	4.00	16.134	11.78	105.3	0.0	766.1
40.00		1.00	1.04	8.175	8.99	243.96	0.730	0.000	1.00	4.042	2.95	26.5	0.0	349.6
45.00	Top - Section 1	1.00	1.07	8.380	9.22	241.49	0.730	0.000	5.00	19.943	14.56	134.2	0.0	1724.4
50.00		1.00	1.09	8.568	9.43	241.94	0.730	0.000	5.00	19.500	14.23	134.2	0.0	772.5
50.50	Appurtenance(s)	1.00	1.10	8.586	9.44	241.63	0.730	0.000	0.50	1.926	1.41	13.3	0.0	76.3
55.00		1.00	1.12	8.742	9.62	238.75	0.730	0.000	4.50	17.130	12.51	120.2	0.0	678.5
60.00		1.00	1.14	8.903	9.79	235.27	0.730	0.000	5.00	18.612	13.59	133.1	0.0	737.1
65.00		1.00	1.16	9.055	9.96	231.53	0.730	0.000	5.00	18.168	13.26	132.1	0.0	719.4
70.00		1.00	1.17	9.197	10.12	227.57	0.730	0.000	5.00	17.724	12.94	130.9	0.0	701.6
75.00		1.00	1.19	9.332	10.26	223.42	0.730	0.000	5.00	17.280	12.61	129.5	0.0	683.9
79.00	Bot - Section 3	1.00	1.20	9.434	10.38	219.96	0.730	0.000	4.00	13.504	9.86	102.3	0.0	534.4
80.00		1.00	1.21	9.459	10.41	219.09	0.730	0.000	1.00	3.374	2.46	25.6	0.0	238.8
84.00	Top - Section 2	1.00	1.22	9.557	10.51	215.51	0.730	0.000	4.00	13.319	9.72	102.2	0.0	942.5
85.00	Appurtenance(s)	1.00	1.22	9.581	10.54	217.40	0.730	0.000	1.00	3.285	2.40	25.3	0.0	104.2
90.00		1.00	1.24	9.697	10.67	212.79	0.730	0.000	5.00	16.160	11.80	125.8	0.0	512.3
95.00		1.00	1.25	9.808	10.79	208.04	0.730	0.000	5.00	15.716	11.47	123.8	0.0	498.1
99.50	Appurtenance(s)	1.00	1.26	9.904	10.89	203.67	0.730	0.000	4.50	13.765	10.05	109.5	0.0	436.2
100.00		1.00	1.27	9.914	10.91	203.18	0.730	0.000	0.50	1.507	1.10	12.0	0.0	47.8
105.00		1.00	1.28	10.017	11.02	198.20	0.730	0.000	5.00	14.828	10.82	119.3	0.0	469.8
109.00	Appurtenance(s)	1.00	1.29	10.096	11.11	194.14	0.730	0.000	4.00	11.543	8.43	93.6	0.0	365.6
110.00		1.00	1.29	10.115	11.13	193.12	0.730	0.000	1.00	2.841	2.07	23.1	0.0	90.0
115.00		1.00	1.30	10.210	11.23	187.95	0.730	0.000	5.00	13.941	10.18	114.3	0.0	441.4
118.50	Appurtenance(s)	1.00	1.31	10.275	11.30	184.27	0.730	0.000	3.50	9.494	6.93	78.3	0.0	300.6
120.00	Top - Section 3	1.00	1.32	10.302	11.33	182.68	0.730	0.000	1.50	4.002	2.92	33.1	0.0	126.7
125.00		1.00	1.33	10.391	11.43	177.33	0.730	0.000	5.00	13.053	9.53	108.9	0.0	310.5
130.00		1.00	1.34	10.477	11.53	171.91	0.730	0.000	5.00	12.609	9.20	106.1	0.0	299.8
135.00		1.00	1.35	10.561	11.62	166.41	0.730	0.000	5.00	12.165	8.88	103.2	0.0	289.2
136.50	Appurtenance(s)	1.00	1.35	10.586	11.64	164.74	0.730	0.000	1.50	3.563	2.60	30.3	0.0	84.7
140.00		1.00	1.36	10.642	11.71	160.83	0.730	0.000	3.50	8.158	5.96	69.7	0.0	193.9
145.00		1.00	1.37	10.721	11.79	155.20	0.730	0.000	5.00	11.277	8.23	97.1	0.0	268.0
147.00	Appurtenance(s)	1.00	1.37	10.752	11.83	152.93	0.730	0.000	2.00	4.387	3.20	37.9	0.0	104.2
148.00	Appurtenance(s)	1.00	1.37	10.767	11.84	151.79	0.730	0.000	1.00	2.167	1.58	18.7	0.0	51.5
								Totals:	**148.00**			**3,597.7**		**21,202.9**

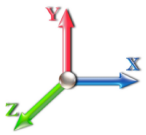
Discrete Appurtenance Forces

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 32	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

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	148.00	Pipe Mount	1	10.798	11.878	1.00	1.00	2.63	40.00	0.000	2.000	31.24	0.00	62.48
2	148.00	DB-TDD6492A-A	1	10.843	11.927	1.00	1.00	2.41	21.00	0.000	5.000	28.74	0.00	143.72
3	148.00	6' Lightning rod	1	10.813	11.894	1.00	1.00	0.38	6.50	0.000	3.000	4.52	0.00	13.56
4	147.00	Trombone	1	10.752	11.827	1.00	1.00	1.00	6.00	0.000	0.000	11.83	0.00	0.00
5	147.00	Standoff	1	10.752	11.827	1.00	1.00	2.63	40.00	0.000	0.000	31.11	0.00	0.00
6	136.50	Samsung RF4439d-25A	3	10.602	11.662	0.53	0.75	2.99	224.10	0.000	1.000	34.84	0.00	34.84
7	136.50	Swedcom SC-E 6014	3	10.602	11.662	0.73	0.75	7.34	45.00	0.000	1.000	85.63	0.00	85.63
8	136.50	JMA Wireless	6	10.602	11.662	0.65	0.75	38.64	360.00	0.000	1.000	450.63	0.00	450.63
9	136.50	Samsung MT6407-77A	3	10.602	11.662	0.52	0.75	7.40	261.30	0.000	1.000	86.33	0.00	86.33
10	136.50	Commscope	3	10.602	11.662	0.53	0.75	3.13	158.73	0.000	1.000	36.51	0.00	36.51
11	136.50	Commscope	1	10.602	11.662	0.75	0.75	1.40	15.21	0.000	1.000	16.36	0.00	16.36
12	136.50	Low Profile Platform w/	1	10.586	11.644	1.00	1.00	24.70	2290.25	0.000	0.000	287.61	0.00	0.00
13	136.50	Kaelus KA-6030	4	10.602	11.662	0.75	0.75	2.88	70.40	0.000	1.000	33.59	0.00	33.59
14	136.50	Mount Pipes	12	10.586	11.644	0.75	0.75	11.79	360.00	0.000	0.000	137.28	0.00	0.00
15	136.50	Samsung RF4440d-13A	3	10.602	11.662	0.60	0.75	3.37	210.99	0.000	1.000	39.25	0.00	39.25
16	118.50	Kathrein 800-10965	6	10.275	11.303	0.53	0.75	44.12	651.60	0.000	0.000	498.70	0.00	0.00
17	118.50	Low Profile Platform	1	10.275	11.303	1.00	1.00	22.00	1500.00	0.000	0.000	248.66	0.00	0.00
18	118.50	Raycap DC6-48-60-18-8F	2	10.275	11.303	0.56	0.75	1.04	65.60	0.000	0.000	11.70	0.00	0.00
19	118.50	RRH Collar Mount	1	10.275	11.303	0.56	0.75	2.81	250.00	0.000	0.000	31.79	0.00	0.00
20	118.50	SitePro Sitepro 1 P/N	1	10.275	11.303	1.00	1.00	9.75	406.61	0.000	0.000	110.20	0.00	0.00
21	118.50	Ericsson 4449 B5/B12	3	10.275	11.303	0.50	0.75	2.97	213.00	0.000	0.000	33.57	0.00	0.00
22	118.50	Ericsson RRUS 8843 B2	3	10.275	11.303	0.50	0.75	2.47	210.00	0.000	0.000	27.94	0.00	0.00
23	118.50	Pipe Mast	3	10.275	11.303	0.56	0.75	2.62	180.00	0.000	0.000	29.56	0.00	0.00
24	118.50	Powerwave LGP21401	6	10.275	11.303	0.52	0.75	4.06	84.60	0.000	0.000	45.93	0.00	0.00
25	118.50	Powerwave 7770	3	10.275	11.303	0.55	0.75	9.03	105.00	0.000	0.000	102.10	0.00	0.00
26	109.00	T-Arms w/ Working	3	10.096	11.105	0.56	0.75	20.25	1050.00	0.000	0.000	224.89	0.00	0.00
27	109.00	RFS ACU-A20-N - RET	4	10.096	11.105	0.40	0.80	0.22	4.00	0.000	0.000	2.49	0.00	0.00
28	109.00	ALU TD-RRH8x20 - RRU	3	10.096	11.105	0.54	0.80	6.51	210.00	0.000	0.000	72.32	0.00	0.00
29	109.00	ALU 800MHz RRH Filter	3	10.096	11.105	0.54	0.80	1.25	26.40	0.000	0.000	13.93	0.00	0.00
30	109.00	ALU 800 MHz RRH - RRU	3	10.096	11.105	0.54	0.80	4.00	159.00	0.000	0.000	44.47	0.00	0.00
31	109.00	ALU 1900MHz RRH - RRU	3	10.096	11.105	0.54	0.80	6.11	132.00	0.000	0.000	67.86	0.00	0.00
32	109.00	RFS APXVTM14-C-I20	3	10.096	11.105	0.68	0.80	12.93	168.00	0.000	0.000	143.63	0.00	0.00
33	109.00	RFS APXVSPP18-C-A20	3	10.096	11.105	0.66	0.80	15.98	171.00	0.000	0.000	177.42	0.00	0.00
34	99.50	RR65-18-00DPL2	6	9.904	10.894	0.68	0.80	17.79	81.00	0.000	0.000	193.80	0.00	0.00
35	99.50	RFS	3	9.904	10.894	0.67	0.80	10.42	79.20	0.000	0.000	113.55	0.00	0.00
36	99.50	Platform w/ Hand Rail	1	9.904	10.894	1.00	1.00	32.00	1600.00	0.000	0.000	348.62	0.00	0.00
37	99.50	RFS ATMAA1412D-1A2 -	3	9.904	10.894	0.56	0.80	1.97	39.00	0.000	0.000	21.41	0.00	0.00
38	99.50	Commscope	3	9.904	10.894	0.64	0.80	22.02	149.40	0.000	0.000	239.92	0.00	0.00
39	99.50	Kathrein 782 11054 - Bias	3	9.904	10.894	0.56	0.80	0.47	7.80	0.000	0.000	5.12	0.00	0.00
40	85.00	Platform w/HRK	1	9.581	10.539	1.00	1.00	22.92	1727.00	0.000	0.000	241.55	0.00	0.00
41	85.00	Raycap	1	9.581	10.539	0.80	0.80	1.61	21.85	0.000	0.000	16.95	0.00	0.00
42	85.00	Fujitsu TA08025-B604	3	9.581	10.539	0.61	0.80	3.58	191.79	0.000	0.000	37.68	0.00	0.00
43	85.00	Fujitsu TA08025-B605	3	9.581	10.539	0.64	0.80	3.76	224.85	0.000	0.000	39.66	0.00	0.00
44	85.00	Commscope	3	9.581	10.539	0.58	0.80	21.50	212.40	0.000	0.000	226.56	0.00	0.00
45	50.50	3 ft Standoff	1	8.586	9.445	1.00	1.00	2.63	40.00	0.000	0.000	24.84	0.00	0.00
46	50.50	Decibel 260B GPS	1	8.586	9.445	1.00	1.00	0.09	1.00	0.000	0.000	0.85	0.00	0.00
							Totals:		**14,071.58**			**4,713.12**		

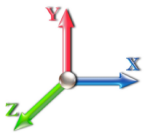
Total Applied Force Summary

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 33

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

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
5.00		124.21	1257.04	0.00	0.00
10.00		121.83	1235.80	0.00	0.00
15.00		119.46	1214.55	0.00	0.00
20.00		124.23	1193.31	0.00	0.00
25.00		127.57	1172.06	0.00	0.00
30.00		129.82	1150.82	0.00	0.00
35.00		131.27	1129.57	0.00	0.00
39.00		105.35	888.36	0.00	0.00
40.00		26.53	380.12	0.00	0.00
45.00		134.21	1877.25	0.00	0.00
50.00		134.16	925.26	0.00	0.00
50.50	(2) attachments	38.97	132.55	0.00	0.00
55.00		120.25	815.29	0.00	0.00
60.00		133.06	889.05	0.00	0.00
65.00		132.10	871.35	0.00	0.00
70.00		130.90	853.65	0.00	0.00
75.00		129.49	835.94	0.00	0.00
79.00		102.31	656.01	0.00	0.00
80.00		25.63	269.21	0.00	0.00
84.00		102.21	1064.11	0.00	0.00
85.00	(11) attachments	587.67	2512.44	0.00	0.00
90.00		125.83	657.76	0.00	0.00
95.00		123.78	643.59	0.00	0.00
99.50	(19) attachments	1031.89	2523.52	0.00	0.00
100.00		12.00	58.35	0.00	0.00
105.00		119.27	575.66	0.00	0.00
109.00	(25) attachments	840.58	2370.73	0.00	0.00
110.00		23.08	108.53	0.00	0.00
115.00		114.30	534.14	0.00	0.00
118.50	(29) attachments	1218.49	4031.88	0.00	0.00
120.00		33.11	142.27	0.00	0.00
125.00		108.91	362.37	0.00	0.00
130.00		106.08	351.74	0.00	0.00
135.00		103.16	341.12	0.00	0.00
136.50	(39) attachments	1238.32	4096.24	0.00	783.14
140.00		69.72	210.17	0.00	0.00
145.00		97.09	279.74	0.00	0.00
147.00	(2) attachments	80.81	154.92	0.00	0.00
148.00	(3) attachments	83.24	120.80	0.00	219.76
	Totals:	**8,310.87**	**38,887.28**	**0.00**	**1,002.90**

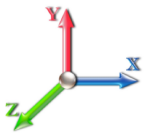
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 34	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

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)
5.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	6.659	0.00	1.37
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	6.659	0.00	5.20
5.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.030	0.000	6.659	0.00	0.80
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	6.659	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	6.659	0.00	5.20
10.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.030	0.000	6.659	0.00	0.80
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.031	0.000	6.659	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.031	0.000	6.659	0.00	5.20
15.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.031	0.000	6.659	0.00	0.80
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	7.065	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	7.065	0.00	5.20
20.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.032	0.000	7.065	0.00	0.80
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	7.405	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	7.405	0.00	5.20
25.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.032	0.000	7.405	0.00	0.80
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	7.695	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	7.695	0.00	5.20
30.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.033	0.000	7.695	0.00	0.80
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	7.948	0.00	1.37
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	7.948	0.00	5.20
35.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.034	0.000	7.948	0.00	0.80
39.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.034	0.000	8.132	0.00	1.09
39.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.034	0.000	8.132	0.00	4.16
39.00	1/2" Coax	Yes	4.00	0.000	0.65	0.22	0.00	0.034	0.000	8.132	0.00	0.64
40.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.035	0.000	8.175	0.00	0.27
40.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.035	0.000	8.175	0.00	1.04
40.00	1/2" Coax	Yes	1.00	0.000	0.65	0.05	0.00	0.035	0.000	8.175	0.00	0.16
45.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	8.380	0.00	1.37
45.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	8.380	0.00	5.20
45.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.035	0.000	8.380	0.00	0.80
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	8.568	0.00	1.37
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	8.568	0.00	5.20
50.00	1/2" Coax	Yes	5.00	0.000	0.65	0.27	0.00	0.035	0.000	8.568	0.00	0.80
50.50	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.036	0.000	8.586	0.00	0.14
50.50	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.036	0.000	8.586	0.00	0.52
50.50	1/2" Coax	Yes	0.50	0.000	0.65	0.03	0.00	0.036	0.000	8.586	0.00	0.08
55.00	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.022	0.000	8.742	0.00	1.23
55.00	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.022	0.000	8.742	0.00	4.68
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	8.903	0.00	1.37
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	8.903	0.00	5.20
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	9.055	0.00	1.37
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	9.055	0.00	5.20
70.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	9.197	0.00	1.37
70.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	9.197	0.00	5.20
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	9.332	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	9.332	0.00	5.20
79.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.025	0.000	9.434	0.00	1.09

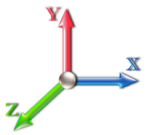
Linear Appurtenance Segment Forces (Factored)

Structure:	CT13057-A	**Code:**	TIA-222-H	10/6/2023	
Site Name:	Newtown	**Exposure:**	C		
Height:	148.00 (ft)	**Crest Height:**	0.00		
Base Elev:	0.000 (ft)	**Site Class:**	D - Stiff Soil		
Gh:	1.1 **Topography:** 1	**Struct Class:**	II	Page: 35	

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

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)
79.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.025	0.000	9.434	0.00	4.16
80.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.025	0.000	9.459	0.00	0.27
80.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.025	0.000	9.459	0.00	1.04
84.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.026	0.000	9.557	0.00	1.09
84.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.026	0.000	9.557	0.00	4.16
85.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.026	0.000	9.581	0.00	0.27
85.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.026	0.000	9.581	0.00	1.04
90.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	9.697	0.00	1.37
90.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	9.697	0.00	5.20
95.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	9.808	0.00	1.37
95.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	9.808	0.00	5.20
99.50	Safety Cable	Yes	4.50	0.000	0.38	0.14	0.00	0.028	0.000	9.904	0.00	1.23
99.50	Step bolts (ladder)	Yes	4.50	0.000	0.63	0.24	0.00	0.028	0.000	9.904	0.00	4.68
100.00	Safety Cable	Yes	0.50	0.000	0.38	0.02	0.00	0.028	0.000	9.914	0.00	0.14
100.00	Step bolts (ladder)	Yes	0.50	0.000	0.63	0.03	0.00	0.028	0.000	9.914	0.00	0.52
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.028	0.000	10.017	0.00	1.37
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.028	0.000	10.017	0.00	5.20
109.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	10.096	0.00	1.09
109.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	10.096	0.00	4.16
110.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.030	0.000	10.115	0.00	0.27
110.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.030	0.000	10.115	0.00	1.04
115.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	10.210	0.00	1.37
115.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	10.210	0.00	5.20
118.50	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.031	0.000	10.275	0.00	0.96
118.50	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.031	0.000	10.275	0.00	3.64
120.00	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.032	0.000	10.302	0.00	0.41
120.00	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.032	0.000	10.302	0.00	1.56
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	10.391	0.00	1.37
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	10.391	0.00	5.20
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.033	0.000	10.477	0.00	1.37
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.033	0.000	10.477	0.00	5.20
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.035	0.000	10.561	0.00	1.37
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.035	0.000	10.561	0.00	5.20
136.50	Safety Cable	Yes	1.50	0.000	0.38	0.05	0.00	0.035	0.000	10.586	0.00	0.41
136.50	Step bolts (ladder)	Yes	1.50	0.000	0.63	0.08	0.00	0.035	0.000	10.586	0.00	1.56
140.00	Safety Cable	Yes	3.50	0.000	0.38	0.11	0.00	0.036	0.000	10.642	0.00	0.96
140.00	Step bolts (ladder)	Yes	3.50	0.000	0.63	0.18	0.00	0.036	0.000	10.642	0.00	3.64
145.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	10.721	0.00	1.37
145.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	10.721	0.00	5.20
147.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.038	0.000	10.752	0.00	0.55
147.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.038	0.000	10.752	0.00	2.08
148.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.039	0.000	10.767	0.00	0.27
148.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.039	0.000	10.767	0.00	1.04
									Totals:		**0.0**	**202.4**

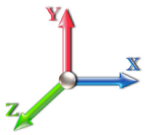
Calculated Forces

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 36

Load Case: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 22

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	-38.88	-8.33	0.00	-827.43	0.00	827.43	4270.00	1150.00	5253.00	4842.06	0.00	0.000	0.000	0.180
5.00	-37.62	-8.23	0.00	-785.81	0.00	785.81	4222.20	1128.08	5054.70	4695.99	0.02	-0.046	0.000	0.176
10.00	-36.38	-8.14	0.00	-744.65	0.00	744.65	4173.09	1106.17	4860.22	4550.58	0.10	-0.092	0.000	0.172
15.00	-35.16	-8.04	0.00	-703.97	0.00	703.97	4122.67	1084.25	4669.55	4405.92	0.22	-0.138	0.000	0.168
20.00	-33.96	-7.94	0.00	-663.75	0.00	663.75	4070.95	1062.34	4482.70	4262.08	0.39	-0.184	0.000	0.164
25.00	-32.78	-7.84	0.00	-624.04	0.00	624.04	4017.93	1040.42	4299.66	4119.16	0.61	-0.230	0.000	0.160
30.00	-31.62	-7.73	0.00	-584.85	0.00	584.85	3963.61	1018.51	4120.43	3977.23	0.87	-0.277	0.000	0.155
35.00	-30.49	-7.61	0.00	-546.21	0.00	546.21	3907.97	996.59	3945.02	3836.39	1.19	-0.323	0.000	0.150
39.00	-29.60	-7.51	0.00	-515.76	0.00	515.76	3862.53	979.06	3807.44	3724.55	1.47	-0.360	0.000	0.146
40.00	-29.21	-7.50	0.00	-508.24	0.00	508.24	3851.04	974.68	3773.43	3696.72	1.55	-0.369	0.000	0.145
45.00	-27.33	-7.37	0.00	-470.74	0.00	470.74	2980.94	805.94	3095.97	2842.94	1.96	-0.415	0.000	0.175
50.00	-26.41	-7.24	0.00	-433.87	0.00	433.87	2941.52	787.67	2957.25	2741.34	2.42	-0.460	0.000	0.167
50.50	-26.27	-7.22	0.00	-430.25	0.00	430.25	2937.50	785.85	2943.55	2731.21	2.47	-0.465	0.000	0.167
55.00	-25.45	-7.11	0.00	-397.78	0.00	397.78	2900.79	769.41	2821.71	2640.28	2.93	-0.511	0.000	0.160
60.00	-24.56	-6.99	0.00	-362.22	0.00	362.22	2858.76	751.15	2689.35	2539.83	3.49	-0.561	0.000	0.151
65.00	-23.68	-6.87	0.00	-327.27	0.00	327.27	2815.42	732.89	2560.17	2440.07	4.11	-0.610	0.000	0.143
70.00	-22.82	-6.75	0.00	-292.93	0.00	292.93	2770.78	714.62	2434.17	2341.11	4.77	-0.657	0.000	0.133
75.00	-21.98	-6.62	0.00	-259.19	0.00	259.19	2724.84	696.36	2311.35	2243.01	5.48	-0.702	0.000	0.124
79.00	-21.33	-6.52	0.00	-232.70	0.00	232.70	2687.14	681.75	2215.38	2165.21	6.09	-0.737	0.000	0.115
80.00	-21.06	-6.50	0.00	-226.18	0.00	226.18	2677.59	678.10	2191.70	2145.86	6.24	-0.746	0.000	0.113
84.00	-19.99	-6.39	0.00	-200.18	0.00	200.18	1954.67	538.62	1728.53	1557.78	6.88	-0.779	0.000	0.139
85.00	-17.48	-5.78	0.00	-193.79	0.00	193.79	1948.85	535.70	1709.83	1544.66	7.05	-0.787	0.000	0.135
90.00	-16.82	-5.65	0.00	-164.91	0.00	164.91	1918.95	521.09	1617.84	1479.22	7.89	-0.831	0.000	0.120
95.00	-16.18	-5.53	0.00	-136.64	0.00	136.64	1887.76	506.48	1528.39	1414.10	8.79	-0.872	0.000	0.105
99.50	-13.67	-4.46	0.00	-111.75	0.00	111.75	1858.56	493.33	1450.06	1355.84	9.63	-0.905	0.000	0.090
100.00	-13.61	-4.46	0.00	-109.52	0.00	109.52	1855.26	491.87	1441.49	1349.39	9.72	-0.909	0.000	0.089
105.00	-13.03	-4.33	0.00	-87.24	0.00	87.24	1821.45	477.26	1357.13	1285.18	10.69	-0.940	0.000	0.075
109.00	-10.68	-3.46	0.00	-69.91	0.00	69.91	1793.47	465.57	1291.47	1234.22	11.49	-0.962	0.000	0.063
110.00	-10.57	-3.43	0.00	-66.45	0.00	66.45	1786.34	462.65	1275.31	1221.54	11.69	-0.968	0.000	0.060
115.00	-10.04	-3.31	0.00	-49.28	0.00	49.28	1749.93	448.04	1196.04	1158.57	12.72	-0.990	0.000	0.048
118.50	-6.02	-2.03	0.00	-37.69	0.00	37.69	1723.66	437.82	1142.06	1114.93	13.45	-1.003	0.000	0.037
120.00	-5.88	-1.99	0.00	-34.65	0.00	34.65	1712.21	433.43	1119.31	1096.35	13.76	-1.008	0.000	0.035
120.00	-5.88	-1.99	0.00	-34.65	0.00	34.65	1141.82	325.73	842.86	734.06	13.76	-1.008	0.000	0.052
125.00	-5.52	-1.88	0.00	-24.69	0.00	24.69	1122.14	314.77	787.10	696.99	14.83	-1.022	0.000	0.040
130.00	-5.17	-1.77	0.00	-15.30	0.00	15.30	1101.16	303.81	733.26	660.01	15.91	-1.036	0.000	0.028
135.00	-4.83	-1.66	0.00	-6.47	0.00	6.47	1078.87	292.85	681.32	623.18	17.00	-1.044	0.000	0.015
136.50	-0.76	-0.34	0.00	-3.20	0.00	3.20	1071.93	289.57	666.11	612.17	17.32	-1.045	0.000	0.006
140.00	-0.55	-0.27	0.00	-2.00	0.00	2.00	1055.28	281.90	631.29	586.59	18.09	-1.047	0.000	0.004
145.00	-0.27	-0.17	0.00	-0.64	0.00	0.64	1030.38	270.94	583.16	550.33	19.19	-1.048	0.000	0.001
147.00	-0.12	-0.09	0.00	-0.31	0.00	0.31	1020.06	266.56	564.45	535.94	19.63	-1.049	0.000	0.001
148.00	0.00	-0.08	0.00	-0.22	0.00	0.22	1014.82	264.37	555.21	528.78	19.85	-1.049	0.000	0.000

Final Analysis Summary

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 37

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 117 mph Wind	35.4	0.00	46.60	0.00	0.00	3535.71
0.9D + 1.0W 117 mph Wind	35.4	0.00	34.94	0.00	0.00	3503.01
1.2D + 1.0Di + 1.0Wi 50 mph Wind	10.0	0.00	58.52	0.00	0.00	983.68
1.2D + 1.0Ev + 1.0Eh	0.7	0.00	48.41	0.00	0.00	86.74
0.9D + 1.0Ev + 1.0Eh	0.7	0.00	36.69	0.00	0.00	86.11
1.0D + 1.0W 60 mph Wind	8.3	0.00	38.88	0.00	0.00	827.43

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 117 mph Wind	-46.60	-35.40	0.00	-3535.7	0.00	-3535.7	4270.00	1150.0	5253.00	4842.06	0.00	0.742
0.9D + 1.0W 117 mph Wind	-34.94	-35.38	0.00	-3503.0	0.00	-3503.0	4270.00	1150.0	5253.00	4842.06	0.00	0.733
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-58.52	-9.99	0.00	-983.68	0.00	-983.68	4270.00	1150.0	5253.00	4842.06	0.00	0.217
1.2D + 1.0Ev + 1.0Eh	-34.09	-0.72	0.00	-54.45	0.00	-54.45	2980.94	805.94	3095.97	2842.94	45.00	0.031
0.9D + 1.0Ev + 1.0Eh	-25.84	-0.71	0.00	-53.99	0.00	-53.99	2980.94	805.94	3095.97	2842.94	45.00	0.028
1.0D + 1.0W 60 mph Wind	-38.88	-8.33	0.00	-827.43	0.00	-827.43	4270.00	1150.0	5253.00	4842.06	0.00	0.180

Base Plate Summary

Structure:	CT13057-A		**Code:**	TIA-222-H	10/6/2023
Site Name:	Newtown		**Exposure:**	C	
Height:	148.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 38

Reactions

Original Design

Moment (kip-ft):	3750.00
Axial (kip):	38.00
Shear (kip):	35.00

Analysis (1.2D + 1.0W)

Moment (kip-ft):	3535.71
Axial (kip):	46.60
Shear (kip):	35.40

Base Plate

Yield (ksi):	55.00
Width (in):	61.00
Style:	Clipped
Polygon Sides:	0.00
Clip Length (in):	10.00
Effective Len (in):	8.16
Moment (kip-in):	571.57
Allow Stress (ksi):	74.25
Applied Stress (ksi):	55.69
Stress Ratio:	0.75

Anchor Bolts

Bolt Circle:	62.00
Number Bolts:	16.00
Bolt Type:	2.25" 18J
Bolt Diameter (in):	2.25
Yield (ksi):	75.00
Ultimate (ksi):	100.00
Arrangement:	Clustered
Cluster Dist (in):	6.00
Start Angle (deg):	45.00

Compression

Force (kip):	174.00
Allowable (kip):	268.39
Ratio:	0.65

Tension

Force (kip):	168.17
Allowable (kip):	243.75
Ratio:	0.69

Stiffened or Unstiffened, Exterior Flange Plate - Any Bolt Material TIA Rev H

Site Data

BU#:
Site Name:
App #:

Reactions		
Mu	148.44	ft-kips
Axial, Pu:	6.47	kips
Shear, Vu:	8.54	kips
Elevation:	120	feet

Bolt Threads:
X-Excluded
φVn=φ(0.55*Ab*Fu)
φ=0.75, φ*Vn (kips):
38.88

Pole Manufacturer:	Other

If No stiffeners, Criteria: TIA H <-Only Applcable to Unstiffened Cases

Bolt Data			
Qty:	8		
Diameter (in.):	1	Bolt Fu:	120
Bolt Material:	A325	Bolt Fy:	92
N/A:	120	<-- Disregard	
N/A:	75	<-- Disregard	
Circle (in.):	35.5		

Plate Data		
Diam:	38.5	in
Thick, t:	1	in
Grade (Fy):	50	ksi
Strength, Fu:	65	ksi
Single-Rod B-eff:	9.25	in

Stiffener Data (Welding at Both Sides)		
Config:	0	*
Weld Type:		
Groove Depth:		<-- Disregard
Groove Angle:		<-- Disregard
Fillet H. Weld:		in
Fillet V. Weld:		in
Width:		in
Height:		in
Thick:		in
Notch:		in
Grade:		ksi
Weld str.:		ksi

Pole Data		
Diam:	31.375	in
Thick:	0.1875	in
Grade:	65	ksi
# of Sides:	18	"0" IF Round
Fu	80	ksi
Reinf. Fillet Weld	0	"0" if None

Flange Bolt Results

			Rigid
Bolt Tension Capacity, φ*Tn,**B1**:	54.54	kips	φ*Tn
Adjusted φ*Tn (due to Vu=Vu/Qty), **B**:	54.52	kips	φTn[(1-(Vu/φVn)^2]^0.5
Max Bolt directly applied Tu:	24.28	Kips	
Min. PL "tc" for **B** cap. **w/o** Pry:	0.793	in	
Min PL "treq" for actual **T w/ Pry**:	0.385	in	
Min PL "t1" for actual **T w/o Pry**:	0.529	in	
T allowable w/o Prying:	54.54	kips	α'<0 case
Prying Force, q:	0.00	kips	
Total Bolt Tension=Tu+q:	24.28	kips	
Non-Prying Bolt Stress Ratio, Tu/B:	44.5%	**Pass**	

Exterior Flange Plate Results Flexural Check

			Rigid
Compression Side Plate Stress:	12.6	ksi	TIA H
Allowable Plate Stress:	45.0	ksi	φ*Fy
Compression Plate Stress Ratio:	28.0%	**Pass**	Comp. Y.L. Length:
No Prying			10.00
Tension Side Stress Ratio, (treq/t)^2:	14.9%	**Pass**	

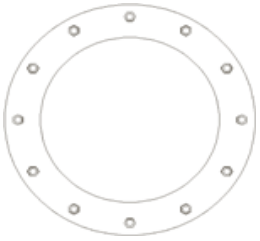
n/a

Stiffener Results

Horizontal Weld :	n/a
Vertical Weld:	n/a
Plate Flex+Shear, fb/Fb+(fv/Fv)^2:	n/a
Plate Tension+Shear, ft/Ft+(fv/Fv)^2:	n/a
Plate Comp. (AISC Bracket):	n/a

Pole Results

Pole Punching Shear Check: n/a



* 0 = none, 1 = every bolt, 2 = every 2 bolts, 3 = 2 per bolt

** Note: for complete joint penetration groove welds the groove depth must be exactly 1/2 the stiffener thickness for calculation purposes

Analysis Date: 10/6/2023

Monopole Mat Foundation Design

			Date: 10/6/2023
Customer Name:	Verizon	**TIA Standard:**	TIA-222-H
Site Name:		**Structure Height (Ft.):**	148
Site Number:	CT13057-A	**Engineer Name:**	SBA Engineer
Engr. Number:		**Engineer Login ID:**	

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

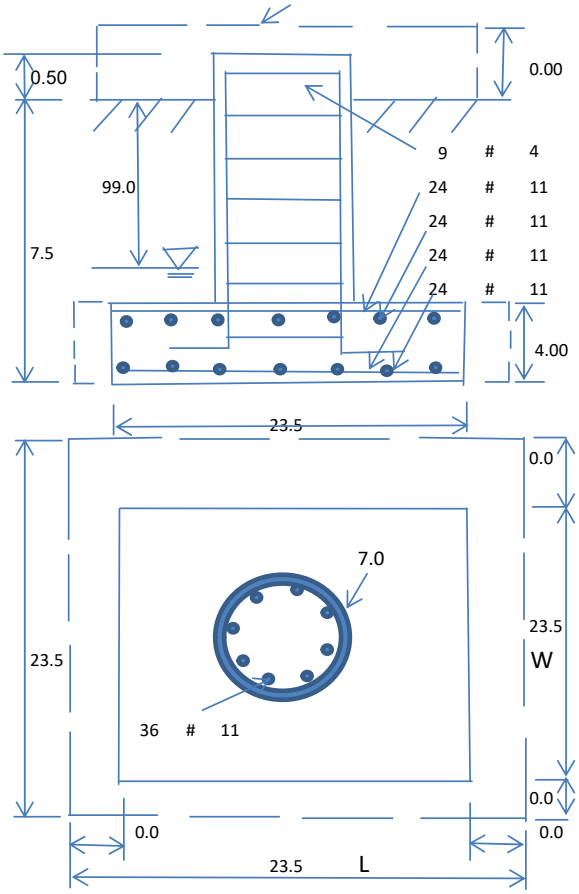
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	46.6	Shear Force (Kips):	35.4
Uplift Force (Kips):	0.0	Moment (Kips-ft):	3535.7
Allowable overstress %:	5.0%		

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	7.5
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	4.00
Length of Pad (ft.):	23.5	Width of Pad (ft.):	23.5
Final Length of pad (ft)	23.5	Final width of pad (ft):	23.5



Material Properties and Reabr Info:

Concrete Strength (psi):	3000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	40	
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	4	
Qty. of Vertical Rebars:	36	Tie Spacing (in):	12.0	
Pad Rebar Yield (Ksi):	60	Pad Steel Rebar Size (#):	11	
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):	24	Qty. of Rebar in Pad (W):	24

Rebar at the top of the concrete pad:

Qty. of Rebar in Pad (L):	24	Qty. of Rebar in Pad (W):	24
Apply 1.35 factor for e/w Per G:	1.35		

Soil Design Parameters:

Soil Unit Weight (pcf):	110.0	Soil Buoyant Weight:	47.6	Pcf		
Water Table B.G.S. (ft):	99.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	8000	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.):	1798.18	Total Dry Soil Weight (Kips):	197.80
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	197.80	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	2362.94	Total Dry Concrete Weight (Kips):	354.44
Total Buoyant Concrete Volume (cu. Ft.):	0.00	Total Buoyant Concrete Weight (Kips):	0.00
Total Effective Concrete Weight (Kips):	354.44	Total Vertical Load on Base (Kips):	598.84

Check Soil Capacities:

					Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	3274	<	Allowable Factored Soil Bearing (psf):	6000	0.55	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	6387.5	>	Design Factored Momont (kips-ft):	3819	0.60	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	1.67	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):	1.56		Tie / Stirrup Area (sq. in./each):	0.20				
Calculated Moment Capacity (Mn,Kips-Ft):	8832.5	>	Design Factored Moment (Mu, Kips-Ft	3677.3	0.42	OK!
Calculated Shear Capacity (Kips):	544.9	>	Design Factored Shear (Kips):	35.4	0.06	OK!
Calculated Tension Capacity (Tn, Kips):	3032.6	>	Design Factored Tension (Tu Kips):	0.0	0.00	OK!
Calculated Compression Capacity (Pn, Kips):	7273.9	>	Design Factored Axial Load (Pu Kips):	46.6	0.01	OK!
Moment & Axial Strength Combination:	0.42	OK!	Check Tie Spacing (Design/Required):		1	OK!
Pier Reinforcement Ratio:	0.010	Reinforcement Ratio is satisfied per ACI				

(2).Concrete Pad:

One-Way Design Shear Capacity (L-Direction, Kips):	1026.7	>	One-Way Factored Shear (L-D. Kips):	209.3	0.20	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1026.7	>	One-Way Factored Shear (W-D., Kips)	209.3	0.20	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	823.5	>	One-Way Factored Shear (C-C, Kips):	200.9	0.24	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0030	OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0030		
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	7202.6	>	Moment at Bottom (L-Dir. K-Ft):	1256.7	0.17	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	7202.6	>	Moment at Bottom (W-Dir. K-Ft):	1256.7	0.17	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	10086.7	>	Moment at Bottom (C-C Dir. K-Ft):	1777.3	0.18	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0030	OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0030		
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	7202.6	>	Moment at the top (L-Dir K-Ft):	565.2	0.08	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	7202.6	>	Moment at the top (W-Dir K-Ft):	565.2	0.08	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	10086.7	>	Moment at the top (C-C Dir. K-Ft):	531.6	0.05	OK!

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

Moment transferred by punching shear:	1414.3	k-ft.	Max. factored shear stress v_{u_CD}:	3.1	Psi
Max. factored shear stress v_{u_AB}:	7.0	Psi	Factored shear Strength ϕv_n:	164.3	Psi
Max. factored shear stress v_u:	7.0	Psi	Check Usage of Punching Shear Capacity:	0.04	OK!

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

Overturning moment to be transferred by flexure:	1060.7	k-ft.	Effective Width for resisting OT moment:	19.0	ft.
Calculated number of Rebar in Effective width:	20		Actual number of Rebar in Effective width:	20	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	5995.4	k-ft.	Check Usage of the Flexure Capacity:	0.18	OK!

Colliers Engineering & Design, Architecture, Landscape Architecture, Surveying, 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 #: 10212328
Colliers Engineering & Design Project #: 23777305

October 26, 2023

Site Information	*Site ID:*	*5000105407-VZW / NEWTOWN SE CT*
	Site Name:	*NEWTOWN SE CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*151 Berkshire Road* *Newtown, Connecticut 06470* *Fairfield County*
	Latitude:	*41.397500°*
	Longitude:	*-73.235833°*
Structure Information	*Tower Type:*	*135-Ft Monopole*
	Mount Type:	*12.50-Ft Platform*

FUZE ID # 17136768

Analysis Results

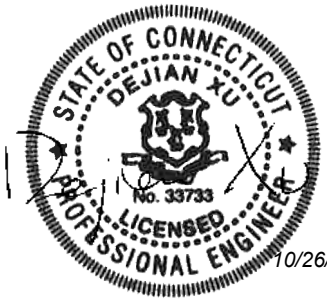
Platform: **45.0% Pass***

***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: Carol Luengas



10/26/2023

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: 324506, dated November 10, 2021*
Mount Mapping Report	*Structural Components, Site ID: 15625771, dated April 16, 2021*
Mount Modification Report	*Maser Consulting Connecticut, Project #: 21777745A Rev 1, dated December 17, 2021*
Post Modification Inspection Report	*Colliers Engineering & Design, Architecture, Landscape Architecture, Surveying, CT P.C., Project #: 21777745, dated October 25, 2023*
Filter Add Guidance	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H Connecticut State Building Code, Effective October 1, 2023	
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:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.978
Seismic Parameters:	S_S:	0.209 g
	S_1:	0.055 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Live Load, Lv:	250 lbs.
	Maintenance Live Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
136.50	137.50	4	KAelus	KA-6030	Added
		6	JMA Wireless	MX06FRO660-03	Retained
		3	Samsung	MT6407-77A	
		1	Raycap	RVZDC-6627-PF-48	
		3	Samsung	RF4439d-25A	
		3	Samsung	RF4440d-13A	
		3	Swedcom	SC-E 6014 rev2	

The recent mount mapping did not report existing OVP units. However, 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.

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 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 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 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.

Analysis Results:

Component	Utilization %	Pass/Fail
Face Horizontal	13.9 %	Pass
Standoff Horizontal	30.5 %	Pass
Platform Crossmember	16.1 %	Pass
Dual Mount Pipe	25.3 %	Pass
Mount Pipe	28.4 %	Pass
Corner Plate	18.2 %	Pass
Grating Support	14.0 %	Pass
Cross Arm Plate	45.0 %	Pass
Mod Support Rail	12.9 %	Pass
Mod Support Rail Brace	23.0 %	Pass
Mount Connection	41.4 %	Pass

Structure Rating – *(Controlling Utilization of all Components)*	**45.0%**

BASELINE mount weight per SBA agreement: 2290.25 lbs

Increase in mount weight due to Verizon loading change per SBA agreement: 0 lbs

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	24.9	24.9	38.4	38.4
0.5	32.5	32.5	51.4	51.4
1	39.4	39.4	63.7	63.7

Notes:
- (EPA)a values listed above may be used in the absence of more precise information
- (EPA)a values in the table above include 3 sector(s).
- Ka factors included in (EPA)a calculations

Requirements:

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

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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

---

MDG #: 5000105407 SMART Project #: 10212328 Fuze Project ID: 17136768

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:

Contractor shall install the proposed filter units on new Site Pro 1 Dual Swivel Mount Kit (Part #: RRUDSM or EOR approved equivalent) in the location shown in the placement diagrams.

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: 5000105407-VZW - NEWTOWN SE CT

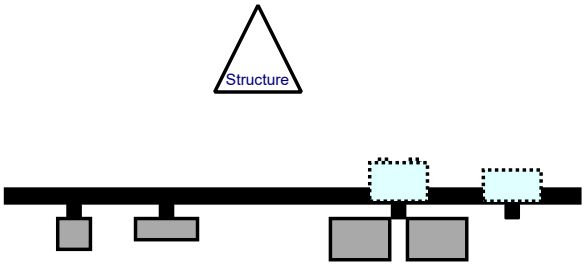
Sector: **A** 10/25/2023

Structure Type: Monopole 10212328

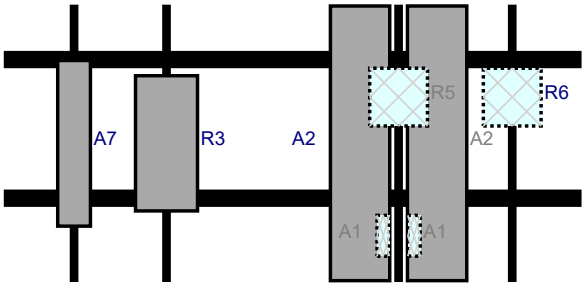
Mount Elev: 136.50 Page: 1

Colliers Engineering & Design

Plan View



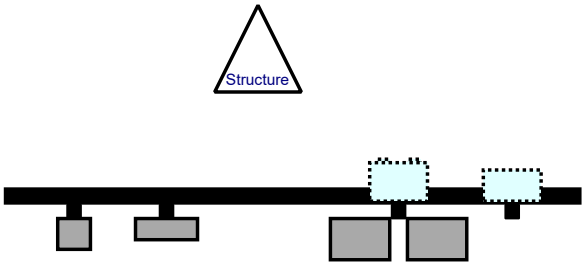
Front View - Looking at Structure



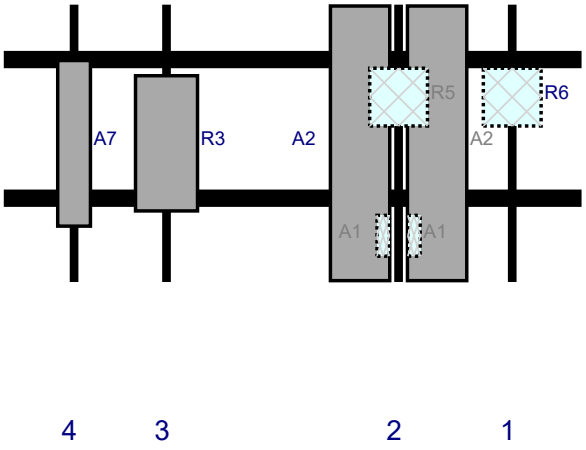
4 3 2 1

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
R6	RF4440d-13A	15	15	132	1	a	Behind	24	0	Retained	10/11/2023
A2	MX06FRO660-03	71.3	15.4	102.5	2	a	Front	36	10	Retained	10/11/2023
A2	MX06FRO660-03	71.3	15.4	102.5	2	b	Front	36	-10	Retained	10/11/2023
A1	KA-6030	10.6	3.2	102.5	2	a	Behind	60	4	Added	
A1	KA-6030	10.6	3.2	102.5	2	b	Behind	60	-4	Added	
R5	RF4439d-25A	15	15	102.5	2	a	Behind	24	0	Retained	10/11/2023
R3	MT6407-77A	35.1	16.1	42.25	3	a	Front	36	0	Retained	10/11/2023
A7	SC-E 6014 rev2	43	8.5	18.25	4	a	Front	36	0	Retained	10/11/2023
M117	RVZDC-6627-PF-48	29	15.7		Member					Retained	10/11/2023

Plan View

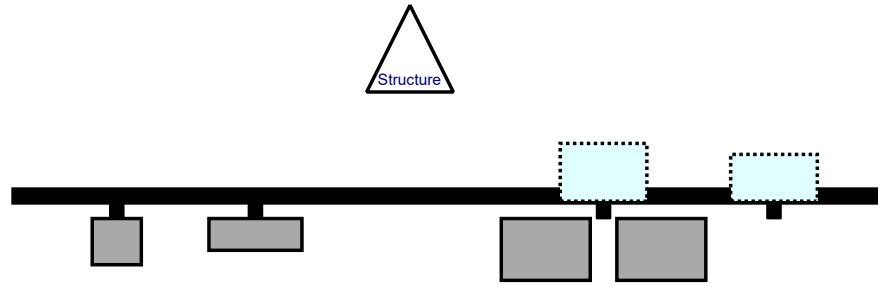


Front View - Looking at Structure

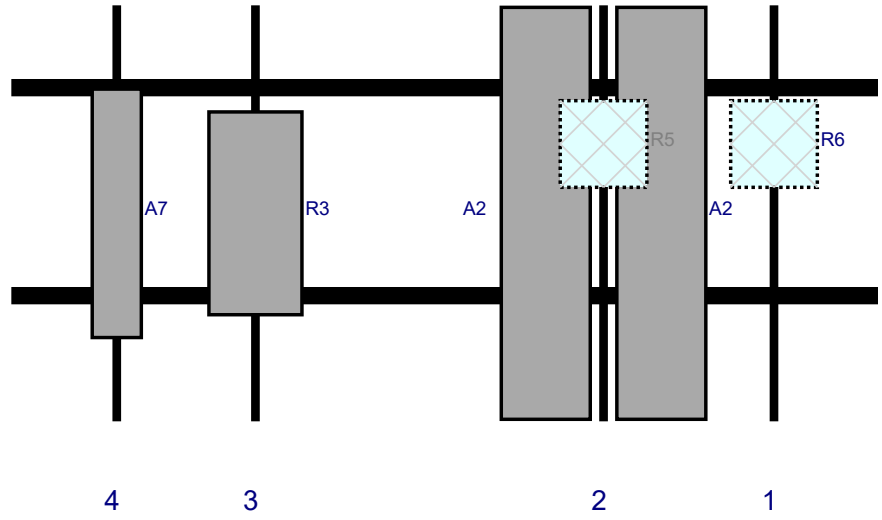


Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R6	RF4440d-13A	15	15	132	1	a	Behind	24	0	Retained	10/11/2023
A2	MX06FRO660-03	71.3	15.4	102.5	2	a	Front	36	10	Retained	10/11/2023
A2	MX06FRO660-03	71.3	15.4	102.5	2	b	Front	36	-10	Retained	10/11/2023
A1	KA-6030	10.6	3.2	102.5	2	a	Behind	60	4	Added	
A1	KA-6030	10.6	3.2	102.5	2	b	Behind	60	-4	Added	
R5	RF4439d-25A	15	15	102.5	2	a	Behind	24	0	Retained	10/11/2023
R3	MT6407-77A	35.1	16.1	42.25	3	a	Front	36	0	Retained	10/11/2023
A7	SC-E 6014 rev2	43	8.5	18.25	4	a	Front	36	0	Retained	10/11/2023

Plan View



Front View - Looking at Structure



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
R6	RF4440d-13A	15	15	132	1	a	Behind	24	0	Retained	10/11/2023
A2	MX06FRO660-03	71.3	15.4	102.5	2	a	Front	36	10	Retained	10/11/2023
A2	MX06FRO660-03	71.3	15.4	102.5	2	b	Front	36	-10	Retained	10/11/2023
R5	RF4439d-25A	15	15	102.5	2	a	Behind	24	0	Retained	10/11/2023
R3	MT6407-77A	35.1	16.1	42.25	3	a	Front	36	0	Retained	10/11/2023
A7	SC-E 6014 rev2	43	8.5	18.25	4	a	Front	36	0	Retained	10/11/2023


Oct 11, 2023 at 4:24:30 PM
151 Berkshire Rd
Sandy Hook CT 06482
United States


Oct 11, 2023 at 3:16:14 PM
151 Berkshire Rd
Sandy Hook CT 06482
United States

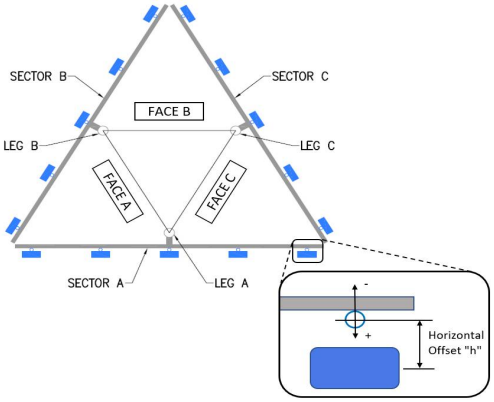
V4.0 Updated on 3-31-2021

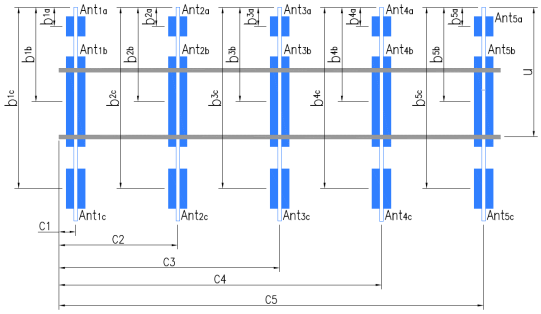
Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	SBA	**Mapping Date:**	4/16/2021
Site Name:	Newtown SE	**Tower Type:**	Monopole
Site Number or ID:	15625771	**Tower Height (Ft.):**	135
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	120

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 "u"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "u"	Horizontal Offset "C1, C2, C3, etc."
A1	2-3/8x .15x 72	50.25	18.00	C1	2-3/8x .15x 72	49.75	18.00
A2	2-3/8x .15x 72	50.25	47.50	C2	2-3/8x .15x 72	49.75	46.75
A3	2-3/8x .15x 72	50.25	107.75	C3	2-3/8x .15x 72	49.75	108.50
A4	2-3/8x .15x 72	50.25	131.75	C4	2-3/8x .15x 72	49.75	132.50
A5				C5			
A6				C6			
B1	2-3/8x .15x 72	49.75	18.00	D1			
B2	2-3/8x .15x 72	49.75	52.50	D2			
B3	2-3/8x .15x 72	49.75	107.75	D3			
B4	2-3/8x .15x 72	49.75	131.75	D4			
B5				D5			
B6				D6			

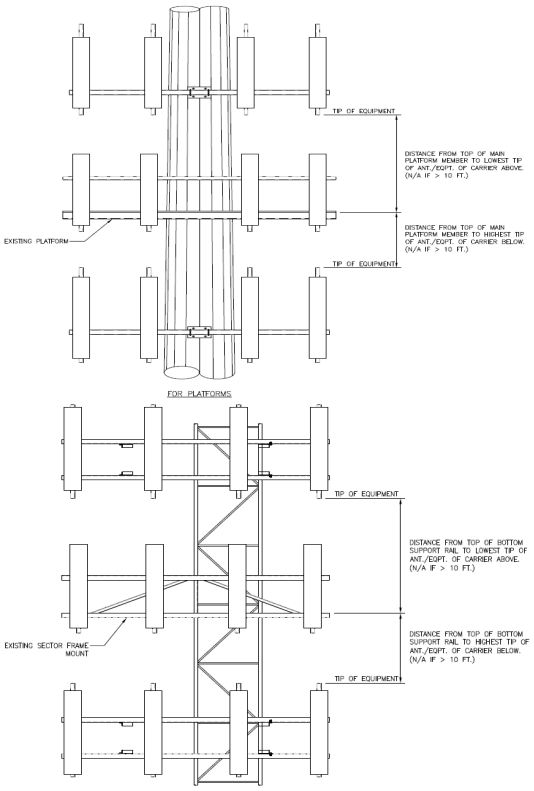
Distance between bottom rail and mount CL elevation (dim d). Unit is inches. See 'Mount Elev Ref' tab for details. :	0.00
Distance from top of bottom support rail to lowest tip of ant./eqpt. of Carrier above. (N/A if > 10 ft.) :	
Distance from top of bottom support rail to highest tip of ant./eqpt. of 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.): 27.23
For T-Arms/Platforms on monopoles, report the weld size from the main standoff to the plate bolting into the collar mount.	0.25

	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}										
Ant_{1b}	sc-e6014 rev 2	8.50	8.00	43.00	Jumper	120.979	38.50	12.25	20.00	45
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	slcp 2x6014	14.00	11.00	53.00	r & (1) 1-5	120.813	40.50	11.75	20.00	54
Ant_{2c}	rfsm11126427	6.50	0.75	5.00	) 1-5/8" T	121.5	32.25	-3.00		54
Ant_{3a}										
Ant_{3b}	bxa-171063-8bf-edin-	6.00	4.00	48.00	r & (1) 1-5	121.438	33.00	7.50	20.00	75
Ant_{3c}	rfsm11126427	6.50	0.75	5.00	) 1-5/8" T	121.729	29.50	-2.75		75
Ant_{4a}										
Ant_{4b}	sc-e 6014 rev 2	8.50	8.00	43.00	Jumper	120.979	38.50	12.00	20.00	85
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										

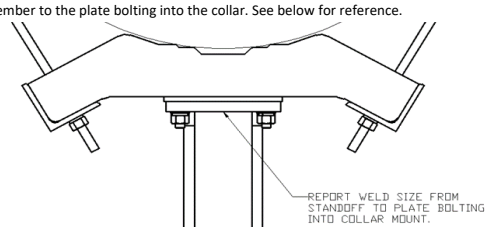
Mount Azimuth (Degree) for Each Sector				Tower Leg Azimuth (Degree) for Each Sector	
Sector A:	20.00	Deg	Leg A:		Deg
Sector B:	140.00	Deg	Leg B:		Deg
Sector C:	260.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information		
Location:	210.00	Deg
Climbing Facility	Corrosion Type:	Moderate corrosion observed.
	Access:	Climbing path was obstructed.
	Condition:	Damaged safety cable.

Please insert a photo of the mount centerline measurement here.



For T-Arms/Platforms on monopoles, record the weld size from the main standoff member to the plate bolting into the collar. See below for reference.



Sector B										
Ant_{1a}										
Ant_{1b}	sc-e6014 rev 2	8.50	8.00	43.00	Jumper	120.854	39.50	12.50	120.00	95
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	slcp 2x6014	14.00	11.00	53.00	r & (1) 1-5	120.938	38.50	11.50	120.00	95
Ant_{2c}	rfsm11126427	6.50	0.75	5.00	.) 1-5/8" T	121.313	34.00	-2.75		95
Ant_{3a}										
Ant_{3b}	bxa-171063-8bf-edin-	6.00	4.00	48.00	r & (1) 1-5	121.438	32.50	7.75	120.00	132
Ant_{3c}	rfsm11126427	6.50	0.75	5.00	.) 1-5/8" T	121.729	29.00	-2.75		132
Ant_{4a}										
Ant_{4b}	sc-e 6014 rev 2	8.50	8.00	43.00	Jumper	120.854	39.50	12.00	120.00	147
Ant_{4c}										
Ant_{5a}										
Ant_{5b}										
Ant_{5c}										
Ant on Standoff										
Ant on Standoff										
Ant on Tower										
Ant on Tower										
Sector C										
Ant_{1a}										
Ant_{1b}	slcp 2x6014	14.00	11.00	53.00	r & (1) 1-5	120.896	39.00	11.75	240.00	158
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	sc-e6014 rev 2	8.50	8.00	43.00	Jumper	120.938	38.50	12.00	260.00	176
Ant_{2c}	rfsm11126427	6.50	0.75	5.00	.) 1-5/8" T	121.438	32.50	-2.75		176
Ant_{3a}										
Ant_{3b}	bxa-171063-8bf-edin-	6.00	4.00	48.00	r & (1) 1-5	121.313	34.00	7.75	260.00	192
Ant_{3c}	rfsm11126427	6.50	0.75	5.00	.) 1-5/8" T	121.854	27.50	-2.75		192
Ant_{4a}										
Ant_{4b}	sc-e6014 rev 2	8.50	8.00	43.00	Jumper	120.771	40.50	12.00	260.00	210
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										

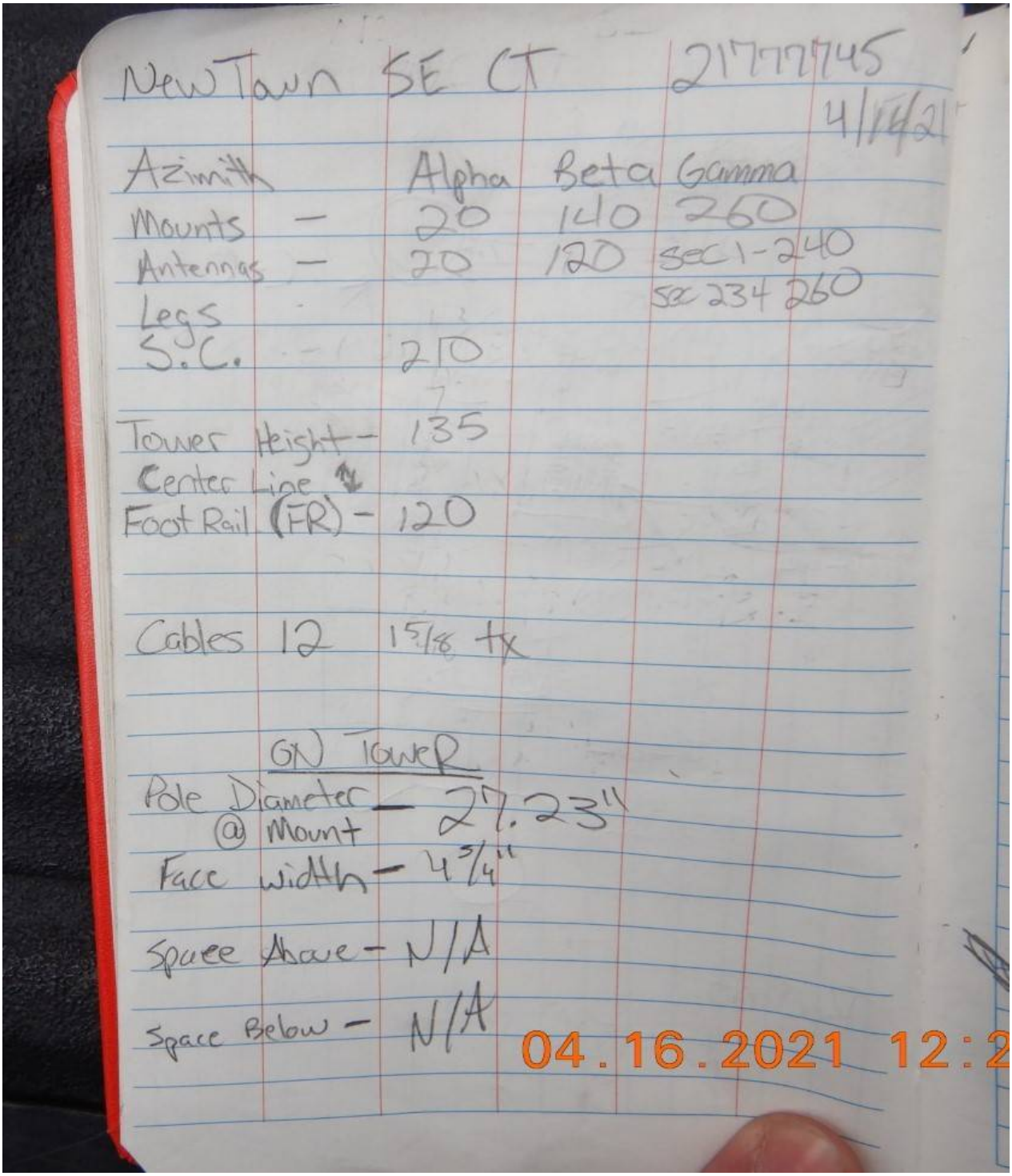
V4.0 Updated on 3-31-2021

Antenna Mount Mapping Form (PATENT PENDING)

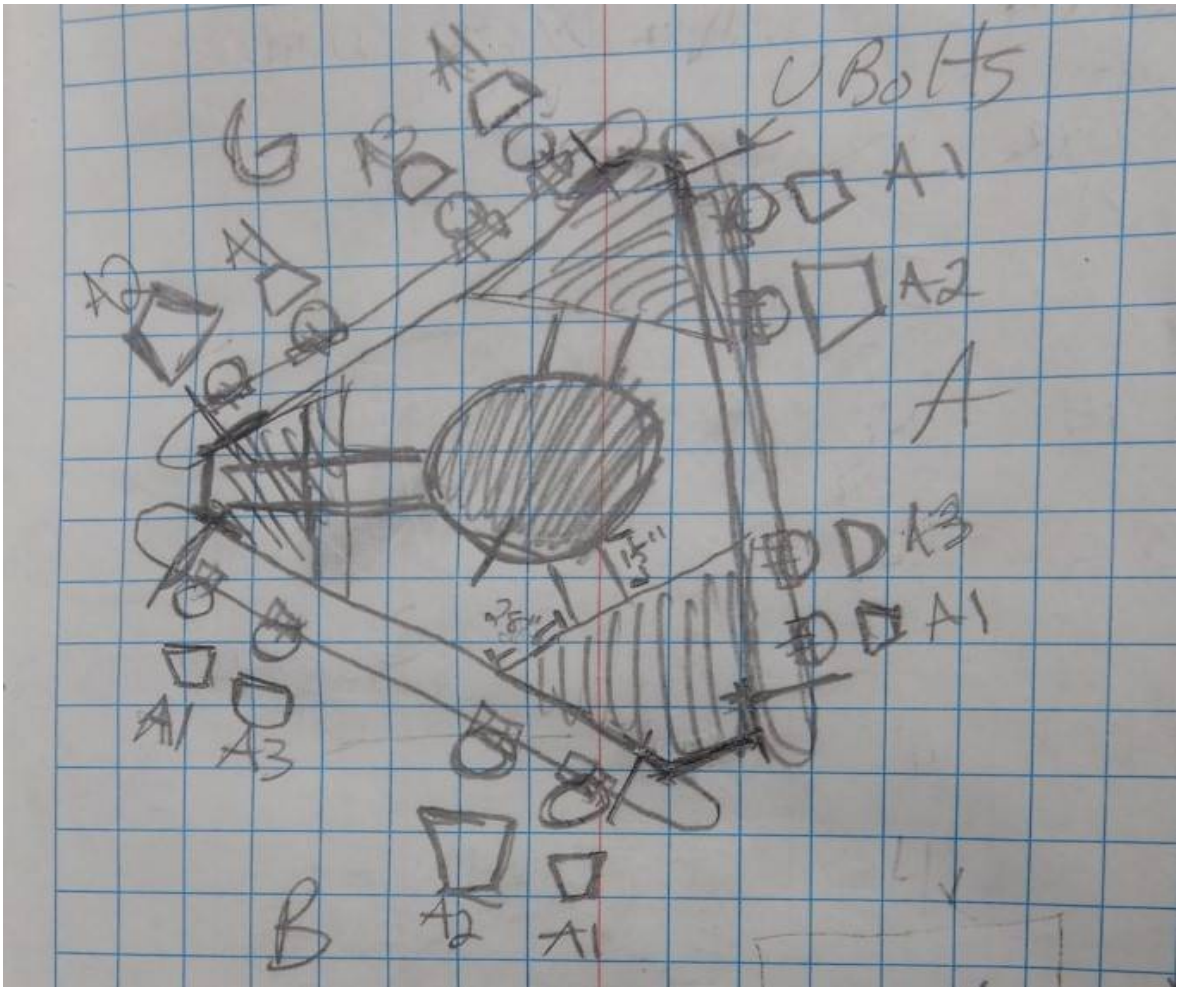
FCC #

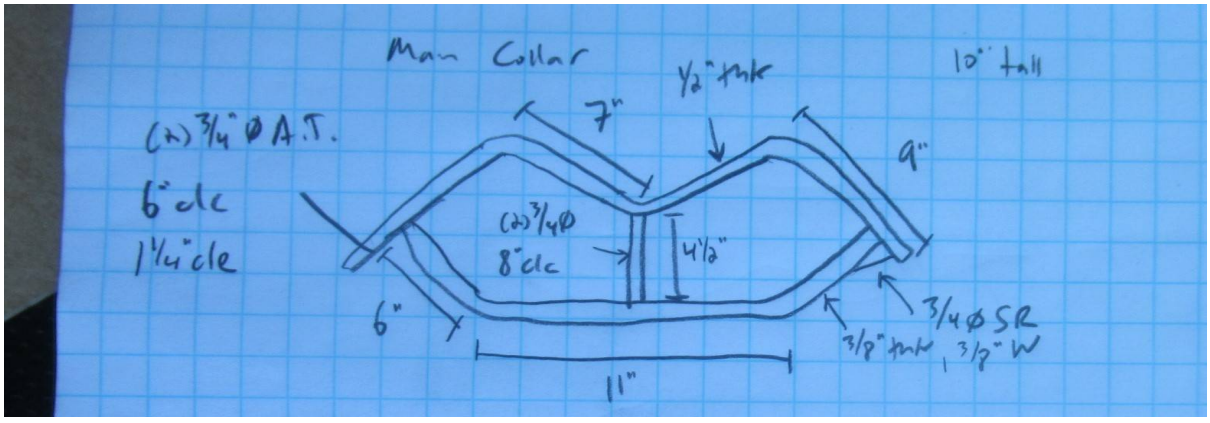
Tower Owner:	SBA	**Mapping Date:**	4/16/2021
Site Name:	Newtown SE	**Tower Type:**	Monopole
Site Number or ID:	15625771	**Tower Height (Ft.):**	135
Mapping Contractor:	Structural Components	**Mount Elevation (Ft.):**	120

Please Insert Sketches of the Antenna Mount

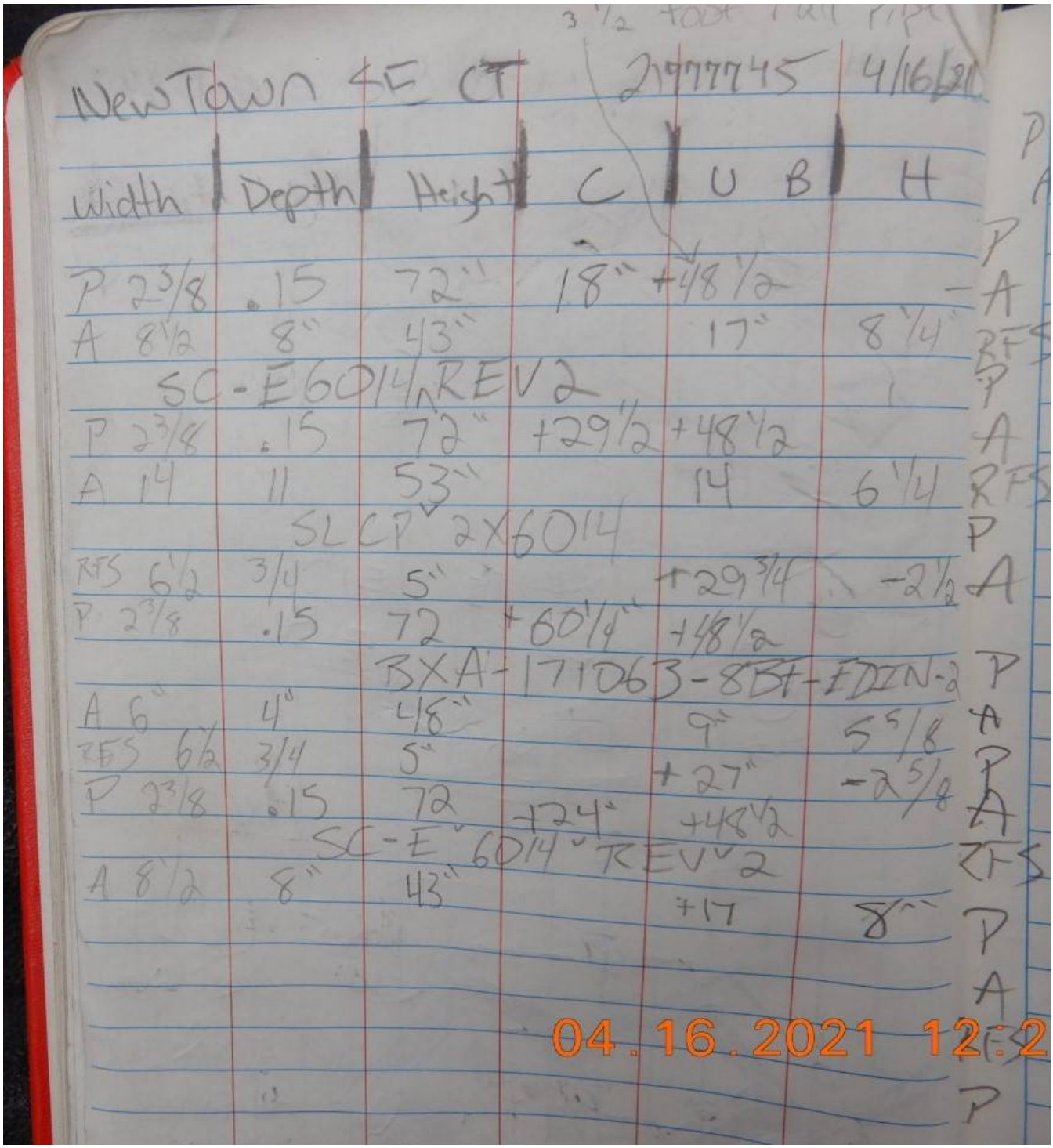


Please Insert Sketches of the Antenna Mount, cont'd

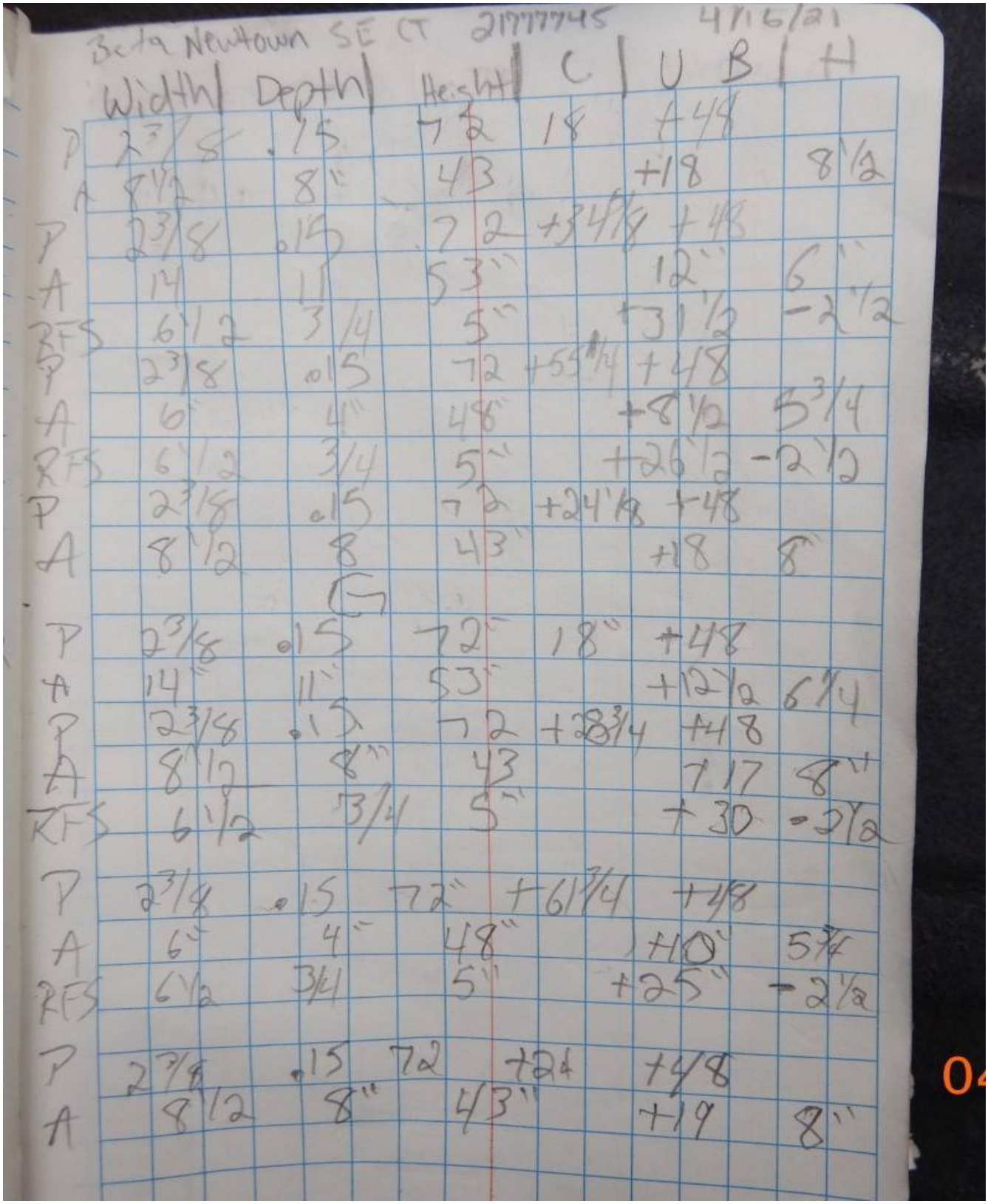




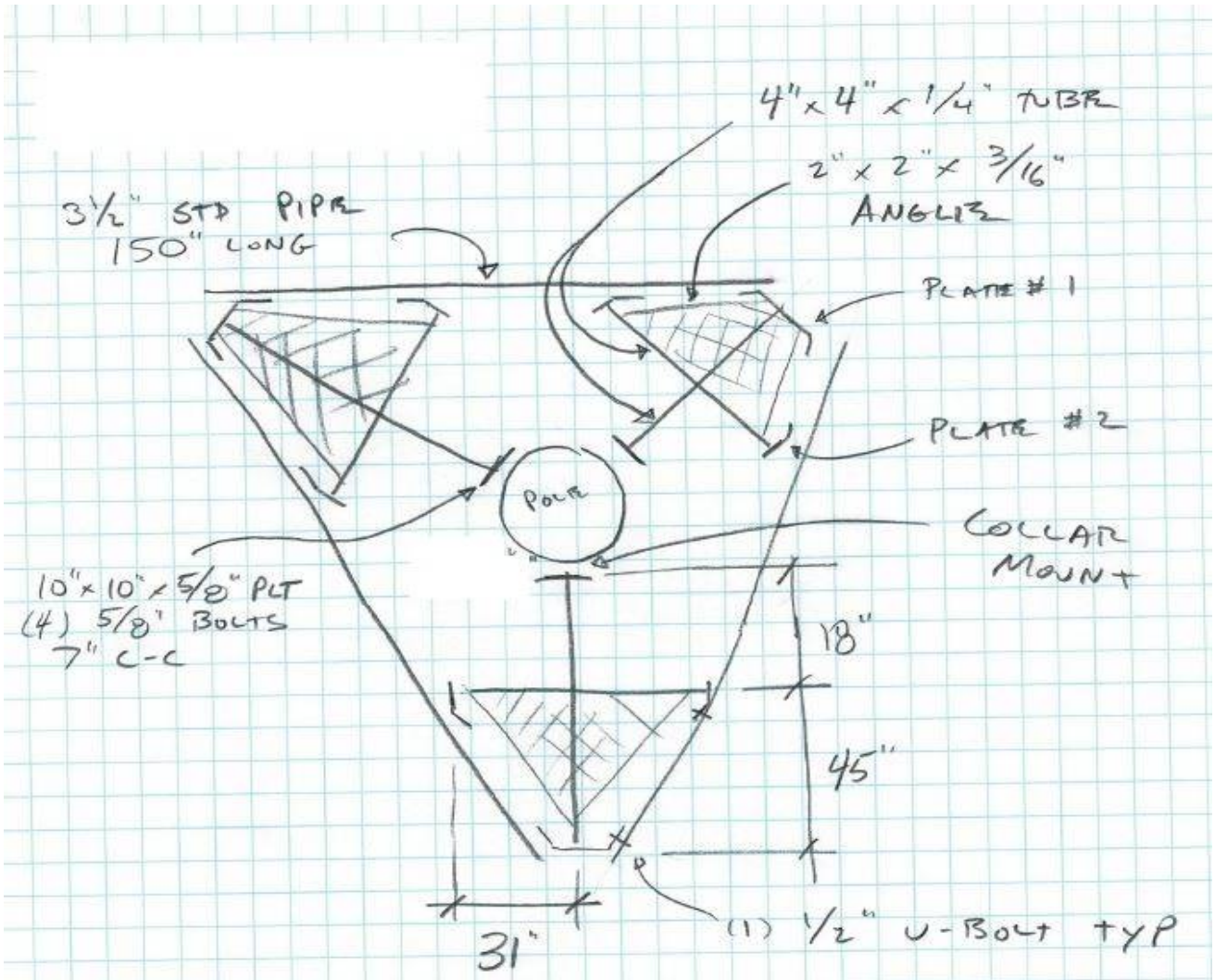
Please Insert Sketches of the Antenna Mount, cont'd

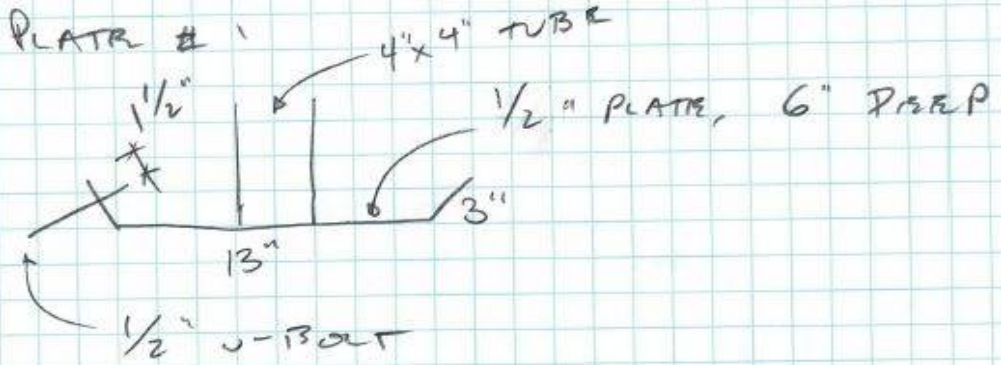


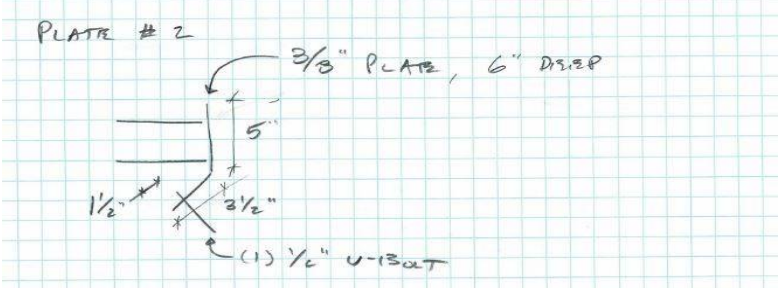
Please Insert Sketches of the Antenna Mount, cont'd

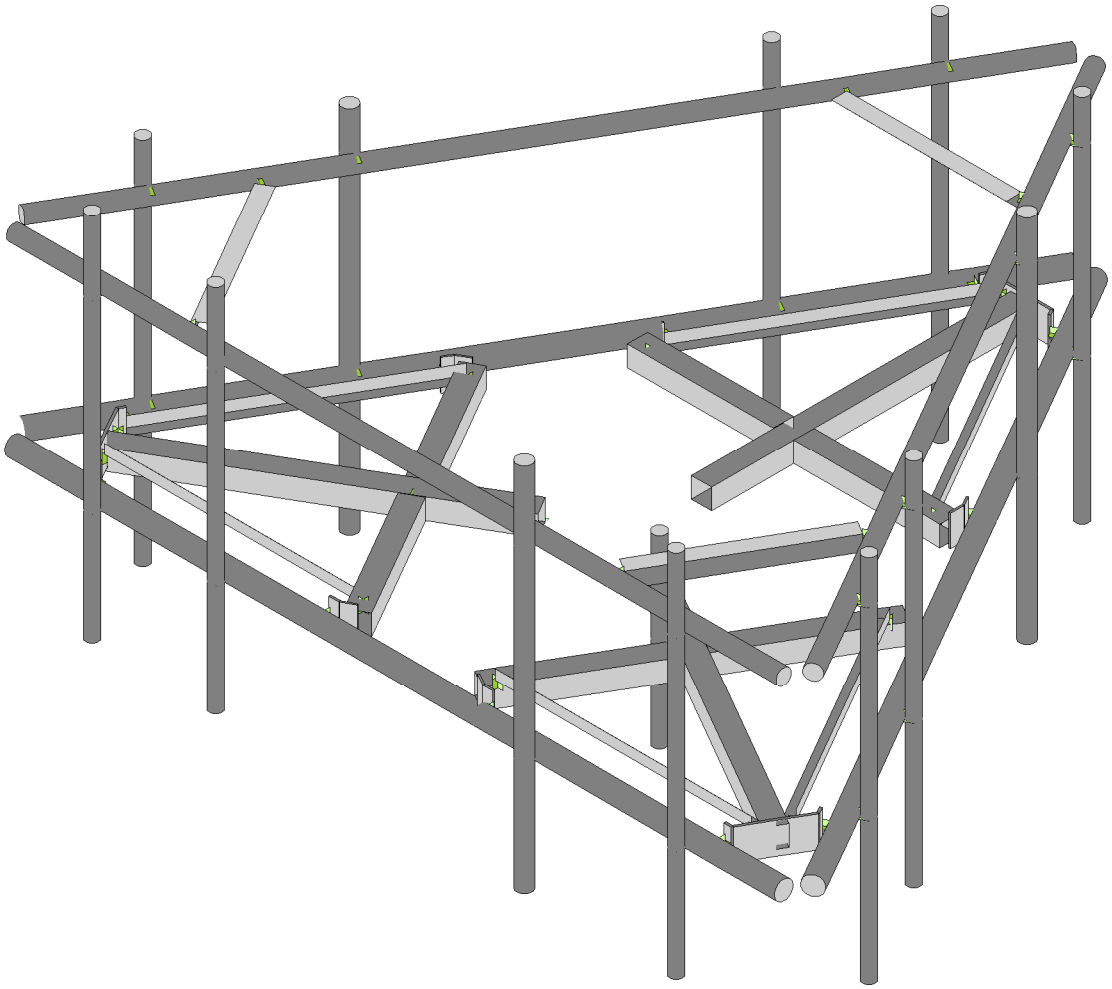


Please Insert Sketches of the Antenna Mount, cont'd



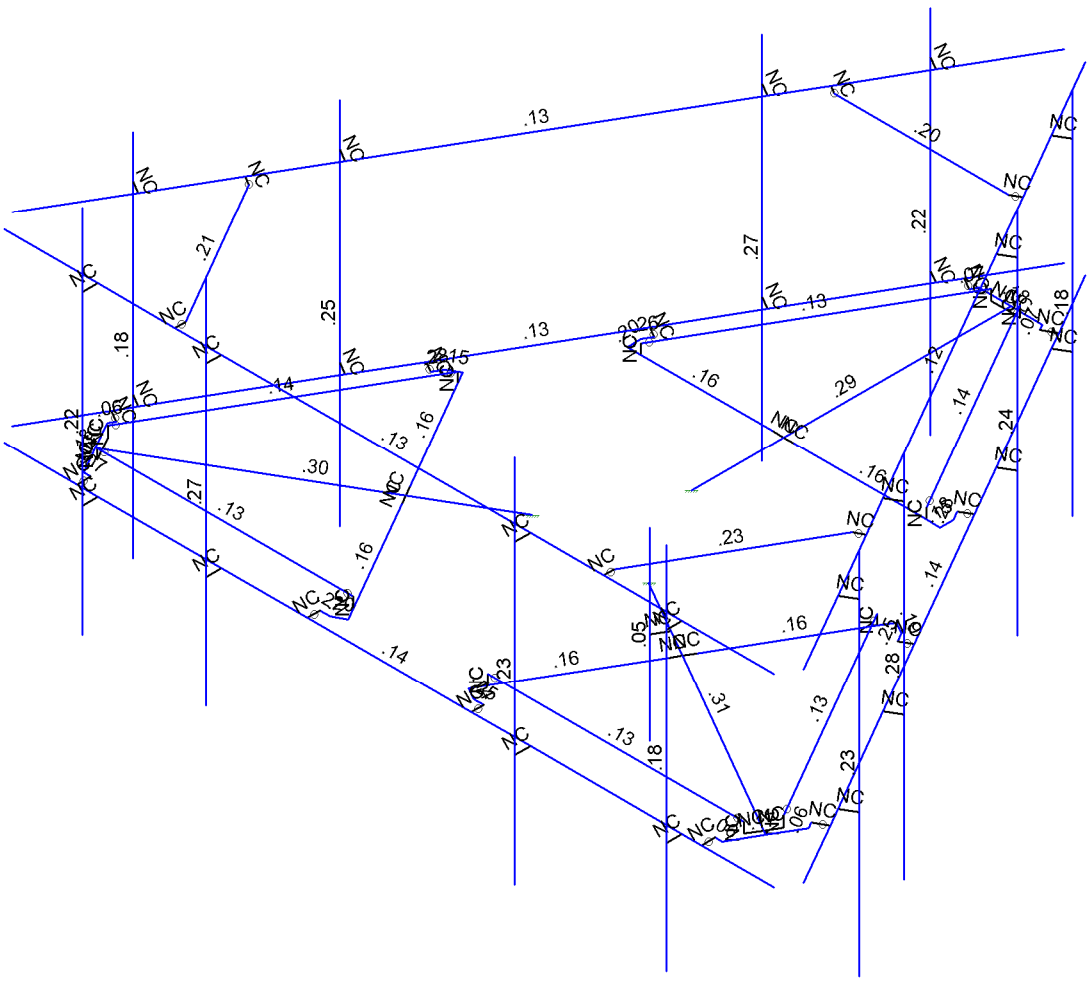






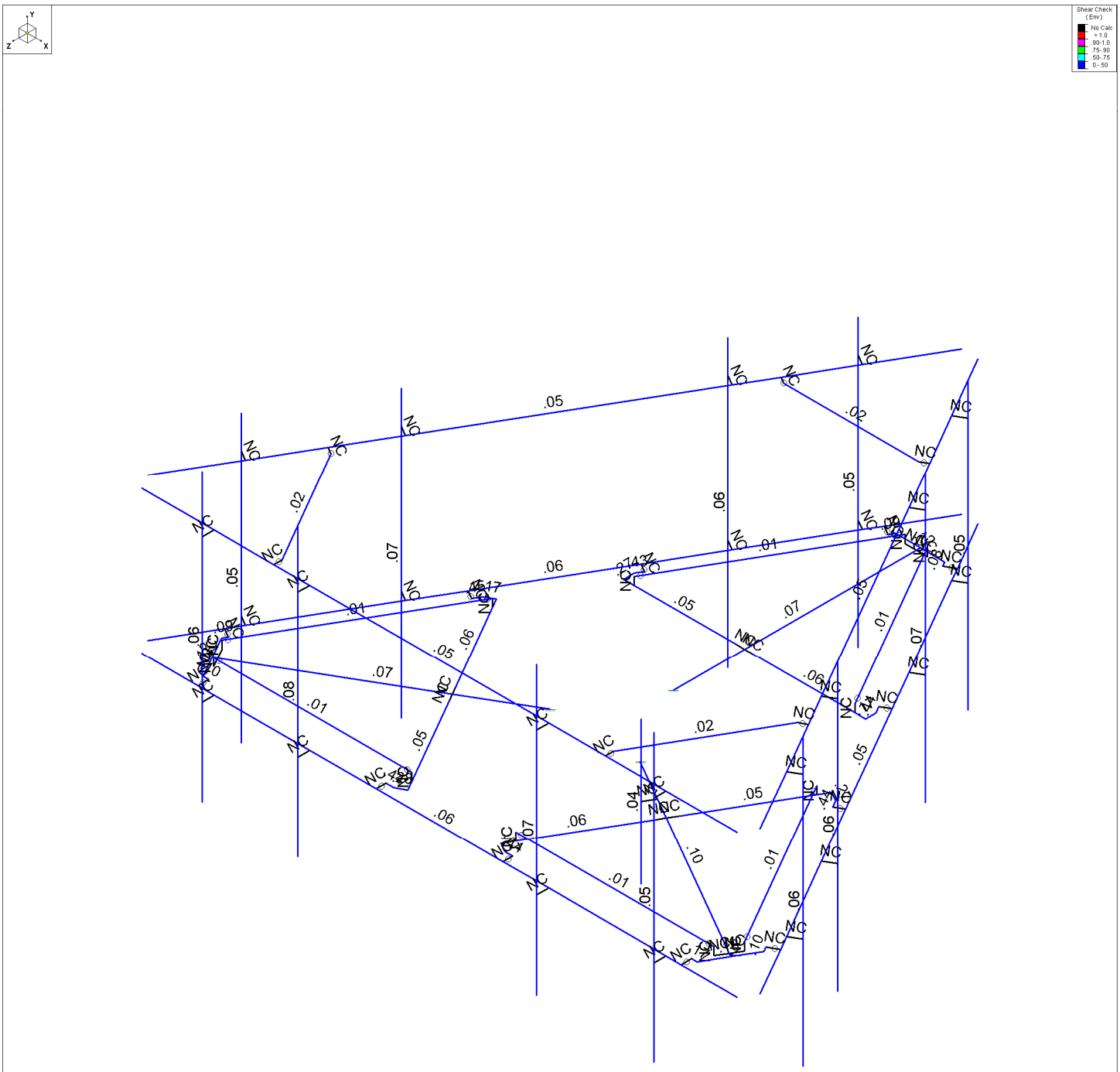
Envelope Only Solution

Colliers Engineering & Des...	5000105407-VZW_MT_LO_H	SK - 1
		Oct 25, 2023 at 5:30 PM
		5000105407-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & Des...	5000105407-VZW_MT_LO_H	SK - 2
		Oct 25, 2023 at 5:30 PM
		5000105407-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

Colliers Engineering & Des...	5000105407-VZW_MT_LO_H	SK - 3
		Oct 25, 2023 at 5:30 PM
		5000105407-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
1	Antenna D	None					117			
2	Antenna Di	None					117			
3	Antenna Wo (0 Deg)	None					117			
4	Antenna Wo (30 Deg)	None					117			
5	Antenna Wo (60 Deg)	None					117			
6	Antenna Wo (90 Deg)	None					117			
7	Antenna Wo (120 Deg)	None					117			
8	Antenna Wo (150 Deg)	None					117			
9	Antenna Wo (180 Deg)	None					117			
10	Antenna Wo (210 Deg)	None					117			
11	Antenna Wo (240 Deg)	None					117			
12	Antenna Wo (270 Deg)	None					117			
13	Antenna Wo (300 Deg)	None					117			
14	Antenna Wo (330 Deg)	None					117			
15	Antenna Wi (0 Deg)	None					117			
16	Antenna Wi (30 Deg)	None					117			
17	Antenna Wi (60 Deg)	None					117			
18	Antenna Wi (90 Deg)	None					117			
19	Antenna Wi (120 Deg)	None					117			
20	Antenna Wi (150 Deg)	None					117			
21	Antenna Wi (180 Deg)	None					117			
22	Antenna Wi (210 Deg)	None					117			
23	Antenna Wi (240 Deg)	None					117			
24	Antenna Wi (270 Deg)	None					117			
25	Antenna Wi (300 Deg)	None					117			
26	Antenna Wi (330 Deg)	None					117			
27	Antenna Wm (0 Deg)	None					117			
28	Antenna Wm (30 Deg)	None					117			
29	Antenna Wm (60 Deg)	None					117			
30	Antenna Wm (90 Deg)	None					117			
31	Antenna Wm (120 Deg)	None					117			
32	Antenna Wm (150 Deg)	None					117			
33	Antenna Wm (180 Deg)	None					117			
34	Antenna Wm (210 Deg)	None					117			
35	Antenna Wm (240 Deg)	None					117			
36	Antenna Wm (270 Deg)	None					117			
37	Antenna Wm (300 Deg)	None					117			
38	Antenna Wm (330 Deg)	None					117			
39	Structure D	None		-1					3	
40	Structure Di	None						58	3	
41	Structure Wo (0 Deg)	None						116		
42	Structure Wo (30 Deg)	None						116		
43	Structure Wo (60 Deg)	None						116		
44	Structure Wo (90 Deg)	None						116		
45	Structure Wo (120 Deg)	None						116		
46	Structure Wo (150 Deg)	None						116		
47	Structure Wo (180 Deg)	None						116		
48	Structure Wo (210 Deg)	None						116		
49	Structure Wo (240 Deg)	None						116		
50	Structure Wo (270 Deg)	None						116		
51	Structure Wo (300 Deg)	None						116		
52	Structure Wo (330 Deg)	None						116		
53	Structure Wi (0 Deg)	None						116		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(...
54	Structure Wi (30 Deg)	None						116		
55	Structure Wi (60 Deg)	None						116		
56	Structure Wi (90 Deg)	None						116		
57	Structure Wi (120 Deg)	None						116		
58	Structure Wi (150 Deg)	None						116		
59	Structure Wi (180 Deg)	None						116		
60	Structure Wi (210 Deg)	None						116		
61	Structure Wi (240 Deg)	None						116		
62	Structure Wi (270 Deg)	None						116		
63	Structure Wi (300 Deg)	None						116		
64	Structure Wi (330 Deg)	None						116		
65	Structure Wm (0 Deg)	None						116		
66	Structure Wm (30 Deg)	None						116		
67	Structure Wm (60 Deg)	None						116		
68	Structure Wm (90 Deg)	None						116		
69	Structure Wm (120 Deg)	None						116		
70	Structure Wm (150 Deg)	None						116		
71	Structure Wm (180 Deg)	None						116		
72	Structure Wm (210 Deg)	None						116		
73	Structure Wm (240 Deg)	None						116		
74	Structure Wm (270 Deg)	None						116		
75	Structure Wm (300 Deg)	None						116		
76	Structure Wm (330 Deg)	None						116		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					117			
82	Antenna Eh (0 Deg)	None					78			
83	Antenna Eh (90 Deg)	None					78			
84	Structure Ev	ELY		-.044					3	
85	Structure Eh (0 Deg)	ELZ			-.11				3	
86	Structure Eh (90 Deg)	ELX	.11						3	
87	BLC 39 Transient Area Loads	None						30		
88	BLC 40 Transient Area Loads	None						30		
89	BLC 84 Transient Area Loads	None						30		
90	BLC 85 Transient Area Loads	None						30		
91	BLC 86 Transient Area Loads	None						30		

Load Combinations

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
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 (0...	Yes	Y		1	1.2	39	1.2	2	1	40	1	15	1	53	1										
14	1.2D + 1.0Di + 1.0Wi (3...	Yes	Y		1	1.2	39	1.2	2	1	40	1	16	1	54	1										

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
15	1.2D + 1.0Di + 1.0Wi (6..	Yes	Y		1	1.2	39	1.2	2	1	40	1	17	1	55	1								
16	1.2D + 1.0Di + 1.0Wi (9..	Yes	Y		1	1.2	39	1.2	2	1	40	1	18	1	56	1								
17	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	19	1	57	1								
18	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1								
19	1.2D + 1.0Di + 1.0Wi (1..	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1								
20	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1								
21	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1								
22	1.2D + 1.0Di + 1.0Wi (2..	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1								
23	1.2D + 1.0Di + 1.0Wi (3..	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1								
24	1.2D + 1.0Di + 1.0Wi (3..	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 (0..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83		ELZ	1	E...					
53	1.2D + 1.0Ev + 1.0Eh (3..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	.5	ELZ	.866	E...	.5				
54	1.2D + 1.0Ev + 1.0Eh (6..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	.866	ELZ	.5	E...	.866				
55	1.2D + 1.0Ev + 1.0Eh (9..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	1	ELZ		E...	1				
56	1.2D + 1.0Ev + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	.866	ELZ	-.5	E...	.866				
57	1.2D + 1.0Ev + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	.5	ELZ	-.866	E...	.5				
58	1.2D + 1.0Ev + 1.0Eh (1..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-1	83		ELZ	-1	E...					
59	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				
60	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
61	1.2D + 1.0Ev + 1.0Eh (2..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82		83	-1	ELZ		E...	-1				
62	1.2D + 1.0Ev + 1.0Eh (3..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.5	83	-.866	ELZ	.5	E...	-.866				
63	1.2D + 1.0Ev + 1.0Eh (3..	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	.866	83	-.5	ELZ	.866	E...	-.5				
64	0.9D - 1.0Ev + 1.0Eh (0..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83		ELZ	1	E...					
65	0.9D - 1.0Ev + 1.0Eh (3..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	.5	ELZ	.866	E...	.5				
66	0.9D - 1.0Ev + 1.0Eh (6..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	.866	ELZ	.5	E...	.866				
67	0.9D - 1.0Ev + 1.0Eh (9..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	1	ELZ		E...	1				
68	0.9D - 1.0Ev + 1.0Eh (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	.866	ELZ	-.5	E...	.866				
69	0.9D - 1.0Ev + 1.0Eh (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	.5	ELZ	-.866	E...	.5				
70	0.9D - 1.0Ev + 1.0Eh (1..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-1	83		ELZ	-1	E...					
71	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.866	83	-.5	ELZ	-.866	E...	-.5				

Load Combinations (Continued)

	Description	S...	PDelta	S...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...	B...	Fa...
72	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	-.5	83	-.866	ELZ	-.5	E...	-.866				
73	0.9D - 1.0Ev + 1.0Eh (2..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82		83	-1	ELZ		E...	-1				
74	0.9D - 1.0Ev + 1.0Eh (3..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.5	83	-.866	ELZ	.5	E...	-.866				
75	0.9D - 1.0Ev + 1.0Eh (3..	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	.866	83	-.5	ELZ	.866	E...	-.5				

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N1	6.25	0	3.810523	0	
2	N2	-6.25	0	3.810523	0	
3	N3	-0.	0	-1.092917	0	
4	N5	-2.541667	0	-2.592917	0	
5	N6	2.315104	0.166667	-2.592917	0	
6	N7	-2.315104	0.166667	-2.592917	0	
7	N8	4.75	0	3.810523	0	
8	N9	4.75	0	4.060523	0	
9	N10	-2.729167	0	3.810523	0	
10	N11	-2.729167	0	4.060523	0	
11	N14	2.291667	0	3.810523	0	
12	N15	2.291667	0	4.060523	0	
13	N16	2.291667	-1.8125	4.060523	0	
14	N17	2.291667	4.1875	4.060523	0	
15	N18	-2.729167	-1.8125	4.060523	0	
16	N19	-2.729167	4.1875	4.060523	0	
17	N22	4.75	-1.8125	4.060523	0	
18	N23	4.75	4.1875	4.060523	0	
19	N24	-0.	0	-2.592917	0	
20	N27	-0.	0	-6.280417	0	
21	CP	0	0	0	0	
22	N29	2.315104	0	-2.592917	0	
23	N30	-2.315104	0	-2.592917	0	
24	N101	2.541667	0	-2.592917	0	
25	N102	-0.166667	0	-2.592917	0	
26	N103A	0.166667	0	-2.592917	0	
27	N104A	-2.541667	0	-2.811667	0	
28	N105	2.541667	0	-2.811667	0	
29	N131	2.458333	0	-2.956004	0	
30	N135	0.571615	0	-6.18344	0	
31	N144	-2.458333	0	-2.956004	0	
32	N148	-0.571615	0	-6.18344	0	
33	N86B	-2.634606	0	-3.057775	0	
34	N86C	-0.515625	0	-6.280417	0	
35	N87A	0.515625	0	-6.280417	0	
36	N86D	0.765406	0	-6.295325	0	
37	N86E	-0.765406	0	-6.295325	0	
38	N88A	-0.	0	-6.197083	0	
39	N87C	0.234238	0.166667	-6.197083	0	
40	N86G	0.234238	0	-6.197083	0	
41	N87B	-0.234238	0.166667	-6.197083	0	
42	N88C	-0.234238	0	-6.197083	0	
43	N87D	-0.946494	0	0.546458	0	
44	N88B	-0.974698	0	3.497606	0	
45	N89	-3.403084	0.166667	-0.708481	0	
46	N90	-1.08798	0.166667	3.301397	0	
47	N91	-2.245532	0	1.296458	0	
48	N92	-5.439	0	3.140208	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N93	-3.403084	0	-0.708481	0	
50	N94	-1.08798	0	3.301397	0	
51	N95	-3.516365	0	-0.90469	0	
52	N96	-2.162198	0	1.440796	0	
53	N97	-2.328865	0	1.152121	0	
54	N98	-1.164141	0	3.606981	0	
55	N99	-3.705808	0	-0.795315	0	
56	N100	-3.789141	0	-0.650977	0	
57	N101A	-5.640823	0	2.596687	0	
58	N102A	-1.330808	0	3.606981	0	
59	N103	-5.069209	0	3.586753	0	
60	N104	-3.965414	0	-0.752748	0	
61	N105A	-1.330808	0	3.810523	0	
62	N106	-5.181188	0	3.586753	0	
63	N107	-5.696813	0	2.693664	0	
64	N108	-5.834614	0	2.484802	0	
65	N109	-5.069209	0	3.810523	0	
66	N110	-5.366832	0	3.098542	0	
67	N111	-5.48395	0.166667	2.895686	0	
68	N112	-5.48395	0	2.895686	0	
69	N113	-5.249713	0.166667	3.301397	0	
70	N114	-5.249713	0	3.301397	0	
71	N115	0.946494	0	0.546458	0	
72	N116	3.516365	0	-0.90469	0	
73	N117	1.08798	0.166667	3.301397	0	
74	N118	3.403084	0.166667	-0.708481	0	
75	N119	2.245532	0	1.296458	0	
76	N120	5.439	0	3.140208	0	
77	N121	1.08798	0	3.301397	0	
78	N122	3.403084	0	-0.708481	0	
79	N123	0.974698	0	3.497606	0	
80	N124	2.328865	0	1.152121	0	
81	N125	2.162198	0	1.440796	0	
82	N126	3.705808	0	-0.795315	0	
83	N127	1.164141	0	3.606981	0	
84	N128	1.330808	0	3.606981	0	
85	N129	5.069209	0	3.586753	0	
86	N130	3.789141	0	-0.650977	0	
87	N131A	5.640823	0	2.596687	0	
88	N132	1.330808	0	3.810523	0	
89	N133	3.965414	0	-0.752748	0	
90	N134	5.696813	0	2.693664	0	
91	N135A	5.181188	0	3.586753	0	
92	N136	5.069209	0	3.810523	0	
93	N137	5.834614	0	2.484802	0	
94	N138	5.366832	0	3.098542	0	
95	N139	5.249713	0.166667	3.301397	0	
96	N140	5.249713	0	3.301397	0	
97	N141	5.48395	0.166667	2.895686	0	
98	N142	5.48395	0	2.895686	0	
99	N104B	0.17501	0	-7.31792	0	
100	N105B	6.42501	0	3.507397	0	
101	N124A	-6.42501	0	3.507397	0	
102	N125A	-0.17501	0	-7.31792	0	
103	N140B	5.916667	1	4.060523	0	
104	N179	1.812519	0	1.046458	0	
105	N180	1.687519	1.5	1.262965	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N181	1.687519	-1.5	1.262965	0	
107	N182	1.687519	0	1.262965	0	
108	N178B	2.634605	0	-3.057777	0	
109	N137A	-4.729167	0	3.810523	0	
110	N138A	-4.729167	0	4.060523	0	
111	N139A	-4.729167	-1.8125	4.060523	0	
112	N140A	-4.729167	4.1875	4.060523	0	
113	N117A	0.92501	0	-6.018882	0	
114	N118A	1.141516	0	-6.143882	0	
115	N119A	4.664593	0	0.458266	0	
116	N120A	4.8811	0	0.333266	0	
117	N121A	2.154177	0	-3.889903	0	
118	N122A	2.370683	0	-4.014903	0	
119	N123A	2.370683	-2.3125	-4.014903	0	
120	N124B	2.370683	3.6875	-4.014903	0	
121	N125B	4.8811	-2.3125	0.333266	0	
122	N126A	4.8811	3.6875	0.333266	0	
123	N127A	1.141516	-2.3125	-6.143882	0	
124	N128A	1.141516	3.6875	-6.143882	0	
125	N130A	5.664593	0	2.190317	0	
126	N131B	5.8811	0	2.065317	0	
127	N132A	5.8811	-2.3125	2.065317	0	
128	N133A	5.8811	3.6875	2.065317	0	
129	N134A	-5.67501	0	2.208359	0	
130	N135B	-5.891516	0	2.083359	0	
131	N136A	-1.935427	0	-4.268789	0	
132	N137B	-2.151933	0	-4.393789	0	
133	N138B	-4.445843	0	0.07938	0	
134	N139B	-4.66235	0	-0.04562	0	
135	N140C	-4.66235	-2.3125	-0.04562	0	
136	N141A	-4.66235	3.6875	-0.04562	0	
137	N142A	-2.151933	-2.3125	-4.393789	0	
138	N143	-2.151933	3.6875	-4.393789	0	
139	N144A	-5.891516	-2.3125	2.083359	0	
140	N145	-5.891516	3.6875	2.083359	0	
141	N147	-0.935427	0	-6.00084	0	
142	N148A	-1.151933	0	-6.12584	0	
143	N149	-1.151933	-2.3125	-6.12584	0	
144	N150	-1.151933	3.6875	-6.12584	0	
145	N149A	6.25	3	3.810523	0	
146	N150A	-6.25	3	3.810523	0	
147	N151	4.75	3	3.810523	0	
148	N152	4.75	3	4.060523	0	
149	N153	-2.729167	3	3.810523	0	
150	N154	-2.729167	3	4.060523	0	
151	N155	2.291667	3	3.810523	0	
152	N156	2.291667	3	4.060523	0	
153	N157	0.17501	3	-7.31792	0	
154	N158	6.42501	3	3.507397	0	
155	N159	-6.42501	3	3.507397	0	
156	N160	-0.17501	3	-7.31792	0	
157	N161	-4.729167	3	3.810523	0	
158	N162	-4.729167	3	4.060523	0	
159	N163	0.92501	3	-6.018882	0	
160	N164	1.141516	3	-6.143882	0	
161	N165	4.664593	3	0.458266	0	
162	N166	4.8811	3	0.333266	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
163	N167	2.154177	3	-3.889903	0	
164	N168	2.370683	3	-4.014903	0	
165	N169	5.664593	3	2.190317	0	
166	N170	5.8811	3	2.065317	0	
167	N171	-5.67501	3	2.208359	0	
168	N172	-5.891516	3	2.083359	0	
169	N173	-1.935427	3	-4.268789	0	
170	N174	-2.151933	3	-4.393789	0	
171	N175	-4.445843	3	0.07938	0	
172	N176A	-4.66235	3	-0.04562	0	
173	N177A	-0.935427	3	-6.00084	0	
174	N178	-1.151933	3	-6.12584	0	
175	N179B	-3.479167	3	3.810523	0	
176	N181A	-3.479167	3	3.643857	0	
177	N192	-5.039593	3	1.107785	0	
178	N194	-4.895256	3	1.191118	0	
179	N179A	5.039593	3	1.107785	0	
180	N180A	4.895256	3	1.191118	0	
181	N181B	3.479167	3	3.810523	0	
182	N182A	3.479167	3	3.643857	0	
183	N183	-1.560427	3	-4.918308	0	
184	N184	-1.416089	3	-4.834975	0	
185	N185	1.560427	3	-4.918308	0	
186	N186	1.416089	3	-4.834975	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design ...	A [in2]	Iyy [in4]	Izz [in4]	J [in4]
1	Face Horizontal	PIPE_3.0	Beam	Pipe	A53 Gr.B	Typical	2.07	2.85	2.85	5.69
2	Support Rail	PIPE_2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
3	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
4	Corner Plate	PL1/2x6	Beam	BAR	A36 Gr.36	Typical	3	.063	9	.237
5	HR Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
6	Platform Crossmember	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
7	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
8	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Dual Mount Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Cross Arm Plate	PL3/8x6	Column	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
11	MOD SUPPORT RAIL	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
12	MOD SUPPORT RAIL ...	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	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	M1	N1	N2			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M4	N3	N27			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
3	M10	N101	N103A			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
4	M19	N8	N9			RIGID	None	None	RIGID	Typical
5	M20	N10	N11			RIGID	None	None	RIGID	Typical
6	M22	N14	N15			RIGID	None	None	RIGID	Typical
7	MP2A	N17	N16			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
8	MP3A	N19	N18			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
9	MP1A	N23	N22			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	M43	N102	N5			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
11	M46	N86C	N87A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
12	M35A	N7	N30			RIGID	None	None	RIGID	Typical
13	M36A	N6	N29			RIGID	None	None	RIGID	Typical
14	M51B	N87C	N6			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
15	M52B	N7	N87B			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
16	M52	N87B	N88C			RIGID	None	None	RIGID	Typical
17	M58	N102	N24			RIGID	None	None	RIGID	Typical
18	M59	N24	N103A			RIGID	None	None	RIGID	Typical
19	M76	N101	N105			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
20	M77	N105	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
21	M80	N87A	N135			Corner Plate	Beam	BAR	A36 Gr.36	Typical
22	M83	N135	N86D			RIGID	None	None	RIGID	Typical
23	M84	N5	N104A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
24	M85	N104A	N144			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
25	M88	N144	N86B			RIGID	None	None	RIGID	Typical
26	M91	N86C	N148			Corner Plate	Beam	BAR	A36 Gr.36	Typical
27	M92	N148	N86E			RIGID	None	None	RIGID	Typical
28	M50	N88C	N88A			RIGID	None	None	RIGID	Typical
29	M51	N88A	N86G			RIGID	None	None	RIGID	Typical
30	M51A	N87C	N86G			RIGID	None	None	RIGID	Typical
31	M52A	N87D	N92			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
32	M53	N95	N97			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
33	M54	N96	N88B			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
34	M55	N106	N107			Corner Plate	Beam	BAR	A36 Gr.36	Typical
35	M56	N90	N94			RIGID	None	None	RIGID	Typical
36	M57	N89	N93			RIGID	None	None	RIGID	Typical
37	M58A	N111	N89			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
38	M59A	N90	N113			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
39	M60	N113	N114			RIGID	None	None	RIGID	Typical
40	M61	N96	N91			RIGID	None	None	RIGID	Typical
41	M62	N91	N97			RIGID	None	None	RIGID	Typical
42	M63	N95	N99			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
43	M64	N99	N100			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
44	M65	N100	N104			RIGID	None	None	RIGID	Typical
45	M66	N107	N101A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
46	M67	N101A	N108			RIGID	None	None	RIGID	Typical
47	M68	N88B	N98			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
48	M69	N98	N102A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
49	M70	N102A	N105A			RIGID	None	None	RIGID	Typical
50	M71	N106	N103			Corner Plate	Beam	BAR	A36 Gr.36	Typical
51	M72	N103	N109			RIGID	None	None	RIGID	Typical
52	M73	N114	N110			RIGID	None	None	RIGID	Typical
53	M74	N110	N112			RIGID	None	None	RIGID	Typical
54	M75	N111	N112			RIGID	None	None	RIGID	Typical
55	M76A	N115	N120			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
56	M77A	N123	N125			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	M78	N124	N116			Platform Cross...	Beam	SquareTube	A500 Gr.B...	Typical
58	M79A	N134	N135A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
59	M80A	N118	N122			RIGID	None	None	RIGID	Typical
60	M81	N117	N121			RIGID	None	None	RIGID	Typical
61	M82	N139	N117			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
62	M83A	N118	N141			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
63	M84A	N141	N142			RIGID	None	None	RIGID	Typical
64	M85A	N124	N119			RIGID	None	None	RIGID	Typical
65	M86	N119	N125			RIGID	None	None	RIGID	Typical
66	M87	N123	N127			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M88A	N127	N128			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M89	N128	N132			RIGID	None	None	RIGID	Typical
69	M90	N135A	N129			Corner Plate	Beam	BAR	A36 Gr.36	Typical
70	M91A	N129	N136			RIGID	None	None	RIGID	Typical
71	M92A	N116	N126			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M93	N126	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M94	N130	N133			RIGID	None	None	RIGID	Typical
74	M95	N134	N131A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
75	M96	N131A	N137			RIGID	None	None	RIGID	Typical
76	M97	N142	N138			RIGID	None	None	RIGID	Typical
77	M98	N138	N140			RIGID	None	None	RIGID	Typical
78	M99	N139	N140			RIGID	None	None	RIGID	Typical
79	M82A	N104B	N105B			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
80	M91B	N124A	N125A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
81	M117	N180	N181			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M118	N179	N182			RIGID	None	None	RIGID	Typical
83	M124A	N131	N178B			RIGID	None	None	RIGID	Typical
84	M98A	N137A	N138A			RIGID	None	None	RIGID	Typical
85	MP4A	N140A	N139A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
86	M88B	N117A	N118A			RIGID	None	None	RIGID	Typical
87	M89A	N119A	N120A			RIGID	None	None	RIGID	Typical
88	M90A	N121A	N122A			RIGID	None	None	RIGID	Typical
89	MP2C	N124B	N123A			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	MP3C	N126A	N125B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	MP1C	N128A	N127A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
92	M94A	N130A	N131B			RIGID	None	None	RIGID	Typical
93	MP4C	N133A	N132A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M96A	N134A	N135B			RIGID	None	None	RIGID	Typical
95	M97A	N136A	N137B			RIGID	None	None	RIGID	Typical
96	M98B	N138B	N139B			RIGID	None	None	RIGID	Typical
97	MP2B	N141A	N140C			Dual Mount Pipe	Column	Pipe	A53 Gr.B	Typical
98	MP3B	N143	N142A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
99	MP1B	N145	N144A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M102	N147	N148A			RIGID	None	None	RIGID	Typical
101	MP4B	N150	N149			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
102	M102A	N149A	N150A			MOD SUPPO...	Column	Pipe	A53 Gr.B	Typical
103	M103	N151	N152			RIGID	None	None	RIGID	Typical
104	M104	N153	N154			RIGID	None	None	RIGID	Typical
105	M105	N155	N156			RIGID	None	None	RIGID	Typical
106	M106	N157	N158			MOD SUPPO...	Column	Pipe	A53 Gr.B	Typical
107	M107	N159	N160			MOD SUPPO...	Column	Pipe	A53 Gr.B	Typical
108	M108	N161	N162			RIGID	None	None	RIGID	Typical
109	M109	N163	N164			RIGID	None	None	RIGID	Typical
110	M110	N165	N166			RIGID	None	None	RIGID	Typical
111	M111	N167	N168			RIGID	None	None	RIGID	Typical
112	M112	N169	N170			RIGID	None	None	RIGID	Typical
113	M113	N171	N172			RIGID	None	None	RIGID	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
114	M114	N173	N174			RIGID	None	None	RIGID	Typical
115	M115	N175	N176A			RIGID	None	None	RIGID	Typical
116	M116	N177A	N178			RIGID	None	None	RIGID	Typical
117	M117A	N179B	N181A			RIGID	None	None	RIGID	Typical
118	M123	N181A	N194		90	MOD SUPPO...	Beam	Single Angle	A36 Gr.36	Typical
119	M129	N192	N194			RIGID	None	None	RIGID	Typical
120	M120	N179A	N180A			RIGID	None	None	RIGID	Typical
121	M121	N180A	N182A		90	MOD SUPPO...	Beam	Single Angle	A36 Gr.36	Typical
122	M122	N181B	N182A			RIGID	None	None	RIGID	Typical
123	M123A	N183	N184			RIGID	None	None	RIGID	Typical
124	M124	N184	N186		90	MOD SUPPO...	Beam	Single Angle	A36 Gr.36	Typical
125	M125	N185	N186			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	M1						Yes	Default			None
2	M4						Yes				None
3	M10						Yes	Default			None
4	M19						Yes	** NA **			None
5	M20						Yes	** NA **			None
6	M22						Yes	** NA **			None
7	MP2A						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP1A						Yes	** NA **			None
10	M43						Yes	Default			None
11	M46						Yes	Default			None
12	M35A						Yes	** NA **			None
13	M36A						Yes	** NA **			None
14	M51B	OOOOOX	OOOOOX				Yes	Default			None
15	M52B	OOOOOX	OOOOOX				Yes	Default			None
16	M52						Yes	** NA **			None
17	M58						Yes	** NA **			None
18	M59						Yes	** NA **			None
19	M76						Yes	** NA **			None
20	M77						Yes	** NA **			None
21	M80						Yes				None
22	M83		BenPIN				Yes	** NA **			None
23	M84						Yes	** NA **			None
24	M85						Yes	** NA **			None
25	M88		BenPIN				Yes	** NA **			None
26	M91						Yes				None
27	M92		BenPIN				Yes	** NA **			None
28	M50						Yes	** NA **			None
29	M51						Yes	** NA **			None
30	M51A						Yes	** NA **			None
31	M52A						Yes				None
32	M53						Yes	Default			None
33	M54						Yes	Default			None
34	M55						Yes	Default			None
35	M56						Yes	** NA **			None
36	M57						Yes	** NA **			None
37	M58A	OOOOOX	OOOOOX				Yes	Default			None
38	M59A	OOOOOX	OOOOOX				Yes	Default			None
39	M60						Yes	** NA **			None
40	M61						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...
41	M62						Yes	** NA **			None
42	M63						Yes	** NA **			None
43	M64						Yes	** NA **			None
44	M65		BenPIN				Yes	** NA **			None
45	M66						Yes				None
46	M67		BenPIN				Yes	** NA **			None
47	M68						Yes	** NA **			None
48	M69						Yes	** NA **			None
49	M70		BenPIN				Yes	** NA **			None
50	M71						Yes				None
51	M72		BenPIN				Yes	** NA **			None
52	M73						Yes	** NA **			None
53	M74						Yes	** NA **			None
54	M75						Yes	** NA **			None
55	M76A						Yes				None
56	M77A						Yes	Default			None
57	M78						Yes	Default			None
58	M79A						Yes	Default			None
59	M80A						Yes	** NA **			None
60	M81						Yes	** NA **			None
61	M82	OOOOOX	OOOOOX				Yes	Default			None
62	M83A	OOOOOX	OOOOOX				Yes	Default			None
63	M84A						Yes	** NA **			None
64	M85A						Yes	** NA **			None
65	M86						Yes	** NA **			None
66	M87						Yes	** NA **			None
67	M88A						Yes	** NA **			None
68	M89		BenPIN				Yes	** NA **			None
69	M90						Yes				None
70	M91A		BenPIN				Yes	** NA **			None
71	M92A						Yes	** NA **			None
72	M93						Yes	** NA **			None
73	M94		BenPIN				Yes	** NA **			None
74	M95						Yes				None
75	M96		BenPIN				Yes	** NA **			None
76	M97						Yes	** NA **			None
77	M98						Yes	** NA **			None
78	M99						Yes	** NA **			None
79	M82A						Yes	Default			None
80	M91B						Yes	Default			None
81	M117						Yes	** NA **			None
82	M118						Yes	** NA **			None
83	M124A		BenPIN				Yes	** NA **			None
84	M98A						Yes	** NA **			None
85	MP4A						Yes	** NA **			None
86	M88B						Yes	** NA **			None
87	M89A						Yes	** NA **			None
88	M90A						Yes	** NA **			None
89	MP2C						Yes	** NA **			None
90	MP3C						Yes	** NA **			None
91	MP1C						Yes	** NA **			None
92	M94A						Yes	** NA **			None
93	MP4C						Yes	** NA **			None
94	M96A						Yes	** NA **			None
95	M97A						Yes	** NA **			None
96	M98B						Yes	** NA **			None
97	MP2B						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...
98	MP3B						Yes	** NA **			None
99	MP1B						Yes	** NA **			None
100	M102						Yes	** NA **			None
101	MP4B						Yes	** NA **			None
102	M102A						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	M105						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	M108						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	M111						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	M114						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	M117A	OOOOOX					Yes	** NA **			None
118	M123						Yes				None
119	M129	OOOOOX					Yes	** NA **			None
120	M120	OOOOOX					Yes	** NA **			None
121	M121						Yes				None
122	M122	OOOOOX					Yes	** NA **			None
123	M123A	OOOOOX					Yes	** NA **			None
124	M124						Yes				None
125	M125	OOOOOX					Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-23	1
2	MP2A	My	-.011	1
3	MP2A	Mz	.019	1
4	MP2A	Y	-23	5
5	MP2A	My	-.011	5
6	MP2A	Mz	.019	5
7	MP2B	Y	-23	1
8	MP2B	My	-.019	1
9	MP2B	Mz	-.011	1
10	MP2B	Y	-23	5
11	MP2B	My	-.019	5
12	MP2B	Mz	-.011	5
13	MP2C	Y	-23	1
14	MP2C	My	.021	1
15	MP2C	Mz	-.007	1
16	MP2C	Y	-23	5
17	MP2C	My	.021	5
18	MP2C	Mz	-.007	5
19	MP2A	Y	-23	1
20	MP2A	My	-.011	1
21	MP2A	Mz	-.019	1
22	MP2A	Y	-23	5
23	MP2A	My	-.011	5
24	MP2A	Mz	-.019	5

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	Y	-23	1
26	MP2B	My	.019	1
27	MP2B	Mz	-.011	1
28	MP2B	Y	-23	5
29	MP2B	My	.019	5
30	MP2B	Mz	-.011	5
31	MP2C	Y	-23	1
32	MP2C	My	-.004	1
33	MP2C	Mz	.022	1
34	MP2C	Y	-23	5
35	MP2C	My	-.004	5
36	MP2C	Mz	.022	5
37	MP3A	Y	-43.55	2
38	MP3A	My	-.022	2
39	MP3A	Mz	0	2
40	MP3A	Y	-43.55	4
41	MP3A	My	-.022	4
42	MP3A	Mz	0	4
43	MP3B	Y	-43.55	2
44	MP3B	My	0	2
45	MP3B	Mz	-.022	2
46	MP3B	Y	-43.55	4
47	MP3B	My	0	4
48	MP3B	Mz	-.022	4
49	MP3C	Y	-43.55	2
50	MP3C	My	.017	2
51	MP3C	Mz	.014	2
52	MP3C	Y	-43.55	4
53	MP3C	My	.017	4
54	MP3C	Mz	.014	4
55	M117	Y	-32	1
56	M117	My	-.016	1
57	M117	Mz	0	1
58	MP2A	Y	-84.4	2
59	MP2A	My	.042	2
60	MP2A	Mz	0	2
61	MP2B	Y	-84.4	2
62	MP2B	My	0	2
63	MP2B	Mz	.042	2
64	MP2C	Y	-84.4	2
65	MP2C	My	-.032	2
66	MP2C	Mz	-.027	2
67	MP1A	Y	-70.3	2
68	MP1A	My	.035	2
69	MP1A	Mz	0	2
70	MP1B	Y	-70.3	2
71	MP1B	My	0	2
72	MP1B	Mz	.035	2
73	MP1C	Y	-70.3	2
74	MP1C	My	-.027	2
75	MP1C	Mz	-.023	2
76	MP4A	Y	-7.5	2
77	MP4A	My	-.004	2
78	MP4A	Mz	0	2
79	MP4A	Y	-7.5	4
80	MP4A	My	-.004	4
81	MP4A	Mz	0	4

Member Point Loads (BLC 1 : Antenna D) (Continued)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4B	Y	-7.5	2
83	MP4B	My	0	2
84	MP4B	Mz	-.004	2
85	MP4B	Y	-7.5	4
86	MP4B	My	0	4
87	MP4B	Mz	-.004	4
88	MP4C	Y	-7.5	2
89	MP4C	My	.003	2
90	MP4C	Mz	.002	2
91	MP4C	Y	-7.5	4
92	MP4C	My	.003	4
93	MP4C	Mz	.002	4
94	MP2A	Y	-8.8	4.5
95	MP2A	My	.009	4.5
96	MP2A	Mz	.003	4.5
97	MP2A	Y	-8.8	5.5
98	MP2A	My	.009	5.5
99	MP2A	Mz	.003	5.5
100	MP2B	Y	-8.8	4.5
101	MP2B	My	-.003	4.5
102	MP2B	Mz	.009	4.5
103	MP2B	Y	-8.8	5.5
104	MP2B	My	-.003	5.5
105	MP2B	Mz	.009	5.5
106	MP2A	Y	-8.8	4.5
107	MP2A	My	.009	4.5
108	MP2A	Mz	-.003	4.5
109	MP2A	Y	-8.8	5.5
110	MP2A	My	.009	5.5
111	MP2A	Mz	-.003	5.5
112	MP2B	Y	-8.8	4.5
113	MP2B	My	.003	4.5
114	MP2B	Mz	.009	4.5
115	MP2B	Y	-8.8	5.5
116	MP2B	My	.003	5.5
117	MP2B	Mz	.009	5.5

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-82.353	1
2	MP2A	My	-.041	1
3	MP2A	Mz	.069	1
4	MP2A	Y	-82.353	5
5	MP2A	My	-.041	5
6	MP2A	Mz	.069	5
7	MP2B	Y	-82.353	1
8	MP2B	My	-.069	1
9	MP2B	Mz	-.041	1
10	MP2B	Y	-82.353	5
11	MP2B	My	-.069	5
12	MP2B	Mz	-.041	5
13	MP2C	Y	-82.353	1
14	MP2C	My	.076	1
15	MP2C	Mz	-.026	1
16	MP2C	Y	-82.353	5
17	MP2C	My	.076	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mz	-.026	5
19	MP2A	Y	-82.353	1
20	MP2A	My	-.041	1
21	MP2A	Mz	-.069	1
22	MP2A	Y	-82.353	5
23	MP2A	My	-.041	5
24	MP2A	Mz	-.069	5
25	MP2B	Y	-82.353	1
26	MP2B	My	.069	1
27	MP2B	Mz	-.041	1
28	MP2B	Y	-82.353	5
29	MP2B	My	.069	5
30	MP2B	Mz	-.041	5
31	MP2C	Y	-82.353	1
32	MP2C	My	-.013	1
33	MP2C	Mz	.079	1
34	MP2C	Y	-82.353	5
35	MP2C	My	-.013	5
36	MP2C	Mz	.079	5
37	MP3A	Y	-35.564	2
38	MP3A	My	-.018	2
39	MP3A	Mz	0	2
40	MP3A	Y	-35.564	4
41	MP3A	My	-.018	4
42	MP3A	Mz	0	4
43	MP3B	Y	-35.564	2
44	MP3B	My	0	2
45	MP3B	Mz	-.018	2
46	MP3B	Y	-35.564	4
47	MP3B	My	0	4
48	MP3B	Mz	-.018	4
49	MP3C	Y	-35.564	2
50	MP3C	My	.014	2
51	MP3C	Mz	.011	2
52	MP3C	Y	-35.564	4
53	MP3C	My	.014	4
54	MP3C	Mz	.011	4
55	M117	Y	-76.052	1
56	M117	My	-.038	1
57	M117	Mz	0	1
58	MP2A	Y	-44.836	2
59	MP2A	My	.022	2
60	MP2A	Mz	0	2
61	MP2B	Y	-44.836	2
62	MP2B	My	0	2
63	MP2B	Mz	.022	2
64	MP2C	Y	-44.836	2
65	MP2C	My	-.017	2
66	MP2C	Mz	-.014	2
67	MP1A	Y	-40.321	2
68	MP1A	My	.02	2
69	MP1A	Mz	0	2
70	MP1B	Y	-40.321	2
71	MP1B	My	0	2
72	MP1B	Mz	.02	2
73	MP1C	Y	-40.321	2
74	MP1C	My	-.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1C	Mz	-.013	2
76	MP4A	Y	-33.168	2
77	MP4A	My	-.017	2
78	MP4A	Mz	0	2
79	MP4A	Y	-33.168	4
80	MP4A	My	-.017	4
81	MP4A	Mz	0	4
82	MP4B	Y	-33.168	2
83	MP4B	My	0	2
84	MP4B	Mz	-.017	2
85	MP4B	Y	-33.168	4
86	MP4B	My	0	4
87	MP4B	Mz	-.017	4
88	MP4C	Y	-33.168	2
89	MP4C	My	.013	2
90	MP4C	Mz	.011	2
91	MP4C	Y	-33.168	4
92	MP4C	My	.013	4
93	MP4C	Mz	.011	4
94	MP2A	Y	3.3	4.5
95	MP2A	My	-.003	4.5
96	MP2A	Mz	-.001	4.5
97	MP2A	Y	3.3	5.5
98	MP2A	My	-.003	5.5
99	MP2A	Mz	-.001	5.5
100	MP2B	Y	3.3	4.5
101	MP2B	My	.001	4.5
102	MP2B	Mz	-.003	4.5
103	MP2B	Y	3.3	5.5
104	MP2B	My	.001	5.5
105	MP2B	Mz	-.003	5.5
106	MP2A	Y	3.3	4.5
107	MP2A	My	-.003	4.5
108	MP2A	Mz	.001	4.5
109	MP2A	Y	3.3	5.5
110	MP2A	My	-.003	5.5
111	MP2A	Mz	.001	5.5
112	MP2B	Y	3.3	4.5
113	MP2B	My	-.001	4.5
114	MP2B	Mz	-.003	4.5
115	MP2B	Y	3.3	5.5
116	MP2B	My	-.001	5.5
117	MP2B	Mz	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-98.538	1
3	MP2A	Mx	-.082	1
4	MP2A	X	0	5
5	MP2A	Z	-98.538	5
6	MP2A	Mx	-.082	5
7	MP2B	X	0	1
8	MP2B	Z	-73.747	1
9	MP2B	Mx	.037	1
10	MP2B	X	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-73.747	5
12	MP2B	Mx	.037	5
13	MP2C	X	0	1
14	MP2C	Z	-88.295	1
15	MP2C	Mx	.028	1
16	MP2C	X	0	5
17	MP2C	Z	-88.295	5
18	MP2C	Mx	.028	5
19	MP2A	X	0	1
20	MP2A	Z	-98.538	1
21	MP2A	Mx	.082	1
22	MP2A	X	0	5
23	MP2A	Z	-98.538	5
24	MP2A	Mx	.082	5
25	MP2B	X	0	1
26	MP2B	Z	-73.747	1
27	MP2B	Mx	.037	1
28	MP2B	X	0	5
29	MP2B	Z	-73.747	5
30	MP2B	Mx	.037	5
31	MP2C	X	0	1
32	MP2C	Z	-88.295	1
33	MP2C	Mx	-.085	1
34	MP2C	X	0	5
35	MP2C	Z	-88.295	5
36	MP2C	Mx	-.085	5
37	MP3A	X	0	2
38	MP3A	Z	-81.663	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	-81.663	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-28.124	2
45	MP3B	Mx	.014	2
46	MP3B	X	0	4
47	MP3B	Z	-28.124	4
48	MP3B	Mx	.014	4
49	MP3C	X	0	2
50	MP3C	Z	-59.542	2
51	MP3C	Mx	-.019	2
52	MP3C	X	0	4
53	MP3C	Z	-59.542	4
54	MP3C	Mx	-.019	4
55	M117	X	0	1
56	M117	Z	-132.078	1
57	M117	Mx	0	1
58	MP2A	X	0	2
59	MP2A	Z	-64.581	2
60	MP2A	Mx	0	2
61	MP2B	X	0	2
62	MP2B	Z	-43.332	2
63	MP2B	Mx	-.022	2
64	MP2C	X	0	2
65	MP2C	Z	-55.801	2
66	MP2C	Mx	.018	2
67	MP1A	X	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1A	Z	-64.581	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	-35.415	2
72	MP1B	Mx	-.018	2
73	MP1C	X	0	2
74	MP1C	Z	-52.53	2
75	MP1C	Mx	.017	2
76	MP4A	X	0	2
77	MP4A	Z	-69.372	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	-69.372	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	-66.079	2
84	MP4B	Mx	.033	2
85	MP4B	X	0	4
86	MP4B	Z	-66.079	4
87	MP4B	Mx	.033	4
88	MP4C	X	0	2
89	MP4C	Z	-68.011	2
90	MP4C	Mx	-.022	2
91	MP4C	X	0	4
92	MP4C	Z	-68.011	4
93	MP4C	Mx	-.022	4
94	MP2A	X	0	4.5
95	MP2A	Z	-19.999	4.5
96	MP2A	Mx	-.007	4.5
97	MP2A	X	0	5.5
98	MP2A	Z	-19.999	5.5
99	MP2A	Mx	-.007	5.5
100	MP2B	X	0	4.5
101	MP2B	Z	-20.058	4.5
102	MP2B	Mx	-.02	4.5
103	MP2B	X	0	5.5
104	MP2B	Z	-20.058	5.5
105	MP2B	Mx	-.02	5.5
106	MP2A	X	0	4.5
107	MP2A	Z	-19.999	4.5
108	MP2A	Mx	.007	4.5
109	MP2A	X	0	5.5
110	MP2A	Z	-19.999	5.5
111	MP2A	Mx	.007	5.5
112	MP2B	X	0	4.5
113	MP2B	Z	-20.058	4.5
114	MP2B	Mx	-.02	4.5
115	MP2B	X	0	5.5
116	MP2B	Z	-20.058	5.5
117	MP2B	Mx	-.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	46.17	1
2	MP2A	Z	-79.969	1
3	MP2A	Mx	-.09	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	46.17	5
5	MP2A	Z	-79.969	5
6	MP2A	Mx	-.09	5
7	MP2B	X	39.972	1
8	MP2B	Z	-69.234	1
9	MP2B	Mx	.001	1
10	MP2B	X	39.972	5
11	MP2B	Z	-69.234	5
12	MP2B	Mx	.001	5
13	MP2C	X	48.895	1
14	MP2C	Z	-84.689	1
15	MP2C	Mx	.072	1
16	MP2C	X	48.895	5
17	MP2C	Z	-84.689	5
18	MP2C	Mx	.072	5
19	MP2A	X	46.17	1
20	MP2A	Z	-79.969	1
21	MP2A	Mx	.044	1
22	MP2A	X	46.17	5
23	MP2A	Z	-79.969	5
24	MP2A	Mx	.044	5
25	MP2B	X	39.972	1
26	MP2B	Z	-69.234	1
27	MP2B	Mx	.068	1
28	MP2B	X	39.972	5
29	MP2B	Z	-69.234	5
30	MP2B	Mx	.068	5
31	MP2C	X	48.895	1
32	MP2C	Z	-84.689	1
33	MP2C	Mx	-.089	1
34	MP2C	X	48.895	5
35	MP2C	Z	-84.689	5
36	MP2C	Mx	-.089	5
37	MP3A	X	34.139	2
38	MP3A	Z	-59.131	2
39	MP3A	Mx	-.017	2
40	MP3A	X	34.139	4
41	MP3A	Z	-59.131	4
42	MP3A	Mx	-.017	4
43	MP3B	X	20.754	2
44	MP3B	Z	-35.948	2
45	MP3B	Mx	.018	2
46	MP3B	X	20.754	4
47	MP3B	Z	-35.948	4
48	MP3B	Mx	.018	4
49	MP3C	X	40.024	2
50	MP3C	Z	-69.324	2
51	MP3C	Mx	-.007	2
52	MP3C	X	40.024	4
53	MP3C	Z	-69.324	4
54	MP3C	Mx	-.007	4
55	M117	X	62.081	1
56	M117	Z	-107.527	1
57	M117	Mx	-.031	1
58	MP2A	X	29.634	2
59	MP2A	Z	-51.328	2
60	MP2A	Mx	.015	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2B	X	24.322	2
62	MP2B	Z	-42.127	2
63	MP2B	Mx	-.021	2
64	MP2C	X	31.97	2
65	MP2C	Z	-55.374	2
66	MP2C	Mx	.006	2
67	MP1A	X	28.645	2
68	MP1A	Z	-49.614	2
69	MP1A	Mx	.014	2
70	MP1B	X	21.353	2
71	MP1B	Z	-36.985	2
72	MP1B	Mx	-.018	2
73	MP1C	X	31.851	2
74	MP1C	Z	-55.167	2
75	MP1C	Mx	.006	2
76	MP4A	X	34.274	2
77	MP4A	Z	-59.365	2
78	MP4A	Mx	-.017	2
79	MP4A	X	34.274	4
80	MP4A	Z	-59.365	4
81	MP4A	Mx	-.017	4
82	MP4B	X	33.451	2
83	MP4B	Z	-57.939	2
84	MP4B	Mx	.029	2
85	MP4B	X	33.451	4
86	MP4B	Z	-57.939	4
87	MP4B	Mx	.029	4
88	MP4C	X	34.636	2
89	MP4C	Z	-59.992	2
90	MP4C	Mx	-.006	2
91	MP4C	X	34.636	4
92	MP4C	Z	-59.992	4
93	MP4C	Mx	-.006	4
94	MP2A	X	10.007	4.5
95	MP2A	Z	-17.333	4.5
96	MP2A	Mx	.004	4.5
97	MP2A	X	10.007	5.5
98	MP2A	Z	-17.333	5.5
99	MP2A	Mx	.004	5.5
100	MP2B	X	10.022	4.5
101	MP2B	Z	-17.358	4.5
102	MP2B	Mx	-.021	4.5
103	MP2B	X	10.022	5.5
104	MP2B	Z	-17.358	5.5
105	MP2B	Mx	-.021	5.5
106	MP2A	X	10.007	4.5
107	MP2A	Z	-17.333	4.5
108	MP2A	Mx	.016	4.5
109	MP2A	X	10.007	5.5
110	MP2A	Z	-17.333	5.5
111	MP2A	Mx	.016	5.5
112	MP2B	X	10.022	4.5
113	MP2B	Z	-17.358	4.5
114	MP2B	Mx	-.014	4.5
115	MP2B	X	10.022	5.5
116	MP2B	Z	-17.358	5.5
117	MP2B	Mx	-.014	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	69.234	1
2	MP2A	Z	-39.972	1
3	MP2A	Mx	-.068	1
4	MP2A	X	69.234	5
5	MP2A	Z	-39.972	5
6	MP2A	Mx	-.068	5
7	MP2B	X	79.969	1
8	MP2B	Z	-46.17	1
9	MP2B	Mx	-.044	1
10	MP2B	X	79.969	5
11	MP2B	Z	-46.17	5
12	MP2B	Mx	-.044	5
13	MP2C	X	82.825	1
14	MP2C	Z	-47.819	1
15	MP2C	Mx	.091	1
16	MP2C	X	82.825	5
17	MP2C	Z	-47.819	5
18	MP2C	Mx	.091	5
19	MP2A	X	69.234	1
20	MP2A	Z	-39.972	1
21	MP2A	Mx	-.001	1
22	MP2A	X	69.234	5
23	MP2A	Z	-39.972	5
24	MP2A	Mx	-.001	5
25	MP2B	X	79.969	1
26	MP2B	Z	-46.17	1
27	MP2B	Mx	.09	1
28	MP2B	X	79.969	5
29	MP2B	Z	-46.17	5
30	MP2B	Mx	.09	5
31	MP2C	X	82.825	1
32	MP2C	Z	-47.819	1
33	MP2C	Mx	-.059	1
34	MP2C	X	82.825	5
35	MP2C	Z	-47.819	5
36	MP2C	Mx	-.059	5
37	MP3A	X	35.948	2
38	MP3A	Z	-20.754	2
39	MP3A	Mx	-.018	2
40	MP3A	X	35.948	4
41	MP3A	Z	-20.754	4
42	MP3A	Mx	-.018	4
43	MP3B	X	59.131	2
44	MP3B	Z	-34.139	2
45	MP3B	Mx	.017	2
46	MP3B	X	59.131	4
47	MP3B	Z	-34.139	4
48	MP3B	Mx	.017	4
49	MP3C	X	65.299	2
50	MP3C	Z	-37.7	2
51	MP3C	Mx	.013	2
52	MP3C	X	65.299	4
53	MP3C	Z	-37.7	4
54	MP3C	Mx	.013	4
55	M117	X	93.815	1
56	M117	Z	-54.164	1
57	M117	Mx	-.047	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	42.127	2
59	MP2A	Z	-24.322	2
60	MP2A	Mx	.021	2
61	MP2B	X	51.328	2
62	MP2B	Z	-29.634	2
63	MP2B	Mx	-.015	2
64	MP2C	X	53.776	2
65	MP2C	Z	-31.047	2
66	MP2C	Mx	-.011	2
67	MP1A	X	36.985	2
68	MP1A	Z	-21.353	2
69	MP1A	Mx	.018	2
70	MP1B	X	49.614	2
71	MP1B	Z	-28.645	2
72	MP1B	Mx	-.014	2
73	MP1C	X	52.974	2
74	MP1C	Z	-30.584	2
75	MP1C	Mx	-.01	2
76	MP4A	X	57.939	2
77	MP4A	Z	-33.451	2
78	MP4A	Mx	-.029	2
79	MP4A	X	57.939	4
80	MP4A	Z	-33.451	4
81	MP4A	Mx	-.029	4
82	MP4B	X	59.365	2
83	MP4B	Z	-34.274	2
84	MP4B	Mx	.017	2
85	MP4B	X	59.365	4
86	MP4B	Z	-34.274	4
87	MP4B	Mx	.017	4
88	MP4C	X	59.744	2
89	MP4C	Z	-34.493	2
90	MP4C	Mx	.012	2
91	MP4C	X	59.744	4
92	MP4C	Z	-34.493	4
93	MP4C	Mx	.012	4
94	MP2A	X	17.358	4.5
95	MP2A	Z	-10.022	4.5
96	MP2A	Mx	.014	4.5
97	MP2A	X	17.358	5.5
98	MP2A	Z	-10.022	5.5
99	MP2A	Mx	.014	5.5
100	MP2B	X	17.333	4.5
101	MP2B	Z	-10.007	4.5
102	MP2B	Mx	-.016	4.5
103	MP2B	X	17.333	5.5
104	MP2B	Z	-10.007	5.5
105	MP2B	Mx	-.016	5.5
106	MP2A	X	17.358	4.5
107	MP2A	Z	-10.022	4.5
108	MP2A	Mx	.021	4.5
109	MP2A	X	17.358	5.5
110	MP2A	Z	-10.022	5.5
111	MP2A	Mx	.021	5.5
112	MP2B	X	17.333	4.5
113	MP2B	Z	-10.007	4.5
114	MP2B	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	X	17.333	5.5
116	MP2B	Z	-10.007	5.5
117	MP2B	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	73.747	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.037	1
4	MP2A	X	73.747	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.037	5
7	MP2B	X	98.538	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.082	1
10	MP2B	X	98.538	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.082	5
13	MP2C	X	83.99	1
14	MP2C	Z	0	1
15	MP2C	Mx	.077	1
16	MP2C	X	83.99	5
17	MP2C	Z	0	5
18	MP2C	Mx	.077	5
19	MP2A	X	73.747	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.037	1
22	MP2A	X	73.747	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.037	5
25	MP2B	X	98.538	1
26	MP2B	Z	0	1
27	MP2B	Mx	.082	1
28	MP2B	X	98.538	5
29	MP2B	Z	0	5
30	MP2B	Mx	.082	5
31	MP2C	X	83.99	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.013	1
34	MP2C	X	83.99	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.013	5
37	MP3A	X	28.124	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.014	2
40	MP3A	X	28.124	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.014	4
43	MP3B	X	81.663	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	81.663	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	50.245	2
50	MP3C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	.019	2
52	MP3C	X	50.245	4
53	MP3C	Z	0	4
54	MP3C	Mx	.019	4
55	M117	X	100.412	1
56	M117	Z	0	1
57	M117	Mx	-.05	1
58	MP2A	X	43.332	2
59	MP2A	Z	0	2
60	MP2A	Mx	.022	2
61	MP2B	X	64.581	2
62	MP2B	Z	0	2
63	MP2B	Mx	0	2
64	MP2C	X	52.111	2
65	MP2C	Z	0	2
66	MP2C	Mx	-.02	2
67	MP1A	X	35.415	2
68	MP1A	Z	0	2
69	MP1A	Mx	.018	2
70	MP1B	X	64.581	2
71	MP1B	Z	0	2
72	MP1B	Mx	0	2
73	MP1C	X	47.466	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.018	2
76	MP4A	X	66.079	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.033	2
79	MP4A	X	66.079	4
80	MP4A	Z	0	4
81	MP4A	Mx	-.033	4
82	MP4B	X	69.372	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	69.372	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	67.439	2
89	MP4C	Z	0	2
90	MP4C	Mx	.026	2
91	MP4C	X	67.439	4
92	MP4C	Z	0	4
93	MP4C	Mx	.026	4
94	MP2A	X	20.058	4.5
95	MP2A	Z	0	4.5
96	MP2A	Mx	.02	4.5
97	MP2A	X	20.058	5.5
98	MP2A	Z	0	5.5
99	MP2A	Mx	.02	5.5
100	MP2B	X	19.999	4.5
101	MP2B	Z	0	4.5
102	MP2B	Mx	-.007	4.5
103	MP2B	X	19.999	5.5
104	MP2B	Z	0	5.5
105	MP2B	Mx	-.007	5.5
106	MP2A	X	20.058	4.5
107	MP2A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP2A	Mx	.02	4.5
109	MP2A	X	20.058	5.5
110	MP2A	Z	0	5.5
111	MP2A	Mx	.02	5.5
112	MP2B	X	19.999	4.5
113	MP2B	Z	0	4.5
114	MP2B	Mx	.007	4.5
115	MP2B	X	19.999	5.5
116	MP2B	Z	0	5.5
117	MP2B	Mx	.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	69.234	1
2	MP2A	Z	39.972	1
3	MP2A	Mx	-.001	1
4	MP2A	X	69.234	5
5	MP2A	Z	39.972	5
6	MP2A	Mx	-.001	5
7	MP2B	X	79.969	1
8	MP2B	Z	46.17	1
9	MP2B	Mx	-.09	1
10	MP2B	X	79.969	5
11	MP2B	Z	46.17	5
12	MP2B	Mx	-.09	5
13	MP2C	X	64.514	1
14	MP2C	Z	37.247	1
15	MP2C	Mx	.047	1
16	MP2C	X	64.514	5
17	MP2C	Z	37.247	5
18	MP2C	Mx	.047	5
19	MP2A	X	69.234	1
20	MP2A	Z	39.972	1
21	MP2A	Mx	-.068	1
22	MP2A	X	69.234	5
23	MP2A	Z	39.972	5
24	MP2A	Mx	-.068	5
25	MP2B	X	79.969	1
26	MP2B	Z	46.17	1
27	MP2B	Mx	.044	1
28	MP2B	X	79.969	5
29	MP2B	Z	46.17	5
30	MP2B	Mx	.044	5
31	MP2C	X	64.514	1
32	MP2C	Z	37.247	1
33	MP2C	Mx	.026	1
34	MP2C	X	64.514	5
35	MP2C	Z	37.247	5
36	MP2C	Mx	.026	5
37	MP3A	X	35.948	2
38	MP3A	Z	20.754	2
39	MP3A	Mx	-.018	2
40	MP3A	X	35.948	4
41	MP3A	Z	20.754	4
42	MP3A	Mx	-.018	4
43	MP3B	X	59.131	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	34.139	2
45	MP3B	Mx	-.017	2
46	MP3B	X	59.131	4
47	MP3B	Z	34.139	4
48	MP3B	Mx	-.017	4
49	MP3C	X	25.754	2
50	MP3C	Z	14.869	2
51	MP3C	Mx	.015	2
52	MP3C	X	25.754	4
53	MP3C	Z	14.869	4
54	MP3C	Mx	.015	4
55	M117	X	93.815	1
56	M117	Z	54.164	1
57	M117	Mx	-.047	1
58	MP2A	X	42.127	2
59	MP2A	Z	24.322	2
60	MP2A	Mx	.021	2
61	MP2B	X	51.328	2
62	MP2B	Z	29.634	2
63	MP2B	Mx	.015	2
64	MP2C	X	38.081	2
65	MP2C	Z	21.986	2
66	MP2C	Mx	-.022	2
67	MP1A	X	36.985	2
68	MP1A	Z	21.353	2
69	MP1A	Mx	.018	2
70	MP1B	X	49.614	2
71	MP1B	Z	28.645	2
72	MP1B	Mx	.014	2
73	MP1C	X	31.432	2
74	MP1C	Z	18.147	2
75	MP1C	Mx	-.018	2
76	MP4A	X	57.939	2
77	MP4A	Z	33.451	2
78	MP4A	Mx	-.029	2
79	MP4A	X	57.939	4
80	MP4A	Z	33.451	4
81	MP4A	Mx	-.029	4
82	MP4B	X	59.365	2
83	MP4B	Z	34.274	2
84	MP4B	Mx	-.017	2
85	MP4B	X	59.365	4
86	MP4B	Z	34.274	4
87	MP4B	Mx	-.017	4
88	MP4C	X	57.312	2
89	MP4C	Z	33.089	2
90	MP4C	Mx	.033	2
91	MP4C	X	57.312	4
92	MP4C	Z	33.089	4
93	MP4C	Mx	.033	4
94	MP2A	X	17.358	4.5
95	MP2A	Z	10.022	4.5
96	MP2A	Mx	.021	4.5
97	MP2A	X	17.358	5.5
98	MP2A	Z	10.022	5.5
99	MP2A	Mx	.021	5.5
100	MP2B	X	17.333	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2B	Z	10.007	4.5
102	MP2B	Mx	.004	4.5
103	MP2B	X	17.333	5.5
104	MP2B	Z	10.007	5.5
105	MP2B	Mx	.004	5.5
106	MP2A	X	17.358	4.5
107	MP2A	Z	10.022	4.5
108	MP2A	Mx	.014	4.5
109	MP2A	X	17.358	5.5
110	MP2A	Z	10.022	5.5
111	MP2A	Mx	.014	5.5
112	MP2B	X	17.333	4.5
113	MP2B	Z	10.007	4.5
114	MP2B	Mx	.016	4.5
115	MP2B	X	17.333	5.5
116	MP2B	Z	10.007	5.5
117	MP2B	Mx	.016	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	46.17	1
2	MP2A	Z	79.969	1
3	MP2A	Mx	.044	1
4	MP2A	X	46.17	5
5	MP2A	Z	79.969	5
6	MP2A	Mx	.044	5
7	MP2B	X	39.972	1
8	MP2B	Z	69.234	1
9	MP2B	Mx	-.068	1
10	MP2B	X	39.972	5
11	MP2B	Z	69.234	5
12	MP2B	Mx	-.068	5
13	MP2C	X	38.323	1
14	MP2C	Z	66.378	1
15	MP2C	Mx	.014	1
16	MP2C	X	38.323	5
17	MP2C	Z	66.378	5
18	MP2C	Mx	.014	5
19	MP2A	X	46.17	1
20	MP2A	Z	79.969	1
21	MP2A	Mx	-.09	1
22	MP2A	X	46.17	5
23	MP2A	Z	79.969	5
24	MP2A	Mx	-.09	5
25	MP2B	X	39.972	1
26	MP2B	Z	69.234	1
27	MP2B	Mx	-.001	1
28	MP2B	X	39.972	5
29	MP2B	Z	69.234	5
30	MP2B	Mx	-.001	5
31	MP2C	X	38.323	1
32	MP2C	Z	66.378	1
33	MP2C	Mx	.058	1
34	MP2C	X	38.323	5
35	MP2C	Z	66.378	5
36	MP2C	Mx	.058	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	34.139	2
38	MP3A	Z	59.131	2
39	MP3A	Mx	-.017	2
40	MP3A	X	34.139	4
41	MP3A	Z	59.131	4
42	MP3A	Mx	-.017	4
43	MP3B	X	20.754	2
44	MP3B	Z	35.948	2
45	MP3B	Mx	-.018	2
46	MP3B	X	20.754	4
47	MP3B	Z	35.948	4
48	MP3B	Mx	-.018	4
49	MP3C	X	17.193	2
50	MP3C	Z	29.78	2
51	MP3C	Mx	.016	2
52	MP3C	X	17.193	4
53	MP3C	Z	29.78	4
54	MP3C	Mx	.016	4
55	M117	X	62.081	1
56	M117	Z	107.527	1
57	M117	Mx	-.031	1
58	MP2A	X	29.634	2
59	MP2A	Z	51.328	2
60	MP2A	Mx	.015	2
61	MP2B	X	24.322	2
62	MP2B	Z	42.127	2
63	MP2B	Mx	.021	2
64	MP2C	X	22.909	2
65	MP2C	Z	39.679	2
66	MP2C	Mx	-.022	2
67	MP1A	X	28.645	2
68	MP1A	Z	49.614	2
69	MP1A	Mx	.014	2
70	MP1B	X	21.353	2
71	MP1B	Z	36.985	2
72	MP1B	Mx	.018	2
73	MP1C	X	19.413	2
74	MP1C	Z	33.625	2
75	MP1C	Mx	-.018	2
76	MP4A	X	34.274	2
77	MP4A	Z	59.365	2
78	MP4A	Mx	-.017	2
79	MP4A	X	34.274	4
80	MP4A	Z	59.365	4
81	MP4A	Mx	-.017	4
82	MP4B	X	33.451	2
83	MP4B	Z	57.939	2
84	MP4B	Mx	-.029	2
85	MP4B	X	33.451	4
86	MP4B	Z	57.939	4
87	MP4B	Mx	-.029	4
88	MP4C	X	33.232	2
89	MP4C	Z	57.56	2
90	MP4C	Mx	.031	2
91	MP4C	X	33.232	4
92	MP4C	Z	57.56	4
93	MP4C	Mx	.031	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP2A	X	10.007	4.5
95	MP2A	Z	17.333	4.5
96	MP2A	Mx	.016	4.5
97	MP2A	X	10.007	5.5
98	MP2A	Z	17.333	5.5
99	MP2A	Mx	.016	5.5
100	MP2B	X	10.022	4.5
101	MP2B	Z	17.358	4.5
102	MP2B	Mx	.014	4.5
103	MP2B	X	10.022	5.5
104	MP2B	Z	17.358	5.5
105	MP2B	Mx	.014	5.5
106	MP2A	X	10.007	4.5
107	MP2A	Z	17.333	4.5
108	MP2A	Mx	.004	4.5
109	MP2A	X	10.007	5.5
110	MP2A	Z	17.333	5.5
111	MP2A	Mx	.004	5.5
112	MP2B	X	10.022	4.5
113	MP2B	Z	17.358	4.5
114	MP2B	Mx	.021	4.5
115	MP2B	X	10.022	5.5
116	MP2B	Z	17.358	5.5
117	MP2B	Mx	.021	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	98.538	1
3	MP2A	Mx	.082	1
4	MP2A	X	0	5
5	MP2A	Z	98.538	5
6	MP2A	Mx	.082	5
7	MP2B	X	0	1
8	MP2B	Z	73.747	1
9	MP2B	Mx	-.037	1
10	MP2B	X	0	5
11	MP2B	Z	73.747	5
12	MP2B	Mx	-.037	5
13	MP2C	X	0	1
14	MP2C	Z	88.295	1
15	MP2C	Mx	-.028	1
16	MP2C	X	0	5
17	MP2C	Z	88.295	5
18	MP2C	Mx	-.028	5
19	MP2A	X	0	1
20	MP2A	Z	98.538	1
21	MP2A	Mx	-.082	1
22	MP2A	X	0	5
23	MP2A	Z	98.538	5
24	MP2A	Mx	-.082	5
25	MP2B	X	0	1
26	MP2B	Z	73.747	1
27	MP2B	Mx	-.037	1
28	MP2B	X	0	5
29	MP2B	Z	73.747	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	-.037	5
31	MP2C	X	0	1
32	MP2C	Z	88.295	1
33	MP2C	Mx	.085	1
34	MP2C	X	0	5
35	MP2C	Z	88.295	5
36	MP2C	Mx	.085	5
37	MP3A	X	0	2
38	MP3A	Z	81.663	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	81.663	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	28.124	2
45	MP3B	Mx	-.014	2
46	MP3B	X	0	4
47	MP3B	Z	28.124	4
48	MP3B	Mx	-.014	4
49	MP3C	X	0	2
50	MP3C	Z	59.542	2
51	MP3C	Mx	.019	2
52	MP3C	X	0	4
53	MP3C	Z	59.542	4
54	MP3C	Mx	.019	4
55	M117	X	0	1
56	M117	Z	132.078	1
57	M117	Mx	0	1
58	MP2A	X	0	2
59	MP2A	Z	64.581	2
60	MP2A	Mx	0	2
61	MP2B	X	0	2
62	MP2B	Z	43.332	2
63	MP2B	Mx	.022	2
64	MP2C	X	0	2
65	MP2C	Z	55.801	2
66	MP2C	Mx	-.018	2
67	MP1A	X	0	2
68	MP1A	Z	64.581	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	35.415	2
72	MP1B	Mx	.018	2
73	MP1C	X	0	2
74	MP1C	Z	52.53	2
75	MP1C	Mx	-.017	2
76	MP4A	X	0	2
77	MP4A	Z	69.372	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	69.372	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	66.079	2
84	MP4B	Mx	-.033	2
85	MP4B	X	0	4
86	MP4B	Z	66.079	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4B	Mx	-.033	4
88	MP4C	X	0	2
89	MP4C	Z	68.011	2
90	MP4C	Mx	.022	2
91	MP4C	X	0	4
92	MP4C	Z	68.011	4
93	MP4C	Mx	.022	4
94	MP2A	X	0	4.5
95	MP2A	Z	19.999	4.5
96	MP2A	Mx	.007	4.5
97	MP2A	X	0	5.5
98	MP2A	Z	19.999	5.5
99	MP2A	Mx	.007	5.5
100	MP2B	X	0	4.5
101	MP2B	Z	20.058	4.5
102	MP2B	Mx	.02	4.5
103	MP2B	X	0	5.5
104	MP2B	Z	20.058	5.5
105	MP2B	Mx	.02	5.5
106	MP2A	X	0	4.5
107	MP2A	Z	19.999	4.5
108	MP2A	Mx	-.007	4.5
109	MP2A	X	0	5.5
110	MP2A	Z	19.999	5.5
111	MP2A	Mx	-.007	5.5
112	MP2B	X	0	4.5
113	MP2B	Z	20.058	4.5
114	MP2B	Mx	.02	4.5
115	MP2B	X	0	5.5
116	MP2B	Z	20.058	5.5
117	MP2B	Mx	.02	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-46.17	1
2	MP2A	Z	79.969	1
3	MP2A	Mx	.09	1
4	MP2A	X	-46.17	5
5	MP2A	Z	79.969	5
6	MP2A	Mx	.09	5
7	MP2B	X	-39.972	1
8	MP2B	Z	69.234	1
9	MP2B	Mx	-.001	1
10	MP2B	X	-39.972	5
11	MP2B	Z	69.234	5
12	MP2B	Mx	-.001	5
13	MP2C	X	-48.895	1
14	MP2C	Z	84.689	1
15	MP2C	Mx	-.072	1
16	MP2C	X	-48.895	5
17	MP2C	Z	84.689	5
18	MP2C	Mx	-.072	5
19	MP2A	X	-46.17	1
20	MP2A	Z	79.969	1
21	MP2A	Mx	-.044	1
22	MP2A	X	-46.17	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	79.969	5
24	MP2A	Mx	-.044	5
25	MP2B	X	-39.972	1
26	MP2B	Z	69.234	1
27	MP2B	Mx	-.068	1
28	MP2B	X	-39.972	5
29	MP2B	Z	69.234	5
30	MP2B	Mx	-.068	5
31	MP2C	X	-48.895	1
32	MP2C	Z	84.689	1
33	MP2C	Mx	.089	1
34	MP2C	X	-48.895	5
35	MP2C	Z	84.689	5
36	MP2C	Mx	.089	5
37	MP3A	X	-34.139	2
38	MP3A	Z	59.131	2
39	MP3A	Mx	.017	2
40	MP3A	X	-34.139	4
41	MP3A	Z	59.131	4
42	MP3A	Mx	.017	4
43	MP3B	X	-20.754	2
44	MP3B	Z	35.948	2
45	MP3B	Mx	-.018	2
46	MP3B	X	-20.754	4
47	MP3B	Z	35.948	4
48	MP3B	Mx	-.018	4
49	MP3C	X	-40.024	2
50	MP3C	Z	69.324	2
51	MP3C	Mx	.007	2
52	MP3C	X	-40.024	4
53	MP3C	Z	69.324	4
54	MP3C	Mx	.007	4
55	M117	X	-62.081	1
56	M117	Z	107.527	1
57	M117	Mx	.031	1
58	MP2A	X	-29.634	2
59	MP2A	Z	51.328	2
60	MP2A	Mx	-.015	2
61	MP2B	X	-24.322	2
62	MP2B	Z	42.127	2
63	MP2B	Mx	.021	2
64	MP2C	X	-31.97	2
65	MP2C	Z	55.374	2
66	MP2C	Mx	-.006	2
67	MP1A	X	-28.645	2
68	MP1A	Z	49.614	2
69	MP1A	Mx	-.014	2
70	MP1B	X	-21.353	2
71	MP1B	Z	36.985	2
72	MP1B	Mx	.018	2
73	MP1C	X	-31.851	2
74	MP1C	Z	55.167	2
75	MP1C	Mx	-.006	2
76	MP4A	X	-34.274	2
77	MP4A	Z	59.365	2
78	MP4A	Mx	.017	2
79	MP4A	X	-34.274	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	59.365	4
81	MP4A	Mx	.017	4
82	MP4B	X	-33.451	2
83	MP4B	Z	57.939	2
84	MP4B	Mx	-.029	2
85	MP4B	X	-33.451	4
86	MP4B	Z	57.939	4
87	MP4B	Mx	-.029	4
88	MP4C	X	-34.636	2
89	MP4C	Z	59.992	2
90	MP4C	Mx	.006	2
91	MP4C	X	-34.636	4
92	MP4C	Z	59.992	4
93	MP4C	Mx	.006	4
94	MP2A	X	-10.007	4.5
95	MP2A	Z	17.333	4.5
96	MP2A	Mx	-.004	4.5
97	MP2A	X	-10.007	5.5
98	MP2A	Z	17.333	5.5
99	MP2A	Mx	-.004	5.5
100	MP2B	X	-10.022	4.5
101	MP2B	Z	17.358	4.5
102	MP2B	Mx	.021	4.5
103	MP2B	X	-10.022	5.5
104	MP2B	Z	17.358	5.5
105	MP2B	Mx	.021	5.5
106	MP2A	X	-10.007	4.5
107	MP2A	Z	17.333	4.5
108	MP2A	Mx	-.016	4.5
109	MP2A	X	-10.007	5.5
110	MP2A	Z	17.333	5.5
111	MP2A	Mx	-.016	5.5
112	MP2B	X	-10.022	4.5
113	MP2B	Z	17.358	4.5
114	MP2B	Mx	.014	4.5
115	MP2B	X	-10.022	5.5
116	MP2B	Z	17.358	5.5
117	MP2B	Mx	.014	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-69.234	1
2	MP2A	Z	39.972	1
3	MP2A	Mx	.068	1
4	MP2A	X	-69.234	5
5	MP2A	Z	39.972	5
6	MP2A	Mx	.068	5
7	MP2B	X	-79.969	1
8	MP2B	Z	46.17	1
9	MP2B	Mx	.044	1
10	MP2B	X	-79.969	5
11	MP2B	Z	46.17	5
12	MP2B	Mx	.044	5
13	MP2C	X	-82.825	1
14	MP2C	Z	47.819	1
15	MP2C	Mx	-.091	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	-82.825	5
17	MP2C	Z	47.819	5
18	MP2C	Mx	-.091	5
19	MP2A	X	-69.234	1
20	MP2A	Z	39.972	1
21	MP2A	Mx	.001	1
22	MP2A	X	-69.234	5
23	MP2A	Z	39.972	5
24	MP2A	Mx	.001	5
25	MP2B	X	-79.969	1
26	MP2B	Z	46.17	1
27	MP2B	Mx	-.09	1
28	MP2B	X	-79.969	5
29	MP2B	Z	46.17	5
30	MP2B	Mx	-.09	5
31	MP2C	X	-82.825	1
32	MP2C	Z	47.819	1
33	MP2C	Mx	.059	1
34	MP2C	X	-82.825	5
35	MP2C	Z	47.819	5
36	MP2C	Mx	.059	5
37	MP3A	X	-35.948	2
38	MP3A	Z	20.754	2
39	MP3A	Mx	.018	2
40	MP3A	X	-35.948	4
41	MP3A	Z	20.754	4
42	MP3A	Mx	.018	4
43	MP3B	X	-59.131	2
44	MP3B	Z	34.139	2
45	MP3B	Mx	-.017	2
46	MP3B	X	-59.131	4
47	MP3B	Z	34.139	4
48	MP3B	Mx	-.017	4
49	MP3C	X	-65.299	2
50	MP3C	Z	37.7	2
51	MP3C	Mx	-.013	2
52	MP3C	X	-65.299	4
53	MP3C	Z	37.7	4
54	MP3C	Mx	-.013	4
55	M117	X	-93.815	1
56	M117	Z	54.164	1
57	M117	Mx	.047	1
58	MP2A	X	-42.127	2
59	MP2A	Z	24.322	2
60	MP2A	Mx	-.021	2
61	MP2B	X	-51.328	2
62	MP2B	Z	29.634	2
63	MP2B	Mx	.015	2
64	MP2C	X	-53.776	2
65	MP2C	Z	31.047	2
66	MP2C	Mx	.011	2
67	MP1A	X	-36.985	2
68	MP1A	Z	21.353	2
69	MP1A	Mx	-.018	2
70	MP1B	X	-49.614	2
71	MP1B	Z	28.645	2
72	MP1B	Mx	.014	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1C	X	-52.974	2
74	MP1C	Z	30.584	2
75	MP1C	Mx	.01	2
76	MP4A	X	-57.939	2
77	MP4A	Z	33.451	2
78	MP4A	Mx	.029	2
79	MP4A	X	-57.939	4
80	MP4A	Z	33.451	4
81	MP4A	Mx	.029	4
82	MP4B	X	-59.365	2
83	MP4B	Z	34.274	2
84	MP4B	Mx	-.017	2
85	MP4B	X	-59.365	4
86	MP4B	Z	34.274	4
87	MP4B	Mx	-.017	4
88	MP4C	X	-59.744	2
89	MP4C	Z	34.493	2
90	MP4C	Mx	-.012	2
91	MP4C	X	-59.744	4
92	MP4C	Z	34.493	4
93	MP4C	Mx	-.012	4
94	MP2A	X	-17.358	4.5
95	MP2A	Z	10.022	4.5
96	MP2A	Mx	-.014	4.5
97	MP2A	X	-17.358	5.5
98	MP2A	Z	10.022	5.5
99	MP2A	Mx	-.014	5.5
100	MP2B	X	-17.333	4.5
101	MP2B	Z	10.007	4.5
102	MP2B	Mx	.016	4.5
103	MP2B	X	-17.333	5.5
104	MP2B	Z	10.007	5.5
105	MP2B	Mx	.016	5.5
106	MP2A	X	-17.358	4.5
107	MP2A	Z	10.022	4.5
108	MP2A	Mx	-.021	4.5
109	MP2A	X	-17.358	5.5
110	MP2A	Z	10.022	5.5
111	MP2A	Mx	-.021	5.5
112	MP2B	X	-17.333	4.5
113	MP2B	Z	10.007	4.5
114	MP2B	Mx	.004	4.5
115	MP2B	X	-17.333	5.5
116	MP2B	Z	10.007	5.5
117	MP2B	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-73.747	1
2	MP2A	Z	0	1
3	MP2A	Mx	.037	1
4	MP2A	X	-73.747	5
5	MP2A	Z	0	5
6	MP2A	Mx	.037	5
7	MP2B	X	-98.538	1
8	MP2B	Z	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.082	1
10	MP2B	X	-98.538	5
11	MP2B	Z	0	5
12	MP2B	Mx	.082	5
13	MP2C	X	-83.99	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.077	1
16	MP2C	X	-83.99	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.077	5
19	MP2A	X	-73.747	1
20	MP2A	Z	0	1
21	MP2A	Mx	.037	1
22	MP2A	X	-73.747	5
23	MP2A	Z	0	5
24	MP2A	Mx	.037	5
25	MP2B	X	-98.538	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.082	1
28	MP2B	X	-98.538	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.082	5
31	MP2C	X	-83.99	1
32	MP2C	Z	0	1
33	MP2C	Mx	.013	1
34	MP2C	X	-83.99	5
35	MP2C	Z	0	5
36	MP2C	Mx	.013	5
37	MP3A	X	-28.124	2
38	MP3A	Z	0	2
39	MP3A	Mx	.014	2
40	MP3A	X	-28.124	4
41	MP3A	Z	0	4
42	MP3A	Mx	.014	4
43	MP3B	X	-81.663	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	-81.663	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	-50.245	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.019	2
52	MP3C	X	-50.245	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.019	4
55	M117	X	-100.412	1
56	M117	Z	0	1
57	M117	Mx	.05	1
58	MP2A	X	-43.332	2
59	MP2A	Z	0	2
60	MP2A	Mx	-.022	2
61	MP2B	X	-64.581	2
62	MP2B	Z	0	2
63	MP2B	Mx	0	2
64	MP2C	X	-52.111	2
65	MP2C	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	.02	2
67	MP1A	X	-35.415	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.018	2
70	MP1B	X	-64.581	2
71	MP1B	Z	0	2
72	MP1B	Mx	0	2
73	MP1C	X	-47.466	2
74	MP1C	Z	0	2
75	MP1C	Mx	.018	2
76	MP4A	X	-66.079	2
77	MP4A	Z	0	2
78	MP4A	Mx	.033	2
79	MP4A	X	-66.079	4
80	MP4A	Z	0	4
81	MP4A	Mx	.033	4
82	MP4B	X	-69.372	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	-69.372	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	-67.439	2
89	MP4C	Z	0	2
90	MP4C	Mx	-.026	2
91	MP4C	X	-67.439	4
92	MP4C	Z	0	4
93	MP4C	Mx	-.026	4
94	MP2A	X	-20.058	4.5
95	MP2A	Z	0	4.5
96	MP2A	Mx	-.02	4.5
97	MP2A	X	-20.058	5.5
98	MP2A	Z	0	5.5
99	MP2A	Mx	-.02	5.5
100	MP2B	X	-19.999	4.5
101	MP2B	Z	0	4.5
102	MP2B	Mx	.007	4.5
103	MP2B	X	-19.999	5.5
104	MP2B	Z	0	5.5
105	MP2B	Mx	.007	5.5
106	MP2A	X	-20.058	4.5
107	MP2A	Z	0	4.5
108	MP2A	Mx	-.02	4.5
109	MP2A	X	-20.058	5.5
110	MP2A	Z	0	5.5
111	MP2A	Mx	-.02	5.5
112	MP2B	X	-19.999	4.5
113	MP2B	Z	0	4.5
114	MP2B	Mx	-.007	4.5
115	MP2B	X	-19.999	5.5
116	MP2B	Z	0	5.5
117	MP2B	Mx	-.007	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-69.234	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-39.972	1
3	MP2A	Mx	.001	1
4	MP2A	X	-69.234	5
5	MP2A	Z	-39.972	5
6	MP2A	Mx	.001	5
7	MP2B	X	-79.969	1
8	MP2B	Z	-46.17	1
9	MP2B	Mx	.09	1
10	MP2B	X	-79.969	5
11	MP2B	Z	-46.17	5
12	MP2B	Mx	.09	5
13	MP2C	X	-64.514	1
14	MP2C	Z	-37.247	1
15	MP2C	Mx	-.047	1
16	MP2C	X	-64.514	5
17	MP2C	Z	-37.247	5
18	MP2C	Mx	-.047	5
19	MP2A	X	-69.234	1
20	MP2A	Z	-39.972	1
21	MP2A	Mx	.068	1
22	MP2A	X	-69.234	5
23	MP2A	Z	-39.972	5
24	MP2A	Mx	.068	5
25	MP2B	X	-79.969	1
26	MP2B	Z	-46.17	1
27	MP2B	Mx	-.044	1
28	MP2B	X	-79.969	5
29	MP2B	Z	-46.17	5
30	MP2B	Mx	-.044	5
31	MP2C	X	-64.514	1
32	MP2C	Z	-37.247	1
33	MP2C	Mx	-.026	1
34	MP2C	X	-64.514	5
35	MP2C	Z	-37.247	5
36	MP2C	Mx	-.026	5
37	MP3A	X	-35.948	2
38	MP3A	Z	-20.754	2
39	MP3A	Mx	.018	2
40	MP3A	X	-35.948	4
41	MP3A	Z	-20.754	4
42	MP3A	Mx	.018	4
43	MP3B	X	-59.131	2
44	MP3B	Z	-34.139	2
45	MP3B	Mx	.017	2
46	MP3B	X	-59.131	4
47	MP3B	Z	-34.139	4
48	MP3B	Mx	.017	4
49	MP3C	X	-25.754	2
50	MP3C	Z	-14.869	2
51	MP3C	Mx	-.015	2
52	MP3C	X	-25.754	4
53	MP3C	Z	-14.869	4
54	MP3C	Mx	-.015	4
55	M117	X	-93.815	1
56	M117	Z	-54.164	1
57	M117	Mx	.047	1
58	MP2A	X	-42.127	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2A	Z	-24.322	2
60	MP2A	Mx	-.021	2
61	MP2B	X	-51.328	2
62	MP2B	Z	-29.634	2
63	MP2B	Mx	-.015	2
64	MP2C	X	-38.081	2
65	MP2C	Z	-21.986	2
66	MP2C	Mx	.022	2
67	MP1A	X	-36.985	2
68	MP1A	Z	-21.353	2
69	MP1A	Mx	-.018	2
70	MP1B	X	-49.614	2
71	MP1B	Z	-28.645	2
72	MP1B	Mx	-.014	2
73	MP1C	X	-31.432	2
74	MP1C	Z	-18.147	2
75	MP1C	Mx	.018	2
76	MP4A	X	-57.939	2
77	MP4A	Z	-33.451	2
78	MP4A	Mx	.029	2
79	MP4A	X	-57.939	4
80	MP4A	Z	-33.451	4
81	MP4A	Mx	.029	4
82	MP4B	X	-59.365	2
83	MP4B	Z	-34.274	2
84	MP4B	Mx	.017	2
85	MP4B	X	-59.365	4
86	MP4B	Z	-34.274	4
87	MP4B	Mx	.017	4
88	MP4C	X	-57.312	2
89	MP4C	Z	-33.089	2
90	MP4C	Mx	-.033	2
91	MP4C	X	-57.312	4
92	MP4C	Z	-33.089	4
93	MP4C	Mx	-.033	4
94	MP2A	X	-17.358	4.5
95	MP2A	Z	-10.022	4.5
96	MP2A	Mx	-.021	4.5
97	MP2A	X	-17.358	5.5
98	MP2A	Z	-10.022	5.5
99	MP2A	Mx	-.021	5.5
100	MP2B	X	-17.333	4.5
101	MP2B	Z	-10.007	4.5
102	MP2B	Mx	-.004	4.5
103	MP2B	X	-17.333	5.5
104	MP2B	Z	-10.007	5.5
105	MP2B	Mx	-.004	5.5
106	MP2A	X	-17.358	4.5
107	MP2A	Z	-10.022	4.5
108	MP2A	Mx	-.014	4.5
109	MP2A	X	-17.358	5.5
110	MP2A	Z	-10.022	5.5
111	MP2A	Mx	-.014	5.5
112	MP2B	X	-17.333	4.5
113	MP2B	Z	-10.007	4.5
114	MP2B	Mx	-.016	4.5
115	MP2B	X	-17.333	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP2B	Z	-10.007	5.5
117	MP2B	Mx	-.016	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-46.17	1
2	MP2A	Z	-79.969	1
3	MP2A	Mx	-.044	1
4	MP2A	X	-46.17	5
5	MP2A	Z	-79.969	5
6	MP2A	Mx	-.044	5
7	MP2B	X	-39.972	1
8	MP2B	Z	-69.234	1
9	MP2B	Mx	.068	1
10	MP2B	X	-39.972	5
11	MP2B	Z	-69.234	5
12	MP2B	Mx	.068	5
13	MP2C	X	-38.323	1
14	MP2C	Z	-66.378	1
15	MP2C	Mx	-.014	1
16	MP2C	X	-38.323	5
17	MP2C	Z	-66.378	5
18	MP2C	Mx	-.014	5
19	MP2A	X	-46.17	1
20	MP2A	Z	-79.969	1
21	MP2A	Mx	.09	1
22	MP2A	X	-46.17	5
23	MP2A	Z	-79.969	5
24	MP2A	Mx	.09	5
25	MP2B	X	-39.972	1
26	MP2B	Z	-69.234	1
27	MP2B	Mx	.001	1
28	MP2B	X	-39.972	5
29	MP2B	Z	-69.234	5
30	MP2B	Mx	.001	5
31	MP2C	X	-38.323	1
32	MP2C	Z	-66.378	1
33	MP2C	Mx	-.058	1
34	MP2C	X	-38.323	5
35	MP2C	Z	-66.378	5
36	MP2C	Mx	-.058	5
37	MP3A	X	-34.139	2
38	MP3A	Z	-59.131	2
39	MP3A	Mx	.017	2
40	MP3A	X	-34.139	4
41	MP3A	Z	-59.131	4
42	MP3A	Mx	.017	4
43	MP3B	X	-20.754	2
44	MP3B	Z	-35.948	2
45	MP3B	Mx	.018	2
46	MP3B	X	-20.754	4
47	MP3B	Z	-35.948	4
48	MP3B	Mx	.018	4
49	MP3C	X	-17.193	2
50	MP3C	Z	-29.78	2
51	MP3C	Mx	-.016	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP3C	X	-17.193	4
53	MP3C	Z	-29.78	4
54	MP3C	Mx	-.016	4
55	M117	X	-62.081	1
56	M117	Z	-107.527	1
57	M117	Mx	.031	1
58	MP2A	X	-29.634	2
59	MP2A	Z	-51.328	2
60	MP2A	Mx	-.015	2
61	MP2B	X	-24.322	2
62	MP2B	Z	-42.127	2
63	MP2B	Mx	-.021	2
64	MP2C	X	-22.909	2
65	MP2C	Z	-39.679	2
66	MP2C	Mx	.022	2
67	MP1A	X	-28.645	2
68	MP1A	Z	-49.614	2
69	MP1A	Mx	-.014	2
70	MP1B	X	-21.353	2
71	MP1B	Z	-36.985	2
72	MP1B	Mx	-.018	2
73	MP1C	X	-19.413	2
74	MP1C	Z	-33.625	2
75	MP1C	Mx	.018	2
76	MP4A	X	-34.274	2
77	MP4A	Z	-59.365	2
78	MP4A	Mx	.017	2
79	MP4A	X	-34.274	4
80	MP4A	Z	-59.365	4
81	MP4A	Mx	.017	4
82	MP4B	X	-33.451	2
83	MP4B	Z	-57.939	2
84	MP4B	Mx	.029	2
85	MP4B	X	-33.451	4
86	MP4B	Z	-57.939	4
87	MP4B	Mx	.029	4
88	MP4C	X	-33.232	2
89	MP4C	Z	-57.56	2
90	MP4C	Mx	-.031	2
91	MP4C	X	-33.232	4
92	MP4C	Z	-57.56	4
93	MP4C	Mx	-.031	4
94	MP2A	X	-10.007	4.5
95	MP2A	Z	-17.333	4.5
96	MP2A	Mx	-.016	4.5
97	MP2A	X	-10.007	5.5
98	MP2A	Z	-17.333	5.5
99	MP2A	Mx	-.016	5.5
100	MP2B	X	-10.022	4.5
101	MP2B	Z	-17.358	4.5
102	MP2B	Mx	-.014	4.5
103	MP2B	X	-10.022	5.5
104	MP2B	Z	-17.358	5.5
105	MP2B	Mx	-.014	5.5
106	MP2A	X	-10.007	4.5
107	MP2A	Z	-17.333	4.5
108	MP2A	Mx	-.004	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
109	MP2A	X	-10.007	5.5
110	MP2A	Z	-17.333	5.5
111	MP2A	Mx	-.004	5.5
112	MP2B	X	-10.022	4.5
113	MP2B	Z	-17.358	4.5
114	MP2B	Mx	-.021	4.5
115	MP2B	X	-10.022	5.5
116	MP2B	Z	-17.358	5.5
117	MP2B	Mx	-.021	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-38.922	1
3	MP2A	Mx	-.032	1
4	MP2A	X	0	5
5	MP2A	Z	-38.922	5
6	MP2A	Mx	-.032	5
7	MP2B	X	0	1
8	MP2B	Z	-29.444	1
9	MP2B	Mx	.015	1
10	MP2B	X	0	5
11	MP2B	Z	-29.444	5
12	MP2B	Mx	.015	5
13	MP2C	X	0	1
14	MP2C	Z	-35.006	1
15	MP2C	Mx	.011	1
16	MP2C	X	0	5
17	MP2C	Z	-35.006	5
18	MP2C	Mx	.011	5
19	MP2A	X	0	1
20	MP2A	Z	-38.922	1
21	MP2A	Mx	.032	1
22	MP2A	X	0	5
23	MP2A	Z	-38.922	5
24	MP2A	Mx	.032	5
25	MP2B	X	0	1
26	MP2B	Z	-29.444	1
27	MP2B	Mx	.015	1
28	MP2B	X	0	5
29	MP2B	Z	-29.444	5
30	MP2B	Mx	.015	5
31	MP2C	X	0	1
32	MP2C	Z	-35.006	1
33	MP2C	Mx	-.034	1
34	MP2C	X	0	5
35	MP2C	Z	-35.006	5
36	MP2C	Mx	-.034	5
37	MP3A	X	0	2
38	MP3A	Z	-19.201	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	-19.201	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-8.178	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
45	MP3B	Mx	.004	2
46	MP3B	X	0	4
47	MP3B	Z	-8.178	4
48	MP3B	Mx	.004	4
49	MP3C	X	0	2
50	MP3C	Z	-14.646	2
51	MP3C	Mx	-.005	2
52	MP3C	X	0	4
53	MP3C	Z	-14.646	4
54	MP3C	Mx	-.005	4
55	M117	X	0	1
56	M117	Z	-31.255	1
57	M117	Mx	0	1
58	MP2A	X	0	2
59	MP2A	Z	-16.181	2
60	MP2A	Mx	0	2
61	MP2B	X	0	2
62	MP2B	Z	-11.255	2
63	MP2B	Mx	-.006	2
64	MP2C	X	0	2
65	MP2C	Z	-14.146	2
66	MP2C	Mx	.005	2
67	MP1A	X	0	2
68	MP1A	Z	-16.181	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	-9.383	2
72	MP1B	Mx	-.005	2
73	MP1C	X	0	2
74	MP1C	Z	-13.372	2
75	MP1C	Mx	.004	2
76	MP4A	X	0	2
77	MP4A	Z	-14.004	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	-14.004	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	-13.387	2
84	MP4B	Mx	.007	2
85	MP4B	X	0	4
86	MP4B	Z	-13.387	4
87	MP4B	Mx	.007	4
88	MP4C	X	0	2
89	MP4C	Z	-13.749	2
90	MP4C	Mx	-.004	2
91	MP4C	X	0	4
92	MP4C	Z	-13.749	4
93	MP4C	Mx	-.004	4
94	MP2A	X	0	4.5
95	MP2A	Z	-1.675	4.5
96	MP2A	Mx	-.000558	4.5
97	MP2A	X	0	5.5
98	MP2A	Z	-1.675	5.5
99	MP2A	Mx	-.000558	5.5
100	MP2B	X	0	4.5
101	MP2B	Z	-4.447	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
102	MP2B	Mx	-.004	4.5
103	MP2B	X	0	5.5
104	MP2B	Z	-4.447	5.5
105	MP2B	Mx	-.004	5.5
106	MP2A	X	0	4.5
107	MP2A	Z	-1.675	4.5
108	MP2A	Mx	.000558	4.5
109	MP2A	X	0	5.5
110	MP2A	Z	-1.675	5.5
111	MP2A	Mx	.000558	5.5
112	MP2B	X	0	4.5
113	MP2B	Z	-4.447	4.5
114	MP2B	Mx	-.004	4.5
115	MP2B	X	0	5.5
116	MP2B	Z	-4.447	5.5
117	MP2B	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.276	1
2	MP2A	Z	-31.655	1
3	MP2A	Mx	-.036	1
4	MP2A	X	18.276	5
5	MP2A	Z	-31.655	5
6	MP2A	Mx	-.036	5
7	MP2B	X	15.907	1
8	MP2B	Z	-27.551	1
9	MP2B	Mx	.00052	1
10	MP2B	X	15.907	5
11	MP2B	Z	-27.551	5
12	MP2B	Mx	.00052	5
13	MP2C	X	19.318	1
14	MP2C	Z	-33.46	1
15	MP2C	Mx	.028	1
16	MP2C	X	19.318	5
17	MP2C	Z	-33.46	5
18	MP2C	Mx	.028	5
19	MP2A	X	18.276	1
20	MP2A	Z	-31.655	1
21	MP2A	Mx	.017	1
22	MP2A	X	18.276	5
23	MP2A	Z	-31.655	5
24	MP2A	Mx	.017	5
25	MP2B	X	15.907	1
26	MP2B	Z	-27.551	1
27	MP2B	Mx	.027	1
28	MP2B	X	15.907	5
29	MP2B	Z	-27.551	5
30	MP2B	Mx	.027	5
31	MP2C	X	19.318	1
32	MP2C	Z	-33.46	1
33	MP2C	Mx	-.035	1
34	MP2C	X	19.318	5
35	MP2C	Z	-33.46	5
36	MP2C	Mx	-.035	5
37	MP3A	X	8.222	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
38	MP3A	Z	-14.242	2
39	MP3A	Mx	-.004	2
40	MP3A	X	8.222	4
41	MP3A	Z	-14.242	4
42	MP3A	Mx	-.004	4
43	MP3B	X	5.467	2
44	MP3B	Z	-9.469	2
45	MP3B	Mx	.005	2
46	MP3B	X	5.467	4
47	MP3B	Z	-9.469	4
48	MP3B	Mx	.005	4
49	MP3C	X	9.434	2
50	MP3C	Z	-16.34	2
51	MP3C	Mx	-.002	2
52	MP3C	X	9.434	4
53	MP3C	Z	-16.34	4
54	MP3C	Mx	-.002	4
55	M117	X	14.393	1
56	M117	Z	-24.929	1
57	M117	Mx	-.007	1
58	MP2A	X	7.475	2
59	MP2A	Z	-12.947	2
60	MP2A	Mx	.004	2
61	MP2B	X	6.243	2
62	MP2B	Z	-10.814	2
63	MP2B	Mx	-.005	2
64	MP2C	X	8.016	2
65	MP2C	Z	-13.885	2
66	MP2C	Mx	.001	2
67	MP1A	X	7.241	2
68	MP1A	Z	-12.542	2
69	MP1A	Mx	.004	2
70	MP1B	X	5.541	2
71	MP1B	Z	-9.598	2
72	MP1B	Mx	-.005	2
73	MP1C	X	7.988	2
74	MP1C	Z	-13.836	2
75	MP1C	Mx	.001	2
76	MP4A	X	6.925	2
77	MP4A	Z	-11.994	2
78	MP4A	Mx	-.003	2
79	MP4A	X	6.925	4
80	MP4A	Z	-11.994	4
81	MP4A	Mx	-.003	4
82	MP4B	X	6.771	2
83	MP4B	Z	-11.727	2
84	MP4B	Mx	.006	2
85	MP4B	X	6.771	4
86	MP4B	Z	-11.727	4
87	MP4B	Mx	.006	4
88	MP4C	X	6.993	2
89	MP4C	Z	-12.112	2
90	MP4C	Mx	-.001	2
91	MP4C	X	6.993	4
92	MP4C	Z	-12.112	4
93	MP4C	Mx	-.001	4
94	MP2A	X	1.184	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
95	MP2A	Z	-2.051	4.5
96	MP2A	Mx	.0005	4.5
97	MP2A	X	1.184	5.5
98	MP2A	Z	-2.051	5.5
99	MP2A	Mx	.0005	5.5
100	MP2B	X	1.877	4.5
101	MP2B	Z	-3.251	4.5
102	MP2B	Mx	-.004	4.5
103	MP2B	X	1.877	5.5
104	MP2B	Z	-3.251	5.5
105	MP2B	Mx	-.004	5.5
106	MP2A	X	1.184	4.5
107	MP2A	Z	-2.051	4.5
108	MP2A	Mx	.002	4.5
109	MP2A	X	1.184	5.5
110	MP2A	Z	-2.051	5.5
111	MP2A	Mx	.002	5.5
112	MP2B	X	1.877	4.5
113	MP2B	Z	-3.251	4.5
114	MP2B	Mx	-.003	4.5
115	MP2B	X	1.877	5.5
116	MP2B	Z	-3.251	5.5
117	MP2B	Mx	-.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	27.551	1
2	MP2A	Z	-15.907	1
3	MP2A	Mx	-.027	1
4	MP2A	X	27.551	5
5	MP2A	Z	-15.907	5
6	MP2A	Mx	-.027	5
7	MP2B	X	31.655	1
8	MP2B	Z	-18.276	1
9	MP2B	Mx	-.017	1
10	MP2B	X	31.655	5
11	MP2B	Z	-18.276	5
12	MP2B	Mx	-.017	5
13	MP2C	X	32.747	1
14	MP2C	Z	-18.907	1
15	MP2C	Mx	.036	1
16	MP2C	X	32.747	5
17	MP2C	Z	-18.907	5
18	MP2C	Mx	.036	5
19	MP2A	X	27.551	1
20	MP2A	Z	-15.907	1
21	MP2A	Mx	-.00052	1
22	MP2A	X	27.551	5
23	MP2A	Z	-15.907	5
24	MP2A	Mx	-.00052	5
25	MP2B	X	31.655	1
26	MP2B	Z	-18.276	1
27	MP2B	Mx	.036	1
28	MP2B	X	31.655	5
29	MP2B	Z	-18.276	5
30	MP2B	Mx	.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
31	MP2C	X	32.747	1
32	MP2C	Z	-18.907	1
33	MP2C	Mx	-.023	1
34	MP2C	X	32.747	5
35	MP2C	Z	-18.907	5
36	MP2C	Mx	-.023	5
37	MP3A	X	9.469	2
38	MP3A	Z	-5.467	2
39	MP3A	Mx	-.005	2
40	MP3A	X	9.469	4
41	MP3A	Z	-5.467	4
42	MP3A	Mx	-.005	4
43	MP3B	X	14.242	2
44	MP3B	Z	-8.222	2
45	MP3B	Mx	.004	2
46	MP3B	X	14.242	4
47	MP3B	Z	-8.222	4
48	MP3B	Mx	.004	4
49	MP3C	X	15.512	2
50	MP3C	Z	-8.956	2
51	MP3C	Mx	.003	2
52	MP3C	X	15.512	4
53	MP3C	Z	-8.956	4
54	MP3C	Mx	.003	4
55	M117	X	20.652	1
56	M117	Z	-11.923	1
57	M117	Mx	-.01	1
58	MP2A	X	10.814	2
59	MP2A	Z	-6.243	2
60	MP2A	Mx	.005	2
61	MP2B	X	12.947	2
62	MP2B	Z	-7.475	2
63	MP2B	Mx	-.004	2
64	MP2C	X	13.514	2
65	MP2C	Z	-7.803	2
66	MP2C	Mx	-.003	2
67	MP1A	X	9.598	2
68	MP1A	Z	-5.541	2
69	MP1A	Mx	.005	2
70	MP1B	X	12.542	2
71	MP1B	Z	-7.241	2
72	MP1B	Mx	-.004	2
73	MP1C	X	13.325	2
74	MP1C	Z	-7.693	2
75	MP1C	Mx	-.003	2
76	MP4A	X	11.727	2
77	MP4A	Z	-6.771	2
78	MP4A	Mx	-.006	2
79	MP4A	X	11.727	4
80	MP4A	Z	-6.771	4
81	MP4A	Mx	-.006	4
82	MP4B	X	11.994	2
83	MP4B	Z	-6.925	2
84	MP4B	Mx	.003	2
85	MP4B	X	11.994	4
86	MP4B	Z	-6.925	4
87	MP4B	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
88	MP4C	X	12.066	2
89	MP4C	Z	-6.966	2
90	MP4C	Mx	.002	2
91	MP4C	X	12.066	4
92	MP4C	Z	-6.966	4
93	MP4C	Mx	.002	4
94	MP2A	X	3.251	4.5
95	MP2A	Z	-1.877	4.5
96	MP2A	Mx	.003	4.5
97	MP2A	X	3.251	5.5
98	MP2A	Z	-1.877	5.5
99	MP2A	Mx	.003	5.5
100	MP2B	X	2.051	4.5
101	MP2B	Z	-1.184	4.5
102	MP2B	Mx	-.002	4.5
103	MP2B	X	2.051	5.5
104	MP2B	Z	-1.184	5.5
105	MP2B	Mx	-.002	5.5
106	MP2A	X	3.251	4.5
107	MP2A	Z	-1.877	4.5
108	MP2A	Mx	.004	4.5
109	MP2A	X	3.251	5.5
110	MP2A	Z	-1.877	5.5
111	MP2A	Mx	.004	5.5
112	MP2B	X	2.051	4.5
113	MP2B	Z	-1.184	4.5
114	MP2B	Mx	-.0005	4.5
115	MP2B	X	2.051	5.5
116	MP2B	Z	-1.184	5.5
117	MP2B	Mx	-.0005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	29.444	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.015	1
4	MP2A	X	29.444	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.015	5
7	MP2B	X	38.922	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.032	1
10	MP2B	X	38.922	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.032	5
13	MP2C	X	33.36	1
14	MP2C	Z	0	1
15	MP2C	Mx	.031	1
16	MP2C	X	33.36	5
17	MP2C	Z	0	5
18	MP2C	Mx	.031	5
19	MP2A	X	29.444	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.015	1
22	MP2A	X	29.444	5
23	MP2A	Z	0	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
24	MP2A	Mx	-.015	5
25	MP2B	X	38.922	1
26	MP2B	Z	0	1
27	MP2B	Mx	.032	1
28	MP2B	X	38.922	5
29	MP2B	Z	0	5
30	MP2B	Mx	.032	5
31	MP2C	X	33.36	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.005	1
34	MP2C	X	33.36	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.005	5
37	MP3A	X	8.178	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.004	2
40	MP3A	X	8.178	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.004	4
43	MP3B	X	19.201	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	19.201	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	12.732	2
50	MP3C	Z	0	2
51	MP3C	Mx	.005	2
52	MP3C	X	12.732	4
53	MP3C	Z	0	4
54	MP3C	Mx	.005	4
55	M117	X	21.378	1
56	M117	Z	0	1
57	M117	Mx	-.011	1
58	MP2A	X	11.255	2
59	MP2A	Z	0	2
60	MP2A	Mx	.006	2
61	MP2B	X	16.181	2
62	MP2B	Z	0	2
63	MP2B	Mx	0	2
64	MP2C	X	13.29	2
65	MP2C	Z	0	2
66	MP2C	Mx	-.005	2
67	MP1A	X	9.383	2
68	MP1A	Z	0	2
69	MP1A	Mx	.005	2
70	MP1B	X	16.181	2
71	MP1B	Z	0	2
72	MP1B	Mx	0	2
73	MP1C	X	12.192	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.005	2
76	MP4A	X	13.387	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.007	2
79	MP4A	X	13.387	4
80	MP4A	Z	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
81	MP4A	Mx	-.007	4
82	MP4B	X	14.004	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	14.004	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	13.642	2
89	MP4C	Z	0	2
90	MP4C	Mx	.005	2
91	MP4C	X	13.642	4
92	MP4C	Z	0	4
93	MP4C	Mx	.005	4
94	MP2A	X	4.447	4.5
95	MP2A	Z	0	4.5
96	MP2A	Mx	.004	4.5
97	MP2A	X	4.447	5.5
98	MP2A	Z	0	5.5
99	MP2A	Mx	.004	5.5
100	MP2B	X	1.675	4.5
101	MP2B	Z	0	4.5
102	MP2B	Mx	-.000558	4.5
103	MP2B	X	1.675	5.5
104	MP2B	Z	0	5.5
105	MP2B	Mx	-.000558	5.5
106	MP2A	X	4.447	4.5
107	MP2A	Z	0	4.5
108	MP2A	Mx	.004	4.5
109	MP2A	X	4.447	5.5
110	MP2A	Z	0	5.5
111	MP2A	Mx	.004	5.5
112	MP2B	X	1.675	4.5
113	MP2B	Z	0	4.5
114	MP2B	Mx	.000558	4.5
115	MP2B	X	1.675	5.5
116	MP2B	Z	0	5.5
117	MP2B	Mx	.000558	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	27.551	1
2	MP2A	Z	15.907	1
3	MP2A	Mx	-.00052	1
4	MP2A	X	27.551	5
5	MP2A	Z	15.907	5
6	MP2A	Mx	-.00052	5
7	MP2B	X	31.655	1
8	MP2B	Z	18.276	1
9	MP2B	Mx	-.036	1
10	MP2B	X	31.655	5
11	MP2B	Z	18.276	5
12	MP2B	Mx	-.036	5
13	MP2C	X	25.747	1
14	MP2C	Z	14.865	1
15	MP2C	Mx	.019	1
16	MP2C	X	25.747	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP2C	Z	14.865	5
18	MP2C	Mx	.019	5
19	MP2A	X	27.551	1
20	MP2A	Z	15.907	1
21	MP2A	Mx	-.027	1
22	MP2A	X	27.551	5
23	MP2A	Z	15.907	5
24	MP2A	Mx	-.027	5
25	MP2B	X	31.655	1
26	MP2B	Z	18.276	1
27	MP2B	Mx	.017	1
28	MP2B	X	31.655	5
29	MP2B	Z	18.276	5
30	MP2B	Mx	.017	5
31	MP2C	X	25.747	1
32	MP2C	Z	14.865	1
33	MP2C	Mx	.01	1
34	MP2C	X	25.747	5
35	MP2C	Z	14.865	5
36	MP2C	Mx	.01	5
37	MP3A	X	9.469	2
38	MP3A	Z	5.467	2
39	MP3A	Mx	-.005	2
40	MP3A	X	9.469	4
41	MP3A	Z	5.467	4
42	MP3A	Mx	-.005	4
43	MP3B	X	14.242	2
44	MP3B	Z	8.222	2
45	MP3B	Mx	-.004	2
46	MP3B	X	14.242	4
47	MP3B	Z	8.222	4
48	MP3B	Mx	-.004	4
49	MP3C	X	7.37	2
50	MP3C	Z	4.255	2
51	MP3C	Mx	.004	2
52	MP3C	X	7.37	4
53	MP3C	Z	4.255	4
54	MP3C	Mx	.004	4
55	M117	X	20.652	1
56	M117	Z	11.923	1
57	M117	Mx	-.01	1
58	MP2A	X	10.814	2
59	MP2A	Z	6.243	2
60	MP2A	Mx	.005	2
61	MP2B	X	12.947	2
62	MP2B	Z	7.475	2
63	MP2B	Mx	.004	2
64	MP2C	X	9.876	2
65	MP2C	Z	5.702	2
66	MP2C	Mx	-.006	2
67	MP1A	X	9.598	2
68	MP1A	Z	5.541	2
69	MP1A	Mx	.005	2
70	MP1B	X	12.542	2
71	MP1B	Z	7.241	2
72	MP1B	Mx	.004	2
73	MP1C	X	8.304	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP1C	Z	4.794	2
75	MP1C	Mx	-.005	2
76	MP4A	X	11.727	2
77	MP4A	Z	6.771	2
78	MP4A	Mx	-.006	2
79	MP4A	X	11.727	4
80	MP4A	Z	6.771	4
81	MP4A	Mx	-.006	4
82	MP4B	X	11.994	2
83	MP4B	Z	6.925	2
84	MP4B	Mx	-.003	2
85	MP4B	X	11.994	4
86	MP4B	Z	6.925	4
87	MP4B	Mx	-.003	4
88	MP4C	X	11.609	2
89	MP4C	Z	6.703	2
90	MP4C	Mx	.007	2
91	MP4C	X	11.609	4
92	MP4C	Z	6.703	4
93	MP4C	Mx	.007	4
94	MP2A	X	3.251	4.5
95	MP2A	Z	1.877	4.5
96	MP2A	Mx	.004	4.5
97	MP2A	X	3.251	5.5
98	MP2A	Z	1.877	5.5
99	MP2A	Mx	.004	5.5
100	MP2B	X	2.051	4.5
101	MP2B	Z	1.184	4.5
102	MP2B	Mx	.0005	4.5
103	MP2B	X	2.051	5.5
104	MP2B	Z	1.184	5.5
105	MP2B	Mx	.0005	5.5
106	MP2A	X	3.251	4.5
107	MP2A	Z	1.877	4.5
108	MP2A	Mx	.003	4.5
109	MP2A	X	3.251	5.5
110	MP2A	Z	1.877	5.5
111	MP2A	Mx	.003	5.5
112	MP2B	X	2.051	4.5
113	MP2B	Z	1.184	4.5
114	MP2B	Mx	.002	4.5
115	MP2B	X	2.051	5.5
116	MP2B	Z	1.184	5.5
117	MP2B	Mx	.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	18.276	1
2	MP2A	Z	31.655	1
3	MP2A	Mx	.017	1
4	MP2A	X	18.276	5
5	MP2A	Z	31.655	5
6	MP2A	Mx	.017	5
7	MP2B	X	15.907	1
8	MP2B	Z	27.551	1
9	MP2B	Mx	-.027	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP2B	X	15.907	5
11	MP2B	Z	27.551	5
12	MP2B	Mx	-.027	5
13	MP2C	X	15.276	1
14	MP2C	Z	26.459	1
15	MP2C	Mx	.006	1
16	MP2C	X	15.276	5
17	MP2C	Z	26.459	5
18	MP2C	Mx	.006	5
19	MP2A	X	18.276	1
20	MP2A	Z	31.655	1
21	MP2A	Mx	-.036	1
22	MP2A	X	18.276	5
23	MP2A	Z	31.655	5
24	MP2A	Mx	-.036	5
25	MP2B	X	15.907	1
26	MP2B	Z	27.551	1
27	MP2B	Mx	-.00052	1
28	MP2B	X	15.907	5
29	MP2B	Z	27.551	5
30	MP2B	Mx	-.00052	5
31	MP2C	X	15.276	1
32	MP2C	Z	26.459	1
33	MP2C	Mx	.023	1
34	MP2C	X	15.276	5
35	MP2C	Z	26.459	5
36	MP2C	Mx	.023	5
37	MP3A	X	8.222	2
38	MP3A	Z	14.242	2
39	MP3A	Mx	-.004	2
40	MP3A	X	8.222	4
41	MP3A	Z	14.242	4
42	MP3A	Mx	-.004	4
43	MP3B	X	5.467	2
44	MP3B	Z	9.469	2
45	MP3B	Mx	-.005	2
46	MP3B	X	5.467	4
47	MP3B	Z	9.469	4
48	MP3B	Mx	-.005	4
49	MP3C	X	4.734	2
50	MP3C	Z	8.199	2
51	MP3C	Mx	.004	2
52	MP3C	X	4.734	4
53	MP3C	Z	8.199	4
54	MP3C	Mx	.004	4
55	M117	X	14.393	1
56	M117	Z	24.929	1
57	M117	Mx	-.007	1
58	MP2A	X	7.475	2
59	MP2A	Z	12.947	2
60	MP2A	Mx	.004	2
61	MP2B	X	6.243	2
62	MP2B	Z	10.814	2
63	MP2B	Mx	.005	2
64	MP2C	X	5.916	2
65	MP2C	Z	10.246	2
66	MP2C	Mx	-.006	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1A	X	7.241	2
68	MP1A	Z	12.542	2
69	MP1A	Mx	.004	2
70	MP1B	X	5.541	2
71	MP1B	Z	9.598	2
72	MP1B	Mx	.005	2
73	MP1C	X	5.089	2
74	MP1C	Z	8.815	2
75	MP1C	Mx	-.005	2
76	MP4A	X	6.925	2
77	MP4A	Z	11.994	2
78	MP4A	Mx	-.003	2
79	MP4A	X	6.925	4
80	MP4A	Z	11.994	4
81	MP4A	Mx	-.003	4
82	MP4B	X	6.771	2
83	MP4B	Z	11.727	2
84	MP4B	Mx	-.006	2
85	MP4B	X	6.771	4
86	MP4B	Z	11.727	4
87	MP4B	Mx	-.006	4
88	MP4C	X	6.729	2
89	MP4C	Z	11.656	2
90	MP4C	Mx	.006	2
91	MP4C	X	6.729	4
92	MP4C	Z	11.656	4
93	MP4C	Mx	.006	4
94	MP2A	X	1.184	4.5
95	MP2A	Z	2.051	4.5
96	MP2A	Mx	.002	4.5
97	MP2A	X	1.184	5.5
98	MP2A	Z	2.051	5.5
99	MP2A	Mx	.002	5.5
100	MP2B	X	1.877	4.5
101	MP2B	Z	3.251	4.5
102	MP2B	Mx	.003	4.5
103	MP2B	X	1.877	5.5
104	MP2B	Z	3.251	5.5
105	MP2B	Mx	.003	5.5
106	MP2A	X	1.184	4.5
107	MP2A	Z	2.051	4.5
108	MP2A	Mx	.0005	4.5
109	MP2A	X	1.184	5.5
110	MP2A	Z	2.051	5.5
111	MP2A	Mx	.0005	5.5
112	MP2B	X	1.877	4.5
113	MP2B	Z	3.251	4.5
114	MP2B	Mx	.004	4.5
115	MP2B	X	1.877	5.5
116	MP2B	Z	3.251	5.5
117	MP2B	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	38.922	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP2A	Mx	.032	1
4	MP2A	X	0	5
5	MP2A	Z	38.922	5
6	MP2A	Mx	.032	5
7	MP2B	X	0	1
8	MP2B	Z	29.444	1
9	MP2B	Mx	-.015	1
10	MP2B	X	0	5
11	MP2B	Z	29.444	5
12	MP2B	Mx	-.015	5
13	MP2C	X	0	1
14	MP2C	Z	35.006	1
15	MP2C	Mx	-.011	1
16	MP2C	X	0	5
17	MP2C	Z	35.006	5
18	MP2C	Mx	-.011	5
19	MP2A	X	0	1
20	MP2A	Z	38.922	1
21	MP2A	Mx	-.032	1
22	MP2A	X	0	5
23	MP2A	Z	38.922	5
24	MP2A	Mx	-.032	5
25	MP2B	X	0	1
26	MP2B	Z	29.444	1
27	MP2B	Mx	-.015	1
28	MP2B	X	0	5
29	MP2B	Z	29.444	5
30	MP2B	Mx	-.015	5
31	MP2C	X	0	1
32	MP2C	Z	35.006	1
33	MP2C	Mx	.034	1
34	MP2C	X	0	5
35	MP2C	Z	35.006	5
36	MP2C	Mx	.034	5
37	MP3A	X	0	2
38	MP3A	Z	19.201	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	19.201	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	8.178	2
45	MP3B	Mx	-.004	2
46	MP3B	X	0	4
47	MP3B	Z	8.178	4
48	MP3B	Mx	-.004	4
49	MP3C	X	0	2
50	MP3C	Z	14.646	2
51	MP3C	Mx	.005	2
52	MP3C	X	0	4
53	MP3C	Z	14.646	4
54	MP3C	Mx	.005	4
55	M117	X	0	1
56	M117	Z	31.255	1
57	M117	Mx	0	1
58	MP2A	X	0	2
59	MP2A	Z	16.181	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP2A	Mx	0	2
61	MP2B	X	0	2
62	MP2B	Z	11.255	2
63	MP2B	Mx	.006	2
64	MP2C	X	0	2
65	MP2C	Z	14.146	2
66	MP2C	Mx	-.005	2
67	MP1A	X	0	2
68	MP1A	Z	16.181	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	9.383	2
72	MP1B	Mx	.005	2
73	MP1C	X	0	2
74	MP1C	Z	13.372	2
75	MP1C	Mx	-.004	2
76	MP4A	X	0	2
77	MP4A	Z	14.004	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	14.004	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	13.387	2
84	MP4B	Mx	-.007	2
85	MP4B	X	0	4
86	MP4B	Z	13.387	4
87	MP4B	Mx	-.007	4
88	MP4C	X	0	2
89	MP4C	Z	13.749	2
90	MP4C	Mx	.004	2
91	MP4C	X	0	4
92	MP4C	Z	13.749	4
93	MP4C	Mx	.004	4
94	MP2A	X	0	4.5
95	MP2A	Z	1.675	4.5
96	MP2A	Mx	.000558	4.5
97	MP2A	X	0	5.5
98	MP2A	Z	1.675	5.5
99	MP2A	Mx	.000558	5.5
100	MP2B	X	0	4.5
101	MP2B	Z	4.447	4.5
102	MP2B	Mx	.004	4.5
103	MP2B	X	0	5.5
104	MP2B	Z	4.447	5.5
105	MP2B	Mx	.004	5.5
106	MP2A	X	0	4.5
107	MP2A	Z	1.675	4.5
108	MP2A	Mx	-.000558	4.5
109	MP2A	X	0	5.5
110	MP2A	Z	1.675	5.5
111	MP2A	Mx	-.000558	5.5
112	MP2B	X	0	4.5
113	MP2B	Z	4.447	4.5
114	MP2B	Mx	.004	4.5
115	MP2B	X	0	5.5
116	MP2B	Z	4.447	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
117	MP2B	Mx	.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.276	1
2	MP2A	Z	31.655	1
3	MP2A	Mx	.036	1
4	MP2A	X	-18.276	5
5	MP2A	Z	31.655	5
6	MP2A	Mx	.036	5
7	MP2B	X	-15.907	1
8	MP2B	Z	27.551	1
9	MP2B	Mx	-.00052	1
10	MP2B	X	-15.907	5
11	MP2B	Z	27.551	5
12	MP2B	Mx	-.00052	5
13	MP2C	X	-19.318	1
14	MP2C	Z	33.46	1
15	MP2C	Mx	-.028	1
16	MP2C	X	-19.318	5
17	MP2C	Z	33.46	5
18	MP2C	Mx	-.028	5
19	MP2A	X	-18.276	1
20	MP2A	Z	31.655	1
21	MP2A	Mx	-.017	1
22	MP2A	X	-18.276	5
23	MP2A	Z	31.655	5
24	MP2A	Mx	-.017	5
25	MP2B	X	-15.907	1
26	MP2B	Z	27.551	1
27	MP2B	Mx	-.027	1
28	MP2B	X	-15.907	5
29	MP2B	Z	27.551	5
30	MP2B	Mx	-.027	5
31	MP2C	X	-19.318	1
32	MP2C	Z	33.46	1
33	MP2C	Mx	.035	1
34	MP2C	X	-19.318	5
35	MP2C	Z	33.46	5
36	MP2C	Mx	.035	5
37	MP3A	X	-8.222	2
38	MP3A	Z	14.242	2
39	MP3A	Mx	.004	2
40	MP3A	X	-8.222	4
41	MP3A	Z	14.242	4
42	MP3A	Mx	.004	4
43	MP3B	X	-5.467	2
44	MP3B	Z	9.469	2
45	MP3B	Mx	-.005	2
46	MP3B	X	-5.467	4
47	MP3B	Z	9.469	4
48	MP3B	Mx	-.005	4
49	MP3C	X	-9.434	2
50	MP3C	Z	16.34	2
51	MP3C	Mx	.002	2
52	MP3C	X	-9.434	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
53	MP3C	Z	16.34	4
54	MP3C	Mx	.002	4
55	M117	X	-14.393	1
56	M117	Z	24.929	1
57	M117	Mx	.007	1
58	MP2A	X	-7.475	2
59	MP2A	Z	12.947	2
60	MP2A	Mx	-.004	2
61	MP2B	X	-6.243	2
62	MP2B	Z	10.814	2
63	MP2B	Mx	.005	2
64	MP2C	X	-8.016	2
65	MP2C	Z	13.885	2
66	MP2C	Mx	-.001	2
67	MP1A	X	-7.241	2
68	MP1A	Z	12.542	2
69	MP1A	Mx	-.004	2
70	MP1B	X	-5.541	2
71	MP1B	Z	9.598	2
72	MP1B	Mx	.005	2
73	MP1C	X	-7.988	2
74	MP1C	Z	13.836	2
75	MP1C	Mx	-.001	2
76	MP4A	X	-6.925	2
77	MP4A	Z	11.994	2
78	MP4A	Mx	.003	2
79	MP4A	X	-6.925	4
80	MP4A	Z	11.994	4
81	MP4A	Mx	.003	4
82	MP4B	X	-6.771	2
83	MP4B	Z	11.727	2
84	MP4B	Mx	-.006	2
85	MP4B	X	-6.771	4
86	MP4B	Z	11.727	4
87	MP4B	Mx	-.006	4
88	MP4C	X	-6.993	2
89	MP4C	Z	12.112	2
90	MP4C	Mx	.001	2
91	MP4C	X	-6.993	4
92	MP4C	Z	12.112	4
93	MP4C	Mx	.001	4
94	MP2A	X	-1.184	4.5
95	MP2A	Z	2.051	4.5
96	MP2A	Mx	-.0005	4.5
97	MP2A	X	-1.184	5.5
98	MP2A	Z	2.051	5.5
99	MP2A	Mx	-.0005	5.5
100	MP2B	X	-1.877	4.5
101	MP2B	Z	3.251	4.5
102	MP2B	Mx	.004	4.5
103	MP2B	X	-1.877	5.5
104	MP2B	Z	3.251	5.5
105	MP2B	Mx	.004	5.5
106	MP2A	X	-1.184	4.5
107	MP2A	Z	2.051	4.5
108	MP2A	Mx	-.002	4.5
109	MP2A	X	-1.184	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
110	MP2A	Z	2.051	5.5
111	MP2A	Mx	-.002	5.5
112	MP2B	X	-1.877	4.5
113	MP2B	Z	3.251	4.5
114	MP2B	Mx	.003	4.5
115	MP2B	X	-1.877	5.5
116	MP2B	Z	3.251	5.5
117	MP2B	Mx	.003	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-27.551	1
2	MP2A	Z	15.907	1
3	MP2A	Mx	.027	1
4	MP2A	X	-27.551	5
5	MP2A	Z	15.907	5
6	MP2A	Mx	.027	5
7	MP2B	X	-31.655	1
8	MP2B	Z	18.276	1
9	MP2B	Mx	.017	1
10	MP2B	X	-31.655	5
11	MP2B	Z	18.276	5
12	MP2B	Mx	.017	5
13	MP2C	X	-32.747	1
14	MP2C	Z	18.907	1
15	MP2C	Mx	-.036	1
16	MP2C	X	-32.747	5
17	MP2C	Z	18.907	5
18	MP2C	Mx	-.036	5
19	MP2A	X	-27.551	1
20	MP2A	Z	15.907	1
21	MP2A	Mx	.00052	1
22	MP2A	X	-27.551	5
23	MP2A	Z	15.907	5
24	MP2A	Mx	.00052	5
25	MP2B	X	-31.655	1
26	MP2B	Z	18.276	1
27	MP2B	Mx	-.036	1
28	MP2B	X	-31.655	5
29	MP2B	Z	18.276	5
30	MP2B	Mx	-.036	5
31	MP2C	X	-32.747	1
32	MP2C	Z	18.907	1
33	MP2C	Mx	.023	1
34	MP2C	X	-32.747	5
35	MP2C	Z	18.907	5
36	MP2C	Mx	.023	5
37	MP3A	X	-9.469	2
38	MP3A	Z	5.467	2
39	MP3A	Mx	.005	2
40	MP3A	X	-9.469	4
41	MP3A	Z	5.467	4
42	MP3A	Mx	.005	4
43	MP3B	X	-14.242	2
44	MP3B	Z	8.222	2
45	MP3B	Mx	-.004	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
46	MP3B	X	-14.242	4
47	MP3B	Z	8.222	4
48	MP3B	Mx	-.004	4
49	MP3C	X	-15.512	2
50	MP3C	Z	8.956	2
51	MP3C	Mx	-.003	2
52	MP3C	X	-15.512	4
53	MP3C	Z	8.956	4
54	MP3C	Mx	-.003	4
55	M117	X	-20.652	1
56	M117	Z	11.923	1
57	M117	Mx	.01	1
58	MP2A	X	-10.814	2
59	MP2A	Z	6.243	2
60	MP2A	Mx	-.005	2
61	MP2B	X	-12.947	2
62	MP2B	Z	7.475	2
63	MP2B	Mx	.004	2
64	MP2C	X	-13.514	2
65	MP2C	Z	7.803	2
66	MP2C	Mx	.003	2
67	MP1A	X	-9.598	2
68	MP1A	Z	5.541	2
69	MP1A	Mx	-.005	2
70	MP1B	X	-12.542	2
71	MP1B	Z	7.241	2
72	MP1B	Mx	.004	2
73	MP1C	X	-13.325	2
74	MP1C	Z	7.693	2
75	MP1C	Mx	.003	2
76	MP4A	X	-11.727	2
77	MP4A	Z	6.771	2
78	MP4A	Mx	.006	2
79	MP4A	X	-11.727	4
80	MP4A	Z	6.771	4
81	MP4A	Mx	.006	4
82	MP4B	X	-11.994	2
83	MP4B	Z	6.925	2
84	MP4B	Mx	-.003	2
85	MP4B	X	-11.994	4
86	MP4B	Z	6.925	4
87	MP4B	Mx	-.003	4
88	MP4C	X	-12.066	2
89	MP4C	Z	6.966	2
90	MP4C	Mx	-.002	2
91	MP4C	X	-12.066	4
92	MP4C	Z	6.966	4
93	MP4C	Mx	-.002	4
94	MP2A	X	-3.251	4.5
95	MP2A	Z	1.877	4.5
96	MP2A	Mx	-.003	4.5
97	MP2A	X	-3.251	5.5
98	MP2A	Z	1.877	5.5
99	MP2A	Mx	-.003	5.5
100	MP2B	X	-2.051	4.5
101	MP2B	Z	1.184	4.5
102	MP2B	Mx	.002	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
103	MP2B	X	-2.051	5.5
104	MP2B	Z	1.184	5.5
105	MP2B	Mx	.002	5.5
106	MP2A	X	-3.251	4.5
107	MP2A	Z	1.877	4.5
108	MP2A	Mx	-.004	4.5
109	MP2A	X	-3.251	5.5
110	MP2A	Z	1.877	5.5
111	MP2A	Mx	-.004	5.5
112	MP2B	X	-2.051	4.5
113	MP2B	Z	1.184	4.5
114	MP2B	Mx	.0005	4.5
115	MP2B	X	-2.051	5.5
116	MP2B	Z	1.184	5.5
117	MP2B	Mx	.0005	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-29.444	1
2	MP2A	Z	0	1
3	MP2A	Mx	.015	1
4	MP2A	X	-29.444	5
5	MP2A	Z	0	5
6	MP2A	Mx	.015	5
7	MP2B	X	-38.922	1
8	MP2B	Z	0	1
9	MP2B	Mx	.032	1
10	MP2B	X	-38.922	5
11	MP2B	Z	0	5
12	MP2B	Mx	.032	5
13	MP2C	X	-33.36	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.031	1
16	MP2C	X	-33.36	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.031	5
19	MP2A	X	-29.444	1
20	MP2A	Z	0	1
21	MP2A	Mx	.015	1
22	MP2A	X	-29.444	5
23	MP2A	Z	0	5
24	MP2A	Mx	.015	5
25	MP2B	X	-38.922	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.032	1
28	MP2B	X	-38.922	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.032	5
31	MP2C	X	-33.36	1
32	MP2C	Z	0	1
33	MP2C	Mx	.005	1
34	MP2C	X	-33.36	5
35	MP2C	Z	0	5
36	MP2C	Mx	.005	5
37	MP3A	X	-8.178	2
38	MP3A	Z	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
39	MP3A	Mx	.004	2
40	MP3A	X	-8.178	4
41	MP3A	Z	0	4
42	MP3A	Mx	.004	4
43	MP3B	X	-19.201	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	-19.201	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	-12.732	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.005	2
52	MP3C	X	-12.732	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.005	4
55	M117	X	-21.378	1
56	M117	Z	0	1
57	M117	Mx	.011	1
58	MP2A	X	-11.255	2
59	MP2A	Z	0	2
60	MP2A	Mx	-.006	2
61	MP2B	X	-16.181	2
62	MP2B	Z	0	2
63	MP2B	Mx	0	2
64	MP2C	X	-13.29	2
65	MP2C	Z	0	2
66	MP2C	Mx	.005	2
67	MP1A	X	-9.383	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.005	2
70	MP1B	X	-16.181	2
71	MP1B	Z	0	2
72	MP1B	Mx	0	2
73	MP1C	X	-12.192	2
74	MP1C	Z	0	2
75	MP1C	Mx	.005	2
76	MP4A	X	-13.387	2
77	MP4A	Z	0	2
78	MP4A	Mx	.007	2
79	MP4A	X	-13.387	4
80	MP4A	Z	0	4
81	MP4A	Mx	.007	4
82	MP4B	X	-14.004	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	-14.004	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	-13.642	2
89	MP4C	Z	0	2
90	MP4C	Mx	-.005	2
91	MP4C	X	-13.642	4
92	MP4C	Z	0	4
93	MP4C	Mx	-.005	4
94	MP2A	X	-4.447	4.5
95	MP2A	Z	0	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
96	MP2A	Mx	-.004	4.5
97	MP2A	X	-4.447	5.5
98	MP2A	Z	0	5.5
99	MP2A	Mx	-.004	5.5
100	MP2B	X	-1.675	4.5
101	MP2B	Z	0	4.5
102	MP2B	Mx	.000558	4.5
103	MP2B	X	-1.675	5.5
104	MP2B	Z	0	5.5
105	MP2B	Mx	.000558	5.5
106	MP2A	X	-4.447	4.5
107	MP2A	Z	0	4.5
108	MP2A	Mx	-.004	4.5
109	MP2A	X	-4.447	5.5
110	MP2A	Z	0	5.5
111	MP2A	Mx	-.004	5.5
112	MP2B	X	-1.675	4.5
113	MP2B	Z	0	4.5
114	MP2B	Mx	-.000558	4.5
115	MP2B	X	-1.675	5.5
116	MP2B	Z	0	5.5
117	MP2B	Mx	-.000558	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-27.551	1
2	MP2A	Z	-15.907	1
3	MP2A	Mx	.00052	1
4	MP2A	X	-27.551	5
5	MP2A	Z	-15.907	5
6	MP2A	Mx	.00052	5
7	MP2B	X	-31.655	1
8	MP2B	Z	-18.276	1
9	MP2B	Mx	.036	1
10	MP2B	X	-31.655	5
11	MP2B	Z	-18.276	5
12	MP2B	Mx	.036	5
13	MP2C	X	-25.747	1
14	MP2C	Z	-14.865	1
15	MP2C	Mx	-.019	1
16	MP2C	X	-25.747	5
17	MP2C	Z	-14.865	5
18	MP2C	Mx	-.019	5
19	MP2A	X	-27.551	1
20	MP2A	Z	-15.907	1
21	MP2A	Mx	.027	1
22	MP2A	X	-27.551	5
23	MP2A	Z	-15.907	5
24	MP2A	Mx	.027	5
25	MP2B	X	-31.655	1
26	MP2B	Z	-18.276	1
27	MP2B	Mx	-.017	1
28	MP2B	X	-31.655	5
29	MP2B	Z	-18.276	5
30	MP2B	Mx	-.017	5
31	MP2C	X	-25.747	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
32	MP2C	Z	-14.865	1
33	MP2C	Mx	-.01	1
34	MP2C	X	-25.747	5
35	MP2C	Z	-14.865	5
36	MP2C	Mx	-.01	5
37	MP3A	X	-9.469	2
38	MP3A	Z	-5.467	2
39	MP3A	Mx	.005	2
40	MP3A	X	-9.469	4
41	MP3A	Z	-5.467	4
42	MP3A	Mx	.005	4
43	MP3B	X	-14.242	2
44	MP3B	Z	-8.222	2
45	MP3B	Mx	.004	2
46	MP3B	X	-14.242	4
47	MP3B	Z	-8.222	4
48	MP3B	Mx	.004	4
49	MP3C	X	-7.37	2
50	MP3C	Z	-4.255	2
51	MP3C	Mx	-.004	2
52	MP3C	X	-7.37	4
53	MP3C	Z	-4.255	4
54	MP3C	Mx	-.004	4
55	M117	X	-20.652	1
56	M117	Z	-11.923	1
57	M117	Mx	.01	1
58	MP2A	X	-10.814	2
59	MP2A	Z	-6.243	2
60	MP2A	Mx	-.005	2
61	MP2B	X	-12.947	2
62	MP2B	Z	-7.475	2
63	MP2B	Mx	-.004	2
64	MP2C	X	-9.876	2
65	MP2C	Z	-5.702	2
66	MP2C	Mx	.006	2
67	MP1A	X	-9.598	2
68	MP1A	Z	-5.541	2
69	MP1A	Mx	-.005	2
70	MP1B	X	-12.542	2
71	MP1B	Z	-7.241	2
72	MP1B	Mx	-.004	2
73	MP1C	X	-8.304	2
74	MP1C	Z	-4.794	2
75	MP1C	Mx	.005	2
76	MP4A	X	-11.727	2
77	MP4A	Z	-6.771	2
78	MP4A	Mx	.006	2
79	MP4A	X	-11.727	4
80	MP4A	Z	-6.771	4
81	MP4A	Mx	.006	4
82	MP4B	X	-11.994	2
83	MP4B	Z	-6.925	2
84	MP4B	Mx	.003	2
85	MP4B	X	-11.994	4
86	MP4B	Z	-6.925	4
87	MP4B	Mx	.003	4
88	MP4C	X	-11.609	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
89	MP4C	Z	-6.703	2
90	MP4C	Mx	-.007	2
91	MP4C	X	-11.609	4
92	MP4C	Z	-6.703	4
93	MP4C	Mx	-.007	4
94	MP2A	X	-3.251	4.5
95	MP2A	Z	-1.877	4.5
96	MP2A	Mx	-.004	4.5
97	MP2A	X	-3.251	5.5
98	MP2A	Z	-1.877	5.5
99	MP2A	Mx	-.004	5.5
100	MP2B	X	-2.051	4.5
101	MP2B	Z	-1.184	4.5
102	MP2B	Mx	-.0005	4.5
103	MP2B	X	-2.051	5.5
104	MP2B	Z	-1.184	5.5
105	MP2B	Mx	-.0005	5.5
106	MP2A	X	-3.251	4.5
107	MP2A	Z	-1.877	4.5
108	MP2A	Mx	-.003	4.5
109	MP2A	X	-3.251	5.5
110	MP2A	Z	-1.877	5.5
111	MP2A	Mx	-.003	5.5
112	MP2B	X	-2.051	4.5
113	MP2B	Z	-1.184	4.5
114	MP2B	Mx	-.002	4.5
115	MP2B	X	-2.051	5.5
116	MP2B	Z	-1.184	5.5
117	MP2B	Mx	-.002	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-18.276	1
2	MP2A	Z	-31.655	1
3	MP2A	Mx	-.017	1
4	MP2A	X	-18.276	5
5	MP2A	Z	-31.655	5
6	MP2A	Mx	-.017	5
7	MP2B	X	-15.907	1
8	MP2B	Z	-27.551	1
9	MP2B	Mx	.027	1
10	MP2B	X	-15.907	5
11	MP2B	Z	-27.551	5
12	MP2B	Mx	.027	5
13	MP2C	X	-15.276	1
14	MP2C	Z	-26.459	1
15	MP2C	Mx	-.006	1
16	MP2C	X	-15.276	5
17	MP2C	Z	-26.459	5
18	MP2C	Mx	-.006	5
19	MP2A	X	-18.276	1
20	MP2A	Z	-31.655	1
21	MP2A	Mx	.036	1
22	MP2A	X	-18.276	5
23	MP2A	Z	-31.655	5
24	MP2A	Mx	.036	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP2B	X	-15.907	1
26	MP2B	Z	-27.551	1
27	MP2B	Mx	.00052	1
28	MP2B	X	-15.907	5
29	MP2B	Z	-27.551	5
30	MP2B	Mx	.00052	5
31	MP2C	X	-15.276	1
32	MP2C	Z	-26.459	1
33	MP2C	Mx	-.023	1
34	MP2C	X	-15.276	5
35	MP2C	Z	-26.459	5
36	MP2C	Mx	-.023	5
37	MP3A	X	-8.222	2
38	MP3A	Z	-14.242	2
39	MP3A	Mx	.004	2
40	MP3A	X	-8.222	4
41	MP3A	Z	-14.242	4
42	MP3A	Mx	.004	4
43	MP3B	X	-5.467	2
44	MP3B	Z	-9.469	2
45	MP3B	Mx	.005	2
46	MP3B	X	-5.467	4
47	MP3B	Z	-9.469	4
48	MP3B	Mx	.005	4
49	MP3C	X	-4.734	2
50	MP3C	Z	-8.199	2
51	MP3C	Mx	-.004	2
52	MP3C	X	-4.734	4
53	MP3C	Z	-8.199	4
54	MP3C	Mx	-.004	4
55	M117	X	-14.393	1
56	M117	Z	-24.929	1
57	M117	Mx	.007	1
58	MP2A	X	-7.475	2
59	MP2A	Z	-12.947	2
60	MP2A	Mx	-.004	2
61	MP2B	X	-6.243	2
62	MP2B	Z	-10.814	2
63	MP2B	Mx	-.005	2
64	MP2C	X	-5.916	2
65	MP2C	Z	-10.246	2
66	MP2C	Mx	.006	2
67	MP1A	X	-7.241	2
68	MP1A	Z	-12.542	2
69	MP1A	Mx	-.004	2
70	MP1B	X	-5.541	2
71	MP1B	Z	-9.598	2
72	MP1B	Mx	-.005	2
73	MP1C	X	-5.089	2
74	MP1C	Z	-8.815	2
75	MP1C	Mx	.005	2
76	MP4A	X	-6.925	2
77	MP4A	Z	-11.994	2
78	MP4A	Mx	.003	2
79	MP4A	X	-6.925	4
80	MP4A	Z	-11.994	4
81	MP4A	Mx	.003	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP4B	X	-6.771	2
83	MP4B	Z	-11.727	2
84	MP4B	Mx	.006	2
85	MP4B	X	-6.771	4
86	MP4B	Z	-11.727	4
87	MP4B	Mx	.006	4
88	MP4C	X	-6.729	2
89	MP4C	Z	-11.656	2
90	MP4C	Mx	-.006	2
91	MP4C	X	-6.729	4
92	MP4C	Z	-11.656	4
93	MP4C	Mx	-.006	4
94	MP2A	X	-1.184	4.5
95	MP2A	Z	-2.051	4.5
96	MP2A	Mx	-.002	4.5
97	MP2A	X	-1.184	5.5
98	MP2A	Z	-2.051	5.5
99	MP2A	Mx	-.002	5.5
100	MP2B	X	-1.877	4.5
101	MP2B	Z	-3.251	4.5
102	MP2B	Mx	-.003	4.5
103	MP2B	X	-1.877	5.5
104	MP2B	Z	-3.251	5.5
105	MP2B	Mx	-.003	5.5
106	MP2A	X	-1.184	4.5
107	MP2A	Z	-2.051	4.5
108	MP2A	Mx	-.0005	4.5
109	MP2A	X	-1.184	5.5
110	MP2A	Z	-2.051	5.5
111	MP2A	Mx	-.0005	5.5
112	MP2B	X	-1.877	4.5
113	MP2B	Z	-3.251	4.5
114	MP2B	Mx	-.004	4.5
115	MP2B	X	-1.877	5.5
116	MP2B	Z	-3.251	5.5
117	MP2B	Mx	-.004	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	-6.159	1
3	MP2A	Mx	-.005	1
4	MP2A	X	0	5
5	MP2A	Z	-6.159	5
6	MP2A	Mx	-.005	5
7	MP2B	X	0	1
8	MP2B	Z	-4.609	1
9	MP2B	Mx	.002	1
10	MP2B	X	0	5
11	MP2B	Z	-4.609	5
12	MP2B	Mx	.002	5
13	MP2C	X	0	1
14	MP2C	Z	-5.518	1
15	MP2C	Mx	.002	1
16	MP2C	X	0	5
17	MP2C	Z	-5.518	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP2C	Mx	.002	5
19	MP2A	X	0	1
20	MP2A	Z	-6.159	1
21	MP2A	Mx	.005	1
22	MP2A	X	0	5
23	MP2A	Z	-6.159	5
24	MP2A	Mx	.005	5
25	MP2B	X	0	1
26	MP2B	Z	-4.609	1
27	MP2B	Mx	.002	1
28	MP2B	X	0	5
29	MP2B	Z	-4.609	5
30	MP2B	Mx	.002	5
31	MP2C	X	0	1
32	MP2C	Z	-5.518	1
33	MP2C	Mx	-.005	1
34	MP2C	X	0	5
35	MP2C	Z	-5.518	5
36	MP2C	Mx	-.005	5
37	MP3A	X	0	2
38	MP3A	Z	-5.104	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	-5.104	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	-1.758	2
45	MP3B	Mx	.000879	2
46	MP3B	X	0	4
47	MP3B	Z	-1.758	4
48	MP3B	Mx	.000879	4
49	MP3C	X	0	2
50	MP3C	Z	-3.721	2
51	MP3C	Mx	-.001	2
52	MP3C	X	0	4
53	MP3C	Z	-3.721	4
54	MP3C	Mx	-.001	4
55	M117	X	0	1
56	M117	Z	-8.255	1
57	M117	Mx	0	1
58	MP2A	X	0	2
59	MP2A	Z	-4.036	2
60	MP2A	Mx	0	2
61	MP2B	X	0	2
62	MP2B	Z	-2.708	2
63	MP2B	Mx	-.001	2
64	MP2C	X	0	2
65	MP2C	Z	-3.488	2
66	MP2C	Mx	.001	2
67	MP1A	X	0	2
68	MP1A	Z	-4.036	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	-2.213	2
72	MP1B	Mx	-.001	2
73	MP1C	X	0	2
74	MP1C	Z	-3.283	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP1C	Mx	.001	2
76	MP4A	X	0	2
77	MP4A	Z	-4.336	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	-4.336	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	-4.13	2
84	MP4B	Mx	.002	2
85	MP4B	X	0	4
86	MP4B	Z	-4.13	4
87	MP4B	Mx	.002	4
88	MP4C	X	0	2
89	MP4C	Z	-4.251	2
90	MP4C	Mx	-.001	2
91	MP4C	X	0	4
92	MP4C	Z	-4.251	4
93	MP4C	Mx	-.001	4
94	MP2A	X	0	4.5
95	MP2A	Z	-1.25	4.5
96	MP2A	Mx	-.000417	4.5
97	MP2A	X	0	5.5
98	MP2A	Z	-1.25	5.5
99	MP2A	Mx	-.000417	5.5
100	MP2B	X	0	4.5
101	MP2B	Z	-1.254	4.5
102	MP2B	Mx	-.001	4.5
103	MP2B	X	0	5.5
104	MP2B	Z	-1.254	5.5
105	MP2B	Mx	-.001	5.5
106	MP2A	X	0	4.5
107	MP2A	Z	-1.25	4.5
108	MP2A	Mx	.000417	4.5
109	MP2A	X	0	5.5
110	MP2A	Z	-1.25	5.5
111	MP2A	Mx	.000417	5.5
112	MP2B	X	0	4.5
113	MP2B	Z	-1.254	4.5
114	MP2B	Mx	-.001	4.5
115	MP2B	X	0	5.5
116	MP2B	Z	-1.254	5.5
117	MP2B	Mx	-.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.886	1
2	MP2A	Z	-4.998	1
3	MP2A	Mx	-.006	1
4	MP2A	X	2.886	5
5	MP2A	Z	-4.998	5
6	MP2A	Mx	-.006	5
7	MP2B	X	2.498	1
8	MP2B	Z	-4.327	1
9	MP2B	Mx	8.2e-5	1
10	MP2B	X	2.498	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP2B	Z	-4.327	5
12	MP2B	Mx	8.2e-5	5
13	MP2C	X	3.056	1
14	MP2C	Z	-5.293	1
15	MP2C	Mx	.004	1
16	MP2C	X	3.056	5
17	MP2C	Z	-5.293	5
18	MP2C	Mx	.004	5
19	MP2A	X	2.886	1
20	MP2A	Z	-4.998	1
21	MP2A	Mx	.003	1
22	MP2A	X	2.886	5
23	MP2A	Z	-4.998	5
24	MP2A	Mx	.003	5
25	MP2B	X	2.498	1
26	MP2B	Z	-4.327	1
27	MP2B	Mx	.004	1
28	MP2B	X	2.498	5
29	MP2B	Z	-4.327	5
30	MP2B	Mx	.004	5
31	MP2C	X	3.056	1
32	MP2C	Z	-5.293	1
33	MP2C	Mx	-.006	1
34	MP2C	X	3.056	5
35	MP2C	Z	-5.293	5
36	MP2C	Mx	-.006	5
37	MP3A	X	2.134	2
38	MP3A	Z	-3.696	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.134	4
41	MP3A	Z	-3.696	4
42	MP3A	Mx	-.001	4
43	MP3B	X	1.297	2
44	MP3B	Z	-2.247	2
45	MP3B	Mx	.001	2
46	MP3B	X	1.297	4
47	MP3B	Z	-2.247	4
48	MP3B	Mx	.001	4
49	MP3C	X	2.502	2
50	MP3C	Z	-4.333	2
51	MP3C	Mx	-.000434	2
52	MP3C	X	2.502	4
53	MP3C	Z	-4.333	4
54	MP3C	Mx	-.000434	4
55	M117	X	3.88	1
56	M117	Z	-6.72	1
57	M117	Mx	-.002	1
58	MP2A	X	1.852	2
59	MP2A	Z	-3.208	2
60	MP2A	Mx	.000926	2
61	MP2B	X	1.52	2
62	MP2B	Z	-2.633	2
63	MP2B	Mx	-.001	2
64	MP2C	X	1.998	2
65	MP2C	Z	-3.461	2
66	MP2C	Mx	.000347	2
67	MP1A	X	1.79	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1A	Z	-3.101	2
69	MP1A	Mx	.000895	2
70	MP1B	X	1.335	2
71	MP1B	Z	-2.312	2
72	MP1B	Mx	-.001	2
73	MP1C	X	1.991	2
74	MP1C	Z	-3.448	2
75	MP1C	Mx	.000346	2
76	MP4A	X	2.142	2
77	MP4A	Z	-3.71	2
78	MP4A	Mx	-.001	2
79	MP4A	X	2.142	4
80	MP4A	Z	-3.71	4
81	MP4A	Mx	-.001	4
82	MP4B	X	2.091	2
83	MP4B	Z	-3.621	2
84	MP4B	Mx	.002	2
85	MP4B	X	2.091	4
86	MP4B	Z	-3.621	4
87	MP4B	Mx	.002	4
88	MP4C	X	2.165	2
89	MP4C	Z	-3.749	2
90	MP4C	Mx	-.000376	2
91	MP4C	X	2.165	4
92	MP4C	Z	-3.749	4
93	MP4C	Mx	-.000376	4
94	MP2A	X	.625	4.5
95	MP2A	Z	-1.083	4.5
96	MP2A	Mx	.000264	4.5
97	MP2A	X	.625	5.5
98	MP2A	Z	-1.083	5.5
99	MP2A	Mx	.000264	5.5
100	MP2B	X	.626	4.5
101	MP2B	Z	-1.085	4.5
102	MP2B	Mx	-.001	4.5
103	MP2B	X	.626	5.5
104	MP2B	Z	-1.085	5.5
105	MP2B	Mx	-.001	5.5
106	MP2A	X	.625	4.5
107	MP2A	Z	-1.083	4.5
108	MP2A	Mx	.000986	4.5
109	MP2A	X	.625	5.5
110	MP2A	Z	-1.083	5.5
111	MP2A	Mx	.000986	5.5
112	MP2B	X	.626	4.5
113	MP2B	Z	-1.085	4.5
114	MP2B	Mx	-.000876	4.5
115	MP2B	X	.626	5.5
116	MP2B	Z	-1.085	5.5
117	MP2B	Mx	-.000876	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.327	1
2	MP2A	Z	-2.498	1
3	MP2A	Mx	-.004	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
4	MP2A	X	4.327	5
5	MP2A	Z	-2.498	5
6	MP2A	Mx	-.004	5
7	MP2B	X	4.998	1
8	MP2B	Z	-2.886	1
9	MP2B	Mx	-.003	1
10	MP2B	X	4.998	5
11	MP2B	Z	-2.886	5
12	MP2B	Mx	-.003	5
13	MP2C	X	5.177	1
14	MP2C	Z	-2.989	1
15	MP2C	Mx	.006	1
16	MP2C	X	5.177	5
17	MP2C	Z	-2.989	5
18	MP2C	Mx	.006	5
19	MP2A	X	4.327	1
20	MP2A	Z	-2.498	1
21	MP2A	Mx	-8.2e-5	1
22	MP2A	X	4.327	5
23	MP2A	Z	-2.498	5
24	MP2A	Mx	-8.2e-5	5
25	MP2B	X	4.998	1
26	MP2B	Z	-2.886	1
27	MP2B	Mx	.006	1
28	MP2B	X	4.998	5
29	MP2B	Z	-2.886	5
30	MP2B	Mx	.006	5
31	MP2C	X	5.177	1
32	MP2C	Z	-2.989	1
33	MP2C	Mx	-.004	1
34	MP2C	X	5.177	5
35	MP2C	Z	-2.989	5
36	MP2C	Mx	-.004	5
37	MP3A	X	2.247	2
38	MP3A	Z	-1.297	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.247	4
41	MP3A	Z	-1.297	4
42	MP3A	Mx	-.001	4
43	MP3B	X	3.696	2
44	MP3B	Z	-2.134	2
45	MP3B	Mx	.001	2
46	MP3B	X	3.696	4
47	MP3B	Z	-2.134	4
48	MP3B	Mx	.001	4
49	MP3C	X	4.081	2
50	MP3C	Z	-2.356	2
51	MP3C	Mx	.000806	2
52	MP3C	X	4.081	4
53	MP3C	Z	-2.356	4
54	MP3C	Mx	.000806	4
55	M117	X	5.863	1
56	M117	Z	-3.385	1
57	M117	Mx	-.003	1
58	MP2A	X	2.633	2
59	MP2A	Z	-1.52	2
60	MP2A	Mx	.001	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
61	MP2B	X	3.208	2
62	MP2B	Z	-1.852	2
63	MP2B	Mx	-.000926	2
64	MP2C	X	3.361	2
65	MP2C	Z	-1.94	2
66	MP2C	Mx	-.000664	2
67	MP1A	X	2.312	2
68	MP1A	Z	-1.335	2
69	MP1A	Mx	.001	2
70	MP1B	X	3.101	2
71	MP1B	Z	-1.79	2
72	MP1B	Mx	-.000895	2
73	MP1C	X	3.311	2
74	MP1C	Z	-1.912	2
75	MP1C	Mx	-.000654	2
76	MP4A	X	3.621	2
77	MP4A	Z	-2.091	2
78	MP4A	Mx	-.002	2
79	MP4A	X	3.621	4
80	MP4A	Z	-2.091	4
81	MP4A	Mx	-.002	4
82	MP4B	X	3.71	2
83	MP4B	Z	-2.142	2
84	MP4B	Mx	.001	2
85	MP4B	X	3.71	4
86	MP4B	Z	-2.142	4
87	MP4B	Mx	.001	4
88	MP4C	X	3.734	2
89	MP4C	Z	-2.156	2
90	MP4C	Mx	.000737	2
91	MP4C	X	3.734	4
92	MP4C	Z	-2.156	4
93	MP4C	Mx	.000737	4
94	MP2A	X	1.085	4.5
95	MP2A	Z	-.626	4.5
96	MP2A	Mx	.000876	4.5
97	MP2A	X	1.085	5.5
98	MP2A	Z	-.626	5.5
99	MP2A	Mx	.000876	5.5
100	MP2B	X	1.083	4.5
101	MP2B	Z	-.625	4.5
102	MP2B	Mx	-.000986	4.5
103	MP2B	X	1.083	5.5
104	MP2B	Z	-.625	5.5
105	MP2B	Mx	-.000986	5.5
106	MP2A	X	1.085	4.5
107	MP2A	Z	-.626	4.5
108	MP2A	Mx	.001	4.5
109	MP2A	X	1.085	5.5
110	MP2A	Z	-.626	5.5
111	MP2A	Mx	.001	5.5
112	MP2B	X	1.083	4.5
113	MP2B	Z	-.625	4.5
114	MP2B	Mx	-.000264	4.5
115	MP2B	X	1.083	5.5
116	MP2B	Z	-.625	5.5
117	MP2B	Mx	-.000264	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.609	1
2	MP2A	Z	0	1
3	MP2A	Mx	-.002	1
4	MP2A	X	4.609	5
5	MP2A	Z	0	5
6	MP2A	Mx	-.002	5
7	MP2B	X	6.159	1
8	MP2B	Z	0	1
9	MP2B	Mx	-.005	1
10	MP2B	X	6.159	5
11	MP2B	Z	0	5
12	MP2B	Mx	-.005	5
13	MP2C	X	5.249	1
14	MP2C	Z	0	1
15	MP2C	Mx	.005	1
16	MP2C	X	5.249	5
17	MP2C	Z	0	5
18	MP2C	Mx	.005	5
19	MP2A	X	4.609	1
20	MP2A	Z	0	1
21	MP2A	Mx	-.002	1
22	MP2A	X	4.609	5
23	MP2A	Z	0	5
24	MP2A	Mx	-.002	5
25	MP2B	X	6.159	1
26	MP2B	Z	0	1
27	MP2B	Mx	.005	1
28	MP2B	X	6.159	5
29	MP2B	Z	0	5
30	MP2B	Mx	.005	5
31	MP2C	X	5.249	1
32	MP2C	Z	0	1
33	MP2C	Mx	-.000801	1
34	MP2C	X	5.249	5
35	MP2C	Z	0	5
36	MP2C	Mx	-.000801	5
37	MP3A	X	1.758	2
38	MP3A	Z	0	2
39	MP3A	Mx	-.000879	2
40	MP3A	X	1.758	4
41	MP3A	Z	0	4
42	MP3A	Mx	-.000879	4
43	MP3B	X	5.104	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	5.104	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	3.14	2
50	MP3C	Z	0	2
51	MP3C	Mx	.001	2
52	MP3C	X	3.14	4
53	MP3C	Z	0	4
54	MP3C	Mx	.001	4
55	M117	X	6.276	1
56	M117	Z	0	1
57	M117	Mx	-.003	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP2A	X	2.708	2
59	MP2A	Z	0	2
60	MP2A	Mx	.001	2
61	MP2B	X	4.036	2
62	MP2B	Z	0	2
63	MP2B	Mx	0	2
64	MP2C	X	3.257	2
65	MP2C	Z	0	2
66	MP2C	Mx	-.001	2
67	MP1A	X	2.213	2
68	MP1A	Z	0	2
69	MP1A	Mx	.001	2
70	MP1B	X	4.036	2
71	MP1B	Z	0	2
72	MP1B	Mx	0	2
73	MP1C	X	2.967	2
74	MP1C	Z	0	2
75	MP1C	Mx	-.001	2
76	MP4A	X	4.13	2
77	MP4A	Z	0	2
78	MP4A	Mx	-.002	2
79	MP4A	X	4.13	4
80	MP4A	Z	0	4
81	MP4A	Mx	-.002	4
82	MP4B	X	4.336	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	4.336	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	4.215	2
89	MP4C	Z	0	2
90	MP4C	Mx	.002	2
91	MP4C	X	4.215	4
92	MP4C	Z	0	4
93	MP4C	Mx	.002	4
94	MP2A	X	1.254	4.5
95	MP2A	Z	0	4.5
96	MP2A	Mx	.001	4.5
97	MP2A	X	1.254	5.5
98	MP2A	Z	0	5.5
99	MP2A	Mx	.001	5.5
100	MP2B	X	1.25	4.5
101	MP2B	Z	0	4.5
102	MP2B	Mx	-.000417	4.5
103	MP2B	X	1.25	5.5
104	MP2B	Z	0	5.5
105	MP2B	Mx	-.000417	5.5
106	MP2A	X	1.254	4.5
107	MP2A	Z	0	4.5
108	MP2A	Mx	.001	4.5
109	MP2A	X	1.254	5.5
110	MP2A	Z	0	5.5
111	MP2A	Mx	.001	5.5
112	MP2B	X	1.25	4.5
113	MP2B	Z	0	4.5
114	MP2B	Mx	.000417	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
115	MP2B	X	1.25	5.5
116	MP2B	Z	0	5.5
117	MP2B	Mx	.000417	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	4.327	1
2	MP2A	Z	2.498	1
3	MP2A	Mx	-8.2e-5	1
4	MP2A	X	4.327	5
5	MP2A	Z	2.498	5
6	MP2A	Mx	-8.2e-5	5
7	MP2B	X	4.998	1
8	MP2B	Z	2.886	1
9	MP2B	Mx	-.006	1
10	MP2B	X	4.998	5
11	MP2B	Z	2.886	5
12	MP2B	Mx	-.006	5
13	MP2C	X	4.032	1
14	MP2C	Z	2.328	1
15	MP2C	Mx	.003	1
16	MP2C	X	4.032	5
17	MP2C	Z	2.328	5
18	MP2C	Mx	.003	5
19	MP2A	X	4.327	1
20	MP2A	Z	2.498	1
21	MP2A	Mx	-.004	1
22	MP2A	X	4.327	5
23	MP2A	Z	2.498	5
24	MP2A	Mx	-.004	5
25	MP2B	X	4.998	1
26	MP2B	Z	2.886	1
27	MP2B	Mx	.003	1
28	MP2B	X	4.998	5
29	MP2B	Z	2.886	5
30	MP2B	Mx	.003	5
31	MP2C	X	4.032	1
32	MP2C	Z	2.328	1
33	MP2C	Mx	.002	1
34	MP2C	X	4.032	5
35	MP2C	Z	2.328	5
36	MP2C	Mx	.002	5
37	MP3A	X	2.247	2
38	MP3A	Z	1.297	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.247	4
41	MP3A	Z	1.297	4
42	MP3A	Mx	-.001	4
43	MP3B	X	3.696	2
44	MP3B	Z	2.134	2
45	MP3B	Mx	-.001	2
46	MP3B	X	3.696	4
47	MP3B	Z	2.134	4
48	MP3B	Mx	-.001	4
49	MP3C	X	1.61	2
50	MP3C	Z	.929	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP3C	Mx	.000915	2
52	MP3C	X	1.61	4
53	MP3C	Z	.929	4
54	MP3C	Mx	.000915	4
55	M117	X	5.863	1
56	M117	Z	3.385	1
57	M117	Mx	-.003	1
58	MP2A	X	2.633	2
59	MP2A	Z	1.52	2
60	MP2A	Mx	.001	2
61	MP2B	X	3.208	2
62	MP2B	Z	1.852	2
63	MP2B	Mx	.000926	2
64	MP2C	X	2.38	2
65	MP2C	Z	1.374	2
66	MP2C	Mx	-.001	2
67	MP1A	X	2.312	2
68	MP1A	Z	1.335	2
69	MP1A	Mx	.001	2
70	MP1B	X	3.101	2
71	MP1B	Z	1.79	2
72	MP1B	Mx	.000895	2
73	MP1C	X	1.965	2
74	MP1C	Z	1.134	2
75	MP1C	Mx	-.001	2
76	MP4A	X	3.621	2
77	MP4A	Z	2.091	2
78	MP4A	Mx	-.002	2
79	MP4A	X	3.621	4
80	MP4A	Z	2.091	4
81	MP4A	Mx	-.002	4
82	MP4B	X	3.71	2
83	MP4B	Z	2.142	2
84	MP4B	Mx	-.001	2
85	MP4B	X	3.71	4
86	MP4B	Z	2.142	4
87	MP4B	Mx	-.001	4
88	MP4C	X	3.582	2
89	MP4C	Z	2.068	2
90	MP4C	Mx	.002	2
91	MP4C	X	3.582	4
92	MP4C	Z	2.068	4
93	MP4C	Mx	.002	4
94	MP2A	X	1.085	4.5
95	MP2A	Z	.626	4.5
96	MP2A	Mx	.001	4.5
97	MP2A	X	1.085	5.5
98	MP2A	Z	.626	5.5
99	MP2A	Mx	.001	5.5
100	MP2B	X	1.083	4.5
101	MP2B	Z	.625	4.5
102	MP2B	Mx	.000264	4.5
103	MP2B	X	1.083	5.5
104	MP2B	Z	.625	5.5
105	MP2B	Mx	.000264	5.5
106	MP2A	X	1.085	4.5
107	MP2A	Z	.626	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
108	MP2A	Mx	.000876	4.5
109	MP2A	X	1.085	5.5
110	MP2A	Z	.626	5.5
111	MP2A	Mx	.000876	5.5
112	MP2B	X	1.083	4.5
113	MP2B	Z	.625	4.5
114	MP2B	Mx	.000986	4.5
115	MP2B	X	1.083	5.5
116	MP2B	Z	.625	5.5
117	MP2B	Mx	.000986	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.886	1
2	MP2A	Z	4.998	1
3	MP2A	Mx	.003	1
4	MP2A	X	2.886	5
5	MP2A	Z	4.998	5
6	MP2A	Mx	.003	5
7	MP2B	X	2.498	1
8	MP2B	Z	4.327	1
9	MP2B	Mx	-.004	1
10	MP2B	X	2.498	5
11	MP2B	Z	4.327	5
12	MP2B	Mx	-.004	5
13	MP2C	X	2.395	1
14	MP2C	Z	4.149	1
15	MP2C	Mx	.000885	1
16	MP2C	X	2.395	5
17	MP2C	Z	4.149	5
18	MP2C	Mx	.000885	5
19	MP2A	X	2.886	1
20	MP2A	Z	4.998	1
21	MP2A	Mx	-.006	1
22	MP2A	X	2.886	5
23	MP2A	Z	4.998	5
24	MP2A	Mx	-.006	5
25	MP2B	X	2.498	1
26	MP2B	Z	4.327	1
27	MP2B	Mx	-8.2e-5	1
28	MP2B	X	2.498	5
29	MP2B	Z	4.327	5
30	MP2B	Mx	-8.2e-5	5
31	MP2C	X	2.395	1
32	MP2C	Z	4.149	1
33	MP2C	Mx	.004	1
34	MP2C	X	2.395	5
35	MP2C	Z	4.149	5
36	MP2C	Mx	.004	5
37	MP3A	X	2.134	2
38	MP3A	Z	3.696	2
39	MP3A	Mx	-.001	2
40	MP3A	X	2.134	4
41	MP3A	Z	3.696	4
42	MP3A	Mx	-.001	4
43	MP3B	X	1.297	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP3B	Z	2.247	2
45	MP3B	Mx	-.001	2
46	MP3B	X	1.297	4
47	MP3B	Z	2.247	4
48	MP3B	Mx	-.001	4
49	MP3C	X	1.075	2
50	MP3C	Z	1.861	2
51	MP3C	Mx	.001	2
52	MP3C	X	1.075	4
53	MP3C	Z	1.861	4
54	MP3C	Mx	.001	4
55	M117	X	3.88	1
56	M117	Z	6.72	1
57	M117	Mx	-.002	1
58	MP2A	X	1.852	2
59	MP2A	Z	3.208	2
60	MP2A	Mx	.000926	2
61	MP2B	X	1.52	2
62	MP2B	Z	2.633	2
63	MP2B	Mx	.001	2
64	MP2C	X	1.432	2
65	MP2C	Z	2.48	2
66	MP2C	Mx	-.001	2
67	MP1A	X	1.79	2
68	MP1A	Z	3.101	2
69	MP1A	Mx	.000895	2
70	MP1B	X	1.335	2
71	MP1B	Z	2.312	2
72	MP1B	Mx	.001	2
73	MP1C	X	1.213	2
74	MP1C	Z	2.102	2
75	MP1C	Mx	-.001	2
76	MP4A	X	2.142	2
77	MP4A	Z	3.71	2
78	MP4A	Mx	-.001	2
79	MP4A	X	2.142	4
80	MP4A	Z	3.71	4
81	MP4A	Mx	-.001	4
82	MP4B	X	2.091	2
83	MP4B	Z	3.621	2
84	MP4B	Mx	-.002	2
85	MP4B	X	2.091	4
86	MP4B	Z	3.621	4
87	MP4B	Mx	-.002	4
88	MP4C	X	2.077	2
89	MP4C	Z	3.597	2
90	MP4C	Mx	.002	2
91	MP4C	X	2.077	4
92	MP4C	Z	3.597	4
93	MP4C	Mx	.002	4
94	MP2A	X	.625	4.5
95	MP2A	Z	1.083	4.5
96	MP2A	Mx	.000986	4.5
97	MP2A	X	.625	5.5
98	MP2A	Z	1.083	5.5
99	MP2A	Mx	.000986	5.5
100	MP2B	X	.626	4.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	MP2B	Z	1.085	4.5
102	MP2B	Mx	.000876	4.5
103	MP2B	X	.626	5.5
104	MP2B	Z	1.085	5.5
105	MP2B	Mx	.000876	5.5
106	MP2A	X	.625	4.5
107	MP2A	Z	1.083	4.5
108	MP2A	Mx	.000264	4.5
109	MP2A	X	.625	5.5
110	MP2A	Z	1.083	5.5
111	MP2A	Mx	.000264	5.5
112	MP2B	X	.626	4.5
113	MP2B	Z	1.085	4.5
114	MP2B	Mx	.001	4.5
115	MP2B	X	.626	5.5
116	MP2B	Z	1.085	5.5
117	MP2B	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	0	1
2	MP2A	Z	6.159	1
3	MP2A	Mx	.005	1
4	MP2A	X	0	5
5	MP2A	Z	6.159	5
6	MP2A	Mx	.005	5
7	MP2B	X	0	1
8	MP2B	Z	4.609	1
9	MP2B	Mx	-.002	1
10	MP2B	X	0	5
11	MP2B	Z	4.609	5
12	MP2B	Mx	-.002	5
13	MP2C	X	0	1
14	MP2C	Z	5.518	1
15	MP2C	Mx	-.002	1
16	MP2C	X	0	5
17	MP2C	Z	5.518	5
18	MP2C	Mx	-.002	5
19	MP2A	X	0	1
20	MP2A	Z	6.159	1
21	MP2A	Mx	-.005	1
22	MP2A	X	0	5
23	MP2A	Z	6.159	5
24	MP2A	Mx	-.005	5
25	MP2B	X	0	1
26	MP2B	Z	4.609	1
27	MP2B	Mx	-.002	1
28	MP2B	X	0	5
29	MP2B	Z	4.609	5
30	MP2B	Mx	-.002	5
31	MP2C	X	0	1
32	MP2C	Z	5.518	1
33	MP2C	Mx	.005	1
34	MP2C	X	0	5
35	MP2C	Z	5.518	5
36	MP2C	Mx	.005	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
37	MP3A	X	0	2
38	MP3A	Z	5.104	2
39	MP3A	Mx	0	2
40	MP3A	X	0	4
41	MP3A	Z	5.104	4
42	MP3A	Mx	0	4
43	MP3B	X	0	2
44	MP3B	Z	1.758	2
45	MP3B	Mx	-.000879	2
46	MP3B	X	0	4
47	MP3B	Z	1.758	4
48	MP3B	Mx	-.000879	4
49	MP3C	X	0	2
50	MP3C	Z	3.721	2
51	MP3C	Mx	.001	2
52	MP3C	X	0	4
53	MP3C	Z	3.721	4
54	MP3C	Mx	.001	4
55	M117	X	0	1
56	M117	Z	8.255	1
57	M117	Mx	0	1
58	MP2A	X	0	2
59	MP2A	Z	4.036	2
60	MP2A	Mx	0	2
61	MP2B	X	0	2
62	MP2B	Z	2.708	2
63	MP2B	Mx	.001	2
64	MP2C	X	0	2
65	MP2C	Z	3.488	2
66	MP2C	Mx	-.001	2
67	MP1A	X	0	2
68	MP1A	Z	4.036	2
69	MP1A	Mx	0	2
70	MP1B	X	0	2
71	MP1B	Z	2.213	2
72	MP1B	Mx	.001	2
73	MP1C	X	0	2
74	MP1C	Z	3.283	2
75	MP1C	Mx	-.001	2
76	MP4A	X	0	2
77	MP4A	Z	4.336	2
78	MP4A	Mx	0	2
79	MP4A	X	0	4
80	MP4A	Z	4.336	4
81	MP4A	Mx	0	4
82	MP4B	X	0	2
83	MP4B	Z	4.13	2
84	MP4B	Mx	-.002	2
85	MP4B	X	0	4
86	MP4B	Z	4.13	4
87	MP4B	Mx	-.002	4
88	MP4C	X	0	2
89	MP4C	Z	4.251	2
90	MP4C	Mx	.001	2
91	MP4C	X	0	4
92	MP4C	Z	4.251	4
93	MP4C	Mx	.001	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
94	MP2A	X	0	4.5
95	MP2A	Z	1.25	4.5
96	MP2A	Mx	.000417	4.5
97	MP2A	X	0	5.5
98	MP2A	Z	1.25	5.5
99	MP2A	Mx	.000417	5.5
100	MP2B	X	0	4.5
101	MP2B	Z	1.254	4.5
102	MP2B	Mx	.001	4.5
103	MP2B	X	0	5.5
104	MP2B	Z	1.254	5.5
105	MP2B	Mx	.001	5.5
106	MP2A	X	0	4.5
107	MP2A	Z	1.25	4.5
108	MP2A	Mx	-.000417	4.5
109	MP2A	X	0	5.5
110	MP2A	Z	1.25	5.5
111	MP2A	Mx	-.000417	5.5
112	MP2B	X	0	4.5
113	MP2B	Z	1.254	4.5
114	MP2B	Mx	.001	4.5
115	MP2B	X	0	5.5
116	MP2B	Z	1.254	5.5
117	MP2B	Mx	.001	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.886	1
2	MP2A	Z	4.998	1
3	MP2A	Mx	.006	1
4	MP2A	X	-2.886	5
5	MP2A	Z	4.998	5
6	MP2A	Mx	.006	5
7	MP2B	X	-2.498	1
8	MP2B	Z	4.327	1
9	MP2B	Mx	-8.2e-5	1
10	MP2B	X	-2.498	5
11	MP2B	Z	4.327	5
12	MP2B	Mx	-8.2e-5	5
13	MP2C	X	-3.056	1
14	MP2C	Z	5.293	1
15	MP2C	Mx	-.004	1
16	MP2C	X	-3.056	5
17	MP2C	Z	5.293	5
18	MP2C	Mx	-.004	5
19	MP2A	X	-2.886	1
20	MP2A	Z	4.998	1
21	MP2A	Mx	-.003	1
22	MP2A	X	-2.886	5
23	MP2A	Z	4.998	5
24	MP2A	Mx	-.003	5
25	MP2B	X	-2.498	1
26	MP2B	Z	4.327	1
27	MP2B	Mx	-.004	1
28	MP2B	X	-2.498	5
29	MP2B	Z	4.327	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
30	MP2B	Mx	-.004	5
31	MP2C	X	-3.056	1
32	MP2C	Z	5.293	1
33	MP2C	Mx	.006	1
34	MP2C	X	-3.056	5
35	MP2C	Z	5.293	5
36	MP2C	Mx	.006	5
37	MP3A	X	-2.134	2
38	MP3A	Z	3.696	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.134	4
41	MP3A	Z	3.696	4
42	MP3A	Mx	.001	4
43	MP3B	X	-1.297	2
44	MP3B	Z	2.247	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-1.297	4
47	MP3B	Z	2.247	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-2.502	2
50	MP3C	Z	4.333	2
51	MP3C	Mx	.000434	2
52	MP3C	X	-2.502	4
53	MP3C	Z	4.333	4
54	MP3C	Mx	.000434	4
55	M117	X	-3.88	1
56	M117	Z	6.72	1
57	M117	Mx	.002	1
58	MP2A	X	-1.852	2
59	MP2A	Z	3.208	2
60	MP2A	Mx	-.000926	2
61	MP2B	X	-1.52	2
62	MP2B	Z	2.633	2
63	MP2B	Mx	.001	2
64	MP2C	X	-1.998	2
65	MP2C	Z	3.461	2
66	MP2C	Mx	-.000347	2
67	MP1A	X	-1.79	2
68	MP1A	Z	3.101	2
69	MP1A	Mx	-.000895	2
70	MP1B	X	-1.335	2
71	MP1B	Z	2.312	2
72	MP1B	Mx	.001	2
73	MP1C	X	-1.991	2
74	MP1C	Z	3.448	2
75	MP1C	Mx	-.000346	2
76	MP4A	X	-2.142	2
77	MP4A	Z	3.71	2
78	MP4A	Mx	.001	2
79	MP4A	X	-2.142	4
80	MP4A	Z	3.71	4
81	MP4A	Mx	.001	4
82	MP4B	X	-2.091	2
83	MP4B	Z	3.621	2
84	MP4B	Mx	-.002	2
85	MP4B	X	-2.091	4
86	MP4B	Z	3.621	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
87	MP4B	Mx	-.002	4
88	MP4C	X	-2.165	2
89	MP4C	Z	3.749	2
90	MP4C	Mx	.000376	2
91	MP4C	X	-2.165	4
92	MP4C	Z	3.749	4
93	MP4C	Mx	.000376	4
94	MP2A	X	-.625	4.5
95	MP2A	Z	1.083	4.5
96	MP2A	Mx	-.000264	4.5
97	MP2A	X	-.625	5.5
98	MP2A	Z	1.083	5.5
99	MP2A	Mx	-.000264	5.5
100	MP2B	X	-.626	4.5
101	MP2B	Z	1.085	4.5
102	MP2B	Mx	.001	4.5
103	MP2B	X	-.626	5.5
104	MP2B	Z	1.085	5.5
105	MP2B	Mx	.001	5.5
106	MP2A	X	-.625	4.5
107	MP2A	Z	1.083	4.5
108	MP2A	Mx	-.000986	4.5
109	MP2A	X	-.625	5.5
110	MP2A	Z	1.083	5.5
111	MP2A	Mx	-.000986	5.5
112	MP2B	X	-.626	4.5
113	MP2B	Z	1.085	4.5
114	MP2B	Mx	.000876	4.5
115	MP2B	X	-.626	5.5
116	MP2B	Z	1.085	5.5
117	MP2B	Mx	.000876	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.327	1
2	MP2A	Z	2.498	1
3	MP2A	Mx	.004	1
4	MP2A	X	-4.327	5
5	MP2A	Z	2.498	5
6	MP2A	Mx	.004	5
7	MP2B	X	-4.998	1
8	MP2B	Z	2.886	1
9	MP2B	Mx	.003	1
10	MP2B	X	-4.998	5
11	MP2B	Z	2.886	5
12	MP2B	Mx	.003	5
13	MP2C	X	-5.177	1
14	MP2C	Z	2.989	1
15	MP2C	Mx	-.006	1
16	MP2C	X	-5.177	5
17	MP2C	Z	2.989	5
18	MP2C	Mx	-.006	5
19	MP2A	X	-4.327	1
20	MP2A	Z	2.498	1
21	MP2A	Mx	8.2e-5	1
22	MP2A	X	-4.327	5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP2A	Z	2.498	5
24	MP2A	Mx	8.2e-5	5
25	MP2B	X	-4.998	1
26	MP2B	Z	2.886	1
27	MP2B	Mx	-.006	1
28	MP2B	X	-4.998	5
29	MP2B	Z	2.886	5
30	MP2B	Mx	-.006	5
31	MP2C	X	-5.177	1
32	MP2C	Z	2.989	1
33	MP2C	Mx	.004	1
34	MP2C	X	-5.177	5
35	MP2C	Z	2.989	5
36	MP2C	Mx	.004	5
37	MP3A	X	-2.247	2
38	MP3A	Z	1.297	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.247	4
41	MP3A	Z	1.297	4
42	MP3A	Mx	.001	4
43	MP3B	X	-3.696	2
44	MP3B	Z	2.134	2
45	MP3B	Mx	-.001	2
46	MP3B	X	-3.696	4
47	MP3B	Z	2.134	4
48	MP3B	Mx	-.001	4
49	MP3C	X	-4.081	2
50	MP3C	Z	2.356	2
51	MP3C	Mx	-.000806	2
52	MP3C	X	-4.081	4
53	MP3C	Z	2.356	4
54	MP3C	Mx	-.000806	4
55	M117	X	-5.863	1
56	M117	Z	3.385	1
57	M117	Mx	.003	1
58	MP2A	X	-2.633	2
59	MP2A	Z	1.52	2
60	MP2A	Mx	-.001	2
61	MP2B	X	-3.208	2
62	MP2B	Z	1.852	2
63	MP2B	Mx	.000926	2
64	MP2C	X	-3.361	2
65	MP2C	Z	1.94	2
66	MP2C	Mx	.000664	2
67	MP1A	X	-2.312	2
68	MP1A	Z	1.335	2
69	MP1A	Mx	-.001	2
70	MP1B	X	-3.101	2
71	MP1B	Z	1.79	2
72	MP1B	Mx	.000895	2
73	MP1C	X	-3.311	2
74	MP1C	Z	1.912	2
75	MP1C	Mx	.000654	2
76	MP4A	X	-3.621	2
77	MP4A	Z	2.091	2
78	MP4A	Mx	.002	2
79	MP4A	X	-3.621	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
80	MP4A	Z	2.091	4
81	MP4A	Mx	.002	4
82	MP4B	X	-3.71	2
83	MP4B	Z	2.142	2
84	MP4B	Mx	-.001	2
85	MP4B	X	-3.71	4
86	MP4B	Z	2.142	4
87	MP4B	Mx	-.001	4
88	MP4C	X	-3.734	2
89	MP4C	Z	2.156	2
90	MP4C	Mx	-.000737	2
91	MP4C	X	-3.734	4
92	MP4C	Z	2.156	4
93	MP4C	Mx	-.000737	4
94	MP2A	X	-1.085	4.5
95	MP2A	Z	.626	4.5
96	MP2A	Mx	-.000876	4.5
97	MP2A	X	-1.085	5.5
98	MP2A	Z	.626	5.5
99	MP2A	Mx	-.000876	5.5
100	MP2B	X	-1.083	4.5
101	MP2B	Z	.625	4.5
102	MP2B	Mx	.000986	4.5
103	MP2B	X	-1.083	5.5
104	MP2B	Z	.625	5.5
105	MP2B	Mx	.000986	5.5
106	MP2A	X	-1.085	4.5
107	MP2A	Z	.626	4.5
108	MP2A	Mx	-.001	4.5
109	MP2A	X	-1.085	5.5
110	MP2A	Z	.626	5.5
111	MP2A	Mx	-.001	5.5
112	MP2B	X	-1.083	4.5
113	MP2B	Z	.625	4.5
114	MP2B	Mx	.000264	4.5
115	MP2B	X	-1.083	5.5
116	MP2B	Z	.625	5.5
117	MP2B	Mx	.000264	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.609	1
2	MP2A	Z	0	1
3	MP2A	Mx	.002	1
4	MP2A	X	-4.609	5
5	MP2A	Z	0	5
6	MP2A	Mx	.002	5
7	MP2B	X	-6.159	1
8	MP2B	Z	0	1
9	MP2B	Mx	.005	1
10	MP2B	X	-6.159	5
11	MP2B	Z	0	5
12	MP2B	Mx	.005	5
13	MP2C	X	-5.249	1
14	MP2C	Z	0	1
15	MP2C	Mx	-.005	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
16	MP2C	X	-5.249	5
17	MP2C	Z	0	5
18	MP2C	Mx	-.005	5
19	MP2A	X	-4.609	1
20	MP2A	Z	0	1
21	MP2A	Mx	.002	1
22	MP2A	X	-4.609	5
23	MP2A	Z	0	5
24	MP2A	Mx	.002	5
25	MP2B	X	-6.159	1
26	MP2B	Z	0	1
27	MP2B	Mx	-.005	1
28	MP2B	X	-6.159	5
29	MP2B	Z	0	5
30	MP2B	Mx	-.005	5
31	MP2C	X	-5.249	1
32	MP2C	Z	0	1
33	MP2C	Mx	.000801	1
34	MP2C	X	-5.249	5
35	MP2C	Z	0	5
36	MP2C	Mx	.000801	5
37	MP3A	X	-1.758	2
38	MP3A	Z	0	2
39	MP3A	Mx	.000879	2
40	MP3A	X	-1.758	4
41	MP3A	Z	0	4
42	MP3A	Mx	.000879	4
43	MP3B	X	-5.104	2
44	MP3B	Z	0	2
45	MP3B	Mx	0	2
46	MP3B	X	-5.104	4
47	MP3B	Z	0	4
48	MP3B	Mx	0	4
49	MP3C	X	-3.14	2
50	MP3C	Z	0	2
51	MP3C	Mx	-.001	2
52	MP3C	X	-3.14	4
53	MP3C	Z	0	4
54	MP3C	Mx	-.001	4
55	M117	X	-6.276	1
56	M117	Z	0	1
57	M117	Mx	.003	1
58	MP2A	X	-2.708	2
59	MP2A	Z	0	2
60	MP2A	Mx	-.001	2
61	MP2B	X	-4.036	2
62	MP2B	Z	0	2
63	MP2B	Mx	0	2
64	MP2C	X	-3.257	2
65	MP2C	Z	0	2
66	MP2C	Mx	.001	2
67	MP1A	X	-2.213	2
68	MP1A	Z	0	2
69	MP1A	Mx	-.001	2
70	MP1B	X	-4.036	2
71	MP1B	Z	0	2
72	MP1B	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
73	MP1C	X	-2.967	2
74	MP1C	Z	0	2
75	MP1C	Mx	.001	2
76	MP4A	X	-4.13	2
77	MP4A	Z	0	2
78	MP4A	Mx	.002	2
79	MP4A	X	-4.13	4
80	MP4A	Z	0	4
81	MP4A	Mx	.002	4
82	MP4B	X	-4.336	2
83	MP4B	Z	0	2
84	MP4B	Mx	0	2
85	MP4B	X	-4.336	4
86	MP4B	Z	0	4
87	MP4B	Mx	0	4
88	MP4C	X	-4.215	2
89	MP4C	Z	0	2
90	MP4C	Mx	-.002	2
91	MP4C	X	-4.215	4
92	MP4C	Z	0	4
93	MP4C	Mx	-.002	4
94	MP2A	X	-1.254	4.5
95	MP2A	Z	0	4.5
96	MP2A	Mx	-.001	4.5
97	MP2A	X	-1.254	5.5
98	MP2A	Z	0	5.5
99	MP2A	Mx	-.001	5.5
100	MP2B	X	-1.25	4.5
101	MP2B	Z	0	4.5
102	MP2B	Mx	.000417	4.5
103	MP2B	X	-1.25	5.5
104	MP2B	Z	0	5.5
105	MP2B	Mx	.000417	5.5
106	MP2A	X	-1.254	4.5
107	MP2A	Z	0	4.5
108	MP2A	Mx	-.001	4.5
109	MP2A	X	-1.254	5.5
110	MP2A	Z	0	5.5
111	MP2A	Mx	-.001	5.5
112	MP2B	X	-1.25	4.5
113	MP2B	Z	0	4.5
114	MP2B	Mx	-.000417	4.5
115	MP2B	X	-1.25	5.5
116	MP2B	Z	0	5.5
117	MP2B	Mx	-.000417	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-4.327	1
2	MP2A	Z	-2.498	1
3	MP2A	Mx	8.2e-5	1
4	MP2A	X	-4.327	5
5	MP2A	Z	-2.498	5
6	MP2A	Mx	8.2e-5	5
7	MP2B	X	-4.998	1
8	MP2B	Z	-2.886	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP2B	Mx	.006	1
10	MP2B	X	-4.998	5
11	MP2B	Z	-2.886	5
12	MP2B	Mx	.006	5
13	MP2C	X	-4.032	1
14	MP2C	Z	-2.328	1
15	MP2C	Mx	-.003	1
16	MP2C	X	-4.032	5
17	MP2C	Z	-2.328	5
18	MP2C	Mx	-.003	5
19	MP2A	X	-4.327	1
20	MP2A	Z	-2.498	1
21	MP2A	Mx	.004	1
22	MP2A	X	-4.327	5
23	MP2A	Z	-2.498	5
24	MP2A	Mx	.004	5
25	MP2B	X	-4.998	1
26	MP2B	Z	-2.886	1
27	MP2B	Mx	-.003	1
28	MP2B	X	-4.998	5
29	MP2B	Z	-2.886	5
30	MP2B	Mx	-.003	5
31	MP2C	X	-4.032	1
32	MP2C	Z	-2.328	1
33	MP2C	Mx	-.002	1
34	MP2C	X	-4.032	5
35	MP2C	Z	-2.328	5
36	MP2C	Mx	-.002	5
37	MP3A	X	-2.247	2
38	MP3A	Z	-1.297	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.247	4
41	MP3A	Z	-1.297	4
42	MP3A	Mx	.001	4
43	MP3B	X	-3.696	2
44	MP3B	Z	-2.134	2
45	MP3B	Mx	.001	2
46	MP3B	X	-3.696	4
47	MP3B	Z	-2.134	4
48	MP3B	Mx	.001	4
49	MP3C	X	-1.61	2
50	MP3C	Z	-.929	2
51	MP3C	Mx	-.000915	2
52	MP3C	X	-1.61	4
53	MP3C	Z	-.929	4
54	MP3C	Mx	-.000915	4
55	M117	X	-5.863	1
56	M117	Z	-3.385	1
57	M117	Mx	.003	1
58	MP2A	X	-2.633	2
59	MP2A	Z	-1.52	2
60	MP2A	Mx	-.001	2
61	MP2B	X	-3.208	2
62	MP2B	Z	-1.852	2
63	MP2B	Mx	-.000926	2
64	MP2C	X	-2.38	2
65	MP2C	Z	-1.374	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP2C	Mx	.001	2
67	MP1A	X	-2.312	2
68	MP1A	Z	-1.335	2
69	MP1A	Mx	-.001	2
70	MP1B	X	-3.101	2
71	MP1B	Z	-1.79	2
72	MP1B	Mx	-.000895	2
73	MP1C	X	-1.965	2
74	MP1C	Z	-1.134	2
75	MP1C	Mx	.001	2
76	MP4A	X	-3.621	2
77	MP4A	Z	-2.091	2
78	MP4A	Mx	.002	2
79	MP4A	X	-3.621	4
80	MP4A	Z	-2.091	4
81	MP4A	Mx	.002	4
82	MP4B	X	-3.71	2
83	MP4B	Z	-2.142	2
84	MP4B	Mx	.001	2
85	MP4B	X	-3.71	4
86	MP4B	Z	-2.142	4
87	MP4B	Mx	.001	4
88	MP4C	X	-3.582	2
89	MP4C	Z	-2.068	2
90	MP4C	Mx	-.002	2
91	MP4C	X	-3.582	4
92	MP4C	Z	-2.068	4
93	MP4C	Mx	-.002	4
94	MP2A	X	-1.085	4.5
95	MP2A	Z	-.626	4.5
96	MP2A	Mx	-.001	4.5
97	MP2A	X	-1.085	5.5
98	MP2A	Z	-.626	5.5
99	MP2A	Mx	-.001	5.5
100	MP2B	X	-1.083	4.5
101	MP2B	Z	-.625	4.5
102	MP2B	Mx	-.000264	4.5
103	MP2B	X	-1.083	5.5
104	MP2B	Z	-.625	5.5
105	MP2B	Mx	-.000264	5.5
106	MP2A	X	-1.085	4.5
107	MP2A	Z	-.626	4.5
108	MP2A	Mx	-.000876	4.5
109	MP2A	X	-1.085	5.5
110	MP2A	Z	-.626	5.5
111	MP2A	Mx	-.000876	5.5
112	MP2B	X	-1.083	4.5
113	MP2B	Z	-.625	4.5
114	MP2B	Mx	-.000986	4.5
115	MP2B	X	-1.083	5.5
116	MP2B	Z	-.625	5.5
117	MP2B	Mx	-.000986	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	-2.886	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Z	-4.998	1
3	MP2A	Mx	-.003	1
4	MP2A	X	-2.886	5
5	MP2A	Z	-4.998	5
6	MP2A	Mx	-.003	5
7	MP2B	X	-2.498	1
8	MP2B	Z	-4.327	1
9	MP2B	Mx	.004	1
10	MP2B	X	-2.498	5
11	MP2B	Z	-4.327	5
12	MP2B	Mx	.004	5
13	MP2C	X	-2.395	1
14	MP2C	Z	-4.149	1
15	MP2C	Mx	-.000885	1
16	MP2C	X	-2.395	5
17	MP2C	Z	-4.149	5
18	MP2C	Mx	-.000885	5
19	MP2A	X	-2.886	1
20	MP2A	Z	-4.998	1
21	MP2A	Mx	.006	1
22	MP2A	X	-2.886	5
23	MP2A	Z	-4.998	5
24	MP2A	Mx	.006	5
25	MP2B	X	-2.498	1
26	MP2B	Z	-4.327	1
27	MP2B	Mx	8.2e-5	1
28	MP2B	X	-2.498	5
29	MP2B	Z	-4.327	5
30	MP2B	Mx	8.2e-5	5
31	MP2C	X	-2.395	1
32	MP2C	Z	-4.149	1
33	MP2C	Mx	-.004	1
34	MP2C	X	-2.395	5
35	MP2C	Z	-4.149	5
36	MP2C	Mx	-.004	5
37	MP3A	X	-2.134	2
38	MP3A	Z	-3.696	2
39	MP3A	Mx	.001	2
40	MP3A	X	-2.134	4
41	MP3A	Z	-3.696	4
42	MP3A	Mx	.001	4
43	MP3B	X	-1.297	2
44	MP3B	Z	-2.247	2
45	MP3B	Mx	.001	2
46	MP3B	X	-1.297	4
47	MP3B	Z	-2.247	4
48	MP3B	Mx	.001	4
49	MP3C	X	-1.075	2
50	MP3C	Z	-1.861	2
51	MP3C	Mx	-.001	2
52	MP3C	X	-1.075	4
53	MP3C	Z	-1.861	4
54	MP3C	Mx	-.001	4
55	M117	X	-3.88	1
56	M117	Z	-6.72	1
57	M117	Mx	.002	1
58	MP2A	X	-1.852	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP2A	Z	-3.208	2
60	MP2A	Mx	-.000926	2
61	MP2B	X	-1.52	2
62	MP2B	Z	-2.633	2
63	MP2B	Mx	-.001	2
64	MP2C	X	-1.432	2
65	MP2C	Z	-2.48	2
66	MP2C	Mx	.001	2
67	MP1A	X	-1.79	2
68	MP1A	Z	-3.101	2
69	MP1A	Mx	-.000895	2
70	MP1B	X	-1.335	2
71	MP1B	Z	-2.312	2
72	MP1B	Mx	-.001	2
73	MP1C	X	-1.213	2
74	MP1C	Z	-2.102	2
75	MP1C	Mx	.001	2
76	MP4A	X	-2.142	2
77	MP4A	Z	-3.71	2
78	MP4A	Mx	.001	2
79	MP4A	X	-2.142	4
80	MP4A	Z	-3.71	4
81	MP4A	Mx	.001	4
82	MP4B	X	-2.091	2
83	MP4B	Z	-3.621	2
84	MP4B	Mx	.002	2
85	MP4B	X	-2.091	4
86	MP4B	Z	-3.621	4
87	MP4B	Mx	.002	4
88	MP4C	X	-2.077	2
89	MP4C	Z	-3.597	2
90	MP4C	Mx	-.002	2
91	MP4C	X	-2.077	4
92	MP4C	Z	-3.597	4
93	MP4C	Mx	-.002	4
94	MP2A	X	-.625	4.5
95	MP2A	Z	-1.083	4.5
96	MP2A	Mx	-.000986	4.5
97	MP2A	X	-.625	5.5
98	MP2A	Z	-1.083	5.5
99	MP2A	Mx	-.000986	5.5
100	MP2B	X	-.626	4.5
101	MP2B	Z	-1.085	4.5
102	MP2B	Mx	-.000876	4.5
103	MP2B	X	-.626	5.5
104	MP2B	Z	-1.085	5.5
105	MP2B	Mx	-.000876	5.5
106	MP2A	X	-.625	4.5
107	MP2A	Z	-1.083	4.5
108	MP2A	Mx	-.000264	4.5
109	MP2A	X	-.625	5.5
110	MP2A	Z	-1.083	5.5
111	MP2A	Mx	-.000264	5.5
112	MP2B	X	-.626	4.5
113	MP2B	Z	-1.085	4.5
114	MP2B	Mx	-.001	4.5
115	MP2B	X	-.626	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
116	MP2B	Z	-1.085	5.5
117	MP2B	Mx	-.001	5.5

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%12

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-500	%32

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M1	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Y	-1.011	1
2	MP2A	My	-.000505	1
3	MP2A	Mz	.000842	1
4	MP2A	Y	-1.011	5
5	MP2A	My	-.000505	5
6	MP2A	Mz	.000842	5
7	MP2B	Y	-1.011	1
8	MP2B	My	-.000842	1
9	MP2B	Mz	-.000505	1
10	MP2B	Y	-1.011	5
11	MP2B	My	-.000842	5
12	MP2B	Mz	-.000505	5
13	MP2C	Y	-1.011	1
14	MP2C	My	.000929	1
15	MP2C	Mz	-.00032	1
16	MP2C	Y	-1.011	5
17	MP2C	My	.000929	5
18	MP2C	Mz	-.00032	5
19	MP2A	Y	-1.011	1
20	MP2A	My	-.000505	1
21	MP2A	Mz	-.000842	1
22	MP2A	Y	-1.011	5
23	MP2A	My	-.000505	5
24	MP2A	Mz	-.000842	5
25	MP2B	Y	-1.011	1
26	MP2B	My	.000842	1
27	MP2B	Mz	-.000505	1
28	MP2B	Y	-1.011	5
29	MP2B	My	.000842	5
30	MP2B	Mz	-.000505	5
31	MP2C	Y	-1.011	1
32	MP2C	My	-.000154	1
33	MP2C	Mz	.00097	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP2C	Y	-1.011	5
35	MP2C	My	-.000154	5
36	MP2C	Mz	.00097	5
37	MP3A	Y	-1.914	2
38	MP3A	My	-.000957	2
39	MP3A	Mz	0	2
40	MP3A	Y	-1.914	4
41	MP3A	My	-.000957	4
42	MP3A	Mz	0	4
43	MP3B	Y	-1.914	2
44	MP3B	My	0	2
45	MP3B	Mz	-.000957	2
46	MP3B	Y	-1.914	4
47	MP3B	My	0	4
48	MP3B	Mz	-.000957	4
49	MP3C	Y	-1.914	2
50	MP3C	My	.000733	2
51	MP3C	Mz	.000615	2
52	MP3C	Y	-1.914	4
53	MP3C	My	.000733	4
54	MP3C	Mz	.000615	4
55	M117	Y	-1.406	1
56	M117	My	-.000703	1
57	M117	Mz	0	1
58	MP2A	Y	-3.709	2
59	MP2A	My	.002	2
60	MP2A	Mz	0	2
61	MP2B	Y	-3.709	2
62	MP2B	My	0	2
63	MP2B	Mz	.002	2
64	MP2C	Y	-3.709	2
65	MP2C	My	-.001	2
66	MP2C	Mz	-.001	2
67	MP1A	Y	-3.089	2
68	MP1A	My	.002	2
69	MP1A	Mz	0	2
70	MP1B	Y	-3.089	2
71	MP1B	My	0	2
72	MP1B	Mz	.002	2
73	MP1C	Y	-3.089	2
74	MP1C	My	-.001	2
75	MP1C	Mz	-.000993	2
76	MP4A	Y	-.33	2
77	MP4A	My	-.000165	2
78	MP4A	Mz	0	2
79	MP4A	Y	-.33	4
80	MP4A	My	-.000165	4
81	MP4A	Mz	0	4
82	MP4B	Y	-.33	2
83	MP4B	My	0	2
84	MP4B	Mz	-.000165	2
85	MP4B	Y	-.33	4
86	MP4B	My	0	4
87	MP4B	Mz	-.000165	4
88	MP4C	Y	-.33	2
89	MP4C	My	.000126	2
90	MP4C	Mz	.000106	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	MP4C	Y	-.33	4
92	MP4C	My	.000126	4
93	MP4C	Mz	.000106	4
94	MP2A	Y	-.387	4.5
95	MP2A	My	.000387	4.5
96	MP2A	Mz	.000129	4.5
97	MP2A	Y	-.387	5.5
98	MP2A	My	.000387	5.5
99	MP2A	Mz	.000129	5.5
100	MP2B	Y	-.387	4.5
101	MP2B	My	-.000129	4.5
102	MP2B	Mz	.000387	4.5
103	MP2B	Y	-.387	5.5
104	MP2B	My	-.000129	5.5
105	MP2B	Mz	.000387	5.5
106	MP2A	Y	-.387	4.5
107	MP2A	My	.000387	4.5
108	MP2A	Mz	-.000129	4.5
109	MP2A	Y	-.387	5.5
110	MP2A	My	.000387	5.5
111	MP2A	Mz	-.000129	5.5
112	MP2B	Y	-.387	4.5
113	MP2B	My	.000129	4.5
114	MP2B	Mz	.000387	4.5
115	MP2B	Y	-.387	5.5
116	MP2B	My	.000129	5.5
117	MP2B	Mz	.000387	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	Z	-2.527	1
2	MP2A	Mx	-.002	1
3	MP2A	Z	-2.527	5
4	MP2A	Mx	-.002	5
5	MP2B	Z	-2.527	1
6	MP2B	Mx	.001	1
7	MP2B	Z	-2.527	5
8	MP2B	Mx	.001	5
9	MP2C	Z	-2.527	1
10	MP2C	Mx	.000801	1
11	MP2C	Z	-2.527	5
12	MP2C	Mx	.000801	5
13	MP2A	Z	-2.527	1
14	MP2A	Mx	.002	1
15	MP2A	Z	-2.527	5
16	MP2A	Mx	.002	5
17	MP2B	Z	-2.527	1
18	MP2B	Mx	.001	1
19	MP2B	Z	-2.527	5
20	MP2B	Mx	.001	5
21	MP2C	Z	-2.527	1
22	MP2C	Mx	-.002	1
23	MP2C	Z	-2.527	5
24	MP2C	Mx	-.002	5
25	MP3A	Z	-4.785	2
26	MP3A	Mx	0	2

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3A	Z	-4.785	4
28	MP3A	Mx	0	4
29	MP3B	Z	-4.785	2
30	MP3B	Mx	.002	2
31	MP3B	Z	-4.785	4
32	MP3B	Mx	.002	4
33	MP3C	Z	-4.785	2
34	MP3C	Mx	-.002	2
35	MP3C	Z	-4.785	4
36	MP3C	Mx	-.002	4
37	M117	Z	-3.516	1
38	M117	Mx	0	1
39	MP2A	Z	-9.273	2
40	MP2A	Mx	0	2
41	MP2B	Z	-9.273	2
42	MP2B	Mx	-.005	2
43	MP2C	Z	-9.273	2
44	MP2C	Mx	.003	2
45	MP1A	Z	-7.724	2
46	MP1A	Mx	0	2
47	MP1B	Z	-7.724	2
48	MP1B	Mx	-.004	2
49	MP1C	Z	-7.724	2
50	MP1C	Mx	.002	2
51	MP4A	Z	-.824	2
52	MP4A	Mx	0	2
53	MP4A	Z	-.824	4
54	MP4A	Mx	0	4
55	MP4B	Z	-.824	2
56	MP4B	Mx	.000412	2
57	MP4B	Z	-.824	4
58	MP4B	Mx	.000412	4
59	MP4C	Z	-.824	2
60	MP4C	Mx	-.000265	2
61	MP4C	Z	-.824	4
62	MP4C	Mx	-.000265	4
63	MP2A	Z	-.967	4.5
64	MP2A	Mx	-.000322	4.5
65	MP2A	Z	-.967	5.5
66	MP2A	Mx	-.000322	5.5
67	MP2B	Z	-.967	4.5
68	MP2B	Mx	-.000967	4.5
69	MP2B	Z	-.967	5.5
70	MP2B	Mx	-.000967	5.5
71	MP2A	Z	-.967	4.5
72	MP2A	Mx	.000322	4.5
73	MP2A	Z	-.967	5.5
74	MP2A	Mx	.000322	5.5
75	MP2B	Z	-.967	4.5
76	MP2B	Mx	-.000967	4.5
77	MP2B	Z	-.967	5.5
78	MP2B	Mx	-.000967	5.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP2A	X	2.527	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP2A	Mx	-.001	1
3	MP2A	X	2.527	5
4	MP2A	Mx	-.001	5
5	MP2B	X	2.527	1
6	MP2B	Mx	-.002	1
7	MP2B	X	2.527	5
8	MP2B	Mx	-.002	5
9	MP2C	X	2.527	1
10	MP2C	Mx	.002	1
11	MP2C	X	2.527	5
12	MP2C	Mx	.002	5
13	MP2A	X	2.527	1
14	MP2A	Mx	-.001	1
15	MP2A	X	2.527	5
16	MP2A	Mx	-.001	5
17	MP2B	X	2.527	1
18	MP2B	Mx	.002	1
19	MP2B	X	2.527	5
20	MP2B	Mx	.002	5
21	MP2C	X	2.527	1
22	MP2C	Mx	-.000386	1
23	MP2C	X	2.527	5
24	MP2C	Mx	-.000386	5
25	MP3A	X	4.785	2
26	MP3A	Mx	-.002	2
27	MP3A	X	4.785	4
28	MP3A	Mx	-.002	4
29	MP3B	X	4.785	2
30	MP3B	Mx	0	2
31	MP3B	X	4.785	4
32	MP3B	Mx	0	4
33	MP3C	X	4.785	2
34	MP3C	Mx	.002	2
35	MP3C	X	4.785	4
36	MP3C	Mx	.002	4
37	M117	X	3.516	1
38	M117	Mx	-.002	1
39	MP2A	X	9.273	2
40	MP2A	Mx	.005	2
41	MP2B	X	9.273	2
42	MP2B	Mx	0	2
43	MP2C	X	9.273	2
44	MP2C	Mx	-.004	2
45	MP1A	X	7.724	2
46	MP1A	Mx	.004	2
47	MP1B	X	7.724	2
48	MP1B	Mx	0	2
49	MP1C	X	7.724	2
50	MP1C	Mx	-.003	2
51	MP4A	X	.824	2
52	MP4A	Mx	-.000412	2
53	MP4A	X	.824	4
54	MP4A	Mx	-.000412	4
55	MP4B	X	.824	2
56	MP4B	Mx	0	2
57	MP4B	X	.824	4
58	MP4B	Mx	0	4

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP4C	X	.824	2
60	MP4C	Mx	.000316	2
61	MP4C	X	.824	4
62	MP4C	Mx	.000316	4
63	MP2A	X	.967	4.5
64	MP2A	Mx	.000967	4.5
65	MP2A	X	.967	5.5
66	MP2A	Mx	.000967	5.5
67	MP2B	X	.967	4.5
68	MP2B	Mx	-.000322	4.5
69	MP2B	X	.967	5.5
70	MP2B	Mx	-.000322	5.5
71	MP2A	X	.967	4.5
72	MP2A	Mx	.000967	4.5
73	MP2A	X	.967	5.5
74	MP2A	Mx	.000967	5.5
75	MP2B	X	.967	4.5
76	MP2B	Mx	.000322	4.5
77	MP2B	X	.967	5.5
78	MP2B	Mx	.000322	5.5

Joint Loads and Enforced Displacements

Joint Label	L,D,M	Direction	Magnitude[(lb,k-ft), (in,rad), (lb*s^2/...
No Data to Print ...			

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	M1	Y	-6.551	-6.551	0	%100
2	M4	Y	-9.588	-9.588	0	%100
3	M10	Y	-9.588	-9.588	0	%100
4	MP2A	Y	-5.671	-5.671	0	%100
5	MP3A	Y	-4.967	-4.967	0	%100
6	MP1A	Y	-4.967	-4.967	0	%100
7	M43	Y	-9.588	-9.588	0	%100
8	M46	Y	-10.101	-10.101	0	%100
9	M51B	Y	-5.606	-5.606	0	%100
10	M52B	Y	-5.606	-5.606	0	%100
11	M76	Y	-10.088	-10.088	0	%100
12	M77	Y	-10.088	-10.088	0	%100
13	M80	Y	-10.101	-10.101	0	%100
14	M84	Y	-10.088	-10.088	0	%100
15	M85	Y	-10.088	-10.088	0	%100
16	M91	Y	-10.101	-10.101	0	%100
17	M52A	Y	-9.588	-9.588	0	%100
18	M53	Y	-9.588	-9.588	0	%100
19	M54	Y	-9.588	-9.588	0	%100
20	M55	Y	-10.101	-10.101	0	%100
21	M58A	Y	-5.606	-5.606	0	%100
22	M59A	Y	-5.606	-5.606	0	%100
23	M63	Y	-10.088	-10.088	0	%100
24	M64	Y	-10.088	-10.088	0	%100
25	M66	Y	-10.101	-10.101	0	%100
26	M68	Y	-10.088	-10.088	0	%100
27	M69	Y	-10.088	-10.088	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,%]
28	M71	Y	-10.101	-10.101	0	%100
29	M76A	Y	-9.588	-9.588	0	%100
30	M77A	Y	-9.588	-9.588	0	%100
31	M78	Y	-9.588	-9.588	0	%100
32	M79A	Y	-10.101	-10.101	0	%100
33	M82	Y	-5.606	-5.606	0	%100
34	M83A	Y	-5.606	-5.606	0	%100
35	M87	Y	-10.088	-10.088	0	%100
36	M88A	Y	-10.088	-10.088	0	%100
37	M90	Y	-10.101	-10.101	0	%100
38	M92A	Y	-10.088	-10.088	0	%100
39	M93	Y	-10.088	-10.088	0	%100
40	M95	Y	-10.101	-10.101	0	%100
41	M82A	Y	-6.551	-6.551	0	%100
42	M91B	Y	-6.551	-6.551	0	%100
43	M117	Y	-4.967	-4.967	0	%100
44	MP4A	Y	-4.967	-4.967	0	%100
45	MP2C	Y	-5.671	-5.671	0	%100
46	MP3C	Y	-4.967	-4.967	0	%100
47	MP1C	Y	-4.967	-4.967	0	%100
48	MP4C	Y	-4.967	-4.967	0	%100
49	MP2B	Y	-5.671	-5.671	0	%100
50	MP3B	Y	-4.967	-4.967	0	%100
51	MP1B	Y	-4.967	-4.967	0	%100
52	MP4B	Y	-4.967	-4.967	0	%100
53	M102A	Y	-5.671	-5.671	0	%100
54	M106	Y	-5.671	-5.671	0	%100
55	M107	Y	-5.671	-5.671	0	%100
56	M123	Y	-7.597	-7.597	0	%100
57	M121	Y	-7.597	-7.597	0	%100
58	M124	Y	-7.597	-7.597	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	M1	X	0	0	0	%100
2	M1	Z	-14.133	-14.133	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-12.533	-12.533	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-11.979	-11.979	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-9.895	-9.895	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-9.895	-9.895	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	-12.533	-12.533	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-24.999	-24.999	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	-3.47	-3.47	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	-3.47	-3.47	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
23	M77	X	0	0	0	%100
24	M77	Z	-6.365	-6.365	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-6.705	-6.705	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-6.365	-6.365	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-6.705	-6.705	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	-11.109	-11.109	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-3.133	-3.133	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-3.133	-3.133	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-6.25	-6.25	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-3.47	-3.47	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-13.881	-13.881	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-18.749	-18.749	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-6.365	-6.365	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-6.705	-6.705	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-18.749	-18.749	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-25.462	-25.462	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-26.818	-26.818	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	-11.109	-11.109	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-3.133	-3.133	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-3.133	-3.133	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-6.25	-6.25	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-13.881	-13.881	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-3.47	-3.47	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-18.749	-18.749	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-25.462	-25.462	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-26.818	-26.818	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-18.749	-18.749	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-6.365	-6.365	0	%100
79	M95	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
80	M95	Z	-6.705	-6.705	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-3.533	-3.533	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-3.533	-3.533	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	-8.092	-8.092	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-9.895	-9.895	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-11.979	-11.979	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-9.895	-9.895	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-9.895	-9.895	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-9.895	-9.895	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-11.979	-11.979	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-9.895	-9.895	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-9.895	-9.895	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-9.895	-9.895	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	-11.979	-11.979	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-2.995	-2.995	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-2.995	-2.995	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-4.021	-4.021	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-4.021	-4.021	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	-16.086	-16.086	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	M1	X	5.3	5.3	0	%100
2	M1	Z	-9.18	-9.18	0	%100
3	M4	X	1.851	1.851	0	%100
4	M4	Z	-3.207	-3.207	0	%100
5	M10	X	4.7	4.7	0	%100
6	M10	Z	-8.141	-8.141	0	%100
7	MP2A	X	5.989	5.989	0	%100
8	MP2A	Z	-10.374	-10.374	0	%100
9	MP3A	X	4.948	4.948	0	%100
10	MP3A	Z	-8.57	-8.57	0	%100
11	MP1A	X	4.948	4.948	0	%100
12	MP1A	Z	-8.57	-8.57	0	%100
13	M43	X	4.7	4.7	0	%100
14	M43	Z	-8.141	-8.141	0	%100
15	M46	X	9.375	9.375	0	%100
16	M46	Z	-16.237	-16.237	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,%]
17	M51B	X	5.206	5.206	0	%100
18	M51B	Z	-9.016	-9.016	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	3.125	3.125	0	%100
22	M76	Z	-5.412	-5.412	0	%100
23	M77	X	9.548	9.548	0	%100
24	M77	Z	-16.538	-16.538	0	%100
25	M80	X	10.057	10.057	0	%100
26	M80	Z	-17.419	-17.419	0	%100
27	M84	X	3.125	3.125	0	%100
28	M84	Z	-5.412	-5.412	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	1.851	1.851	0	%100
34	M52A	Z	-3.207	-3.207	0	%100
35	M53	X	4.7	4.7	0	%100
36	M53	Z	-8.141	-8.141	0	%100
37	M54	X	4.7	4.7	0	%100
38	M54	Z	-8.141	-8.141	0	%100
39	M55	X	9.375	9.375	0	%100
40	M55	Z	-16.237	-16.237	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	5.206	5.206	0	%100
44	M59A	Z	-9.016	-9.016	0	%100
45	M63	X	3.125	3.125	0	%100
46	M63	Z	-5.412	-5.412	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	3.125	3.125	0	%100
52	M68	Z	-5.412	-5.412	0	%100
53	M69	X	9.548	9.548	0	%100
54	M69	Z	-16.538	-16.538	0	%100
55	M71	X	10.057	10.057	0	%100
56	M71	Z	-17.419	-17.419	0	%100
57	M76A	X	7.406	7.406	0	%100
58	M76A	Z	-12.827	-12.827	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	5.206	5.206	0	%100
66	M82	Z	-9.016	-9.016	0	%100
67	M83A	X	5.206	5.206	0	%100
68	M83A	Z	-9.016	-9.016	0	%100
69	M87	X	12.499	12.499	0	%100
70	M87	Z	-21.65	-21.65	0	%100
71	M88A	X	9.548	9.548	0	%100
72	M88A	Z	-16.538	-16.538	0	%100
73	M90	X	10.057	10.057	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,%]
74	M90	Z	-17.419	-17.419	0	%100
75	M92A	X	12.499	12.499	0	%100
76	M92A	Z	-21.65	-21.65	0	%100
77	M93	X	9.548	9.548	0	%100
78	M93	Z	-16.538	-16.538	0	%100
79	M95	X	10.057	10.057	0	%100
80	M95	Z	-17.419	-17.419	0	%100
81	M82A	X	5.3	5.3	0	%100
82	M82A	Z	-9.18	-9.18	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	4.046	4.046	0	%100
86	M117	Z	-7.008	-7.008	0	%100
87	MP4A	X	4.948	4.948	0	%100
88	MP4A	Z	-8.57	-8.57	0	%100
89	MP2C	X	5.989	5.989	0	%100
90	MP2C	Z	-10.374	-10.374	0	%100
91	MP3C	X	4.948	4.948	0	%100
92	MP3C	Z	-8.57	-8.57	0	%100
93	MP1C	X	4.948	4.948	0	%100
94	MP1C	Z	-8.57	-8.57	0	%100
95	MP4C	X	4.948	4.948	0	%100
96	MP4C	Z	-8.57	-8.57	0	%100
97	MP2B	X	5.989	5.989	0	%100
98	MP2B	Z	-10.374	-10.374	0	%100
99	MP3B	X	4.948	4.948	0	%100
100	MP3B	Z	-8.57	-8.57	0	%100
101	MP1B	X	4.948	4.948	0	%100
102	MP1B	Z	-8.57	-8.57	0	%100
103	MP4B	X	4.948	4.948	0	%100
104	MP4B	Z	-8.57	-8.57	0	%100
105	M102A	X	4.492	4.492	0	%100
106	M102A	Z	-7.78	-7.78	0	%100
107	M106	X	4.492	4.492	0	%100
108	M106	Z	-7.78	-7.78	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	6.032	6.032	0	%100
112	M123	Z	-10.448	-10.448	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	6.032	6.032	0	%100
116	M124	Z	-10.448	-10.448	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	M1	X	3.06	3.06	0	%100
2	M1	Z	-1.767	-1.767	0	%100
3	M4	X	9.621	9.621	0	%100
4	M4	Z	-5.554	-5.554	0	%100
5	M10	X	2.714	2.714	0	%100
6	M10	Z	-1.567	-1.567	0	%100
7	MP2A	X	10.374	10.374	0	%100
8	MP2A	Z	-5.989	-5.989	0	%100
9	MP3A	X	8.57	8.57	0	%100
10	MP3A	Z	-4.948	-4.948	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
11	MP1A	X	8.57	8.57	0	%100
12	MP1A	Z	-4.948	-4.948	0	%100
13	M43	X	2.714	2.714	0	%100
14	M43	Z	-1.567	-1.567	0	%100
15	M46	X	5.412	5.412	0	%100
16	M46	Z	-3.125	-3.125	0	%100
17	M51B	X	12.022	12.022	0	%100
18	M51B	Z	-6.941	-6.941	0	%100
19	M52B	X	3.005	3.005	0	%100
20	M52B	Z	-1.735	-1.735	0	%100
21	M76	X	16.237	16.237	0	%100
22	M76	Z	-9.375	-9.375	0	%100
23	M77	X	22.051	22.051	0	%100
24	M77	Z	-12.731	-12.731	0	%100
25	M80	X	23.225	23.225	0	%100
26	M80	Z	-13.409	-13.409	0	%100
27	M84	X	16.237	16.237	0	%100
28	M84	Z	-9.375	-9.375	0	%100
29	M85	X	5.513	5.513	0	%100
30	M85	Z	-3.183	-3.183	0	%100
31	M91	X	5.806	5.806	0	%100
32	M91	Z	-3.352	-3.352	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	10.854	10.854	0	%100
36	M53	Z	-6.267	-6.267	0	%100
37	M54	X	10.854	10.854	0	%100
38	M54	Z	-6.267	-6.267	0	%100
39	M55	X	21.65	21.65	0	%100
40	M55	Z	-12.499	-12.499	0	%100
41	M58A	X	3.005	3.005	0	%100
42	M58A	Z	-1.735	-1.735	0	%100
43	M59A	X	3.005	3.005	0	%100
44	M59A	Z	-1.735	-1.735	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	5.513	5.513	0	%100
48	M64	Z	-3.183	-3.183	0	%100
49	M66	X	5.806	5.806	0	%100
50	M66	Z	-3.352	-3.352	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	5.513	5.513	0	%100
54	M69	Z	-3.183	-3.183	0	%100
55	M71	X	5.806	5.806	0	%100
56	M71	Z	-3.352	-3.352	0	%100
57	M76A	X	9.621	9.621	0	%100
58	M76A	Z	-5.554	-5.554	0	%100
59	M77A	X	2.714	2.714	0	%100
60	M77A	Z	-1.567	-1.567	0	%100
61	M78	X	2.714	2.714	0	%100
62	M78	Z	-1.567	-1.567	0	%100
63	M79A	X	5.412	5.412	0	%100
64	M79A	Z	-3.125	-3.125	0	%100
65	M82	X	3.005	3.005	0	%100
66	M82	Z	-1.735	-1.735	0	%100
67	M83A	X	12.022	12.022	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
68	M83A	Z	-6.941	-6.941	0	%100
69	M87	X	16.237	16.237	0	%100
70	M87	Z	-9.375	-9.375	0	%100
71	M88A	X	5.513	5.513	0	%100
72	M88A	Z	-3.183	-3.183	0	%100
73	M90	X	5.806	5.806	0	%100
74	M90	Z	-3.352	-3.352	0	%100
75	M92A	X	16.237	16.237	0	%100
76	M92A	Z	-9.375	-9.375	0	%100
77	M93	X	22.051	22.051	0	%100
78	M93	Z	-12.731	-12.731	0	%100
79	M95	X	23.225	23.225	0	%100
80	M95	Z	-13.409	-13.409	0	%100
81	M82A	X	12.24	12.24	0	%100
82	M82A	Z	-7.066	-7.066	0	%100
83	M91B	X	3.06	3.06	0	%100
84	M91B	Z	-1.767	-1.767	0	%100
85	M117	X	7.008	7.008	0	%100
86	M117	Z	-4.046	-4.046	0	%100
87	MP4A	X	8.57	8.57	0	%100
88	MP4A	Z	-4.948	-4.948	0	%100
89	MP2C	X	10.374	10.374	0	%100
90	MP2C	Z	-5.989	-5.989	0	%100
91	MP3C	X	8.57	8.57	0	%100
92	MP3C	Z	-4.948	-4.948	0	%100
93	MP1C	X	8.57	8.57	0	%100
94	MP1C	Z	-4.948	-4.948	0	%100
95	MP4C	X	8.57	8.57	0	%100
96	MP4C	Z	-4.948	-4.948	0	%100
97	MP2B	X	10.374	10.374	0	%100
98	MP2B	Z	-5.989	-5.989	0	%100
99	MP3B	X	8.57	8.57	0	%100
100	MP3B	Z	-4.948	-4.948	0	%100
101	MP1B	X	8.57	8.57	0	%100
102	MP1B	Z	-4.948	-4.948	0	%100
103	MP4B	X	8.57	8.57	0	%100
104	MP4B	Z	-4.948	-4.948	0	%100
105	M102A	X	2.593	2.593	0	%100
106	M102A	Z	-1.497	-1.497	0	%100
107	M106	X	10.374	10.374	0	%100
108	M106	Z	-5.989	-5.989	0	%100
109	M107	X	2.593	2.593	0	%100
110	M107	Z	-1.497	-1.497	0	%100
111	M123	X	13.931	13.931	0	%100
112	M123	Z	-8.043	-8.043	0	%100
113	M121	X	3.483	3.483	0	%100
114	M121	Z	-2.011	-2.011	0	%100
115	M124	X	3.483	3.483	0	%100
116	M124	Z	-2.011	-2.011	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	14.812	14.812	0	%100
4	M4	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,%]
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	11.979	11.979	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	9.895	9.895	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	9.895	9.895	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	10.411	10.411	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	10.411	10.411	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	24.999	24.999	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	19.096	19.096	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	20.114	20.114	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	24.999	24.999	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	19.096	19.096	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	20.114	20.114	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	3.703	3.703	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	9.4	9.4	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	9.4	9.4	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	18.749	18.749	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	10.411	10.411	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	6.25	6.25	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	19.096	19.096	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	20.114	20.114	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	6.25	6.25	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	3.703	3.703	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	9.4	9.4	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	9.4	9.4	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,%]
62	M78	Z	0	0	0	%100
63	M79A	X	18.749	18.749	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	10.411	10.411	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	6.25	6.25	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	6.25	6.25	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	19.096	19.096	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	20.114	20.114	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	10.6	10.6	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	10.6	10.6	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	8.092	8.092	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	9.895	9.895	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	11.979	11.979	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	9.895	9.895	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	9.895	9.895	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	9.895	9.895	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	11.979	11.979	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	9.895	9.895	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	9.895	9.895	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	9.895	9.895	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	8.984	8.984	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	8.984	8.984	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	12.064	12.064	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	12.064	12.064	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	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	M1	X	3.06	3.06	0	%100
2	M1	Z	1.767	1.767	0	%100
3	M4	X	9.621	9.621	0	%100
4	M4	Z	5.554	5.554	0	%100
5	M10	X	2.714	2.714	0	%100
6	M10	Z	1.567	1.567	0	%100
7	MP2A	X	10.374	10.374	0	%100
8	MP2A	Z	5.989	5.989	0	%100
9	MP3A	X	8.57	8.57	0	%100
10	MP3A	Z	4.948	4.948	0	%100
11	MP1A	X	8.57	8.57	0	%100
12	MP1A	Z	4.948	4.948	0	%100
13	M43	X	2.714	2.714	0	%100
14	M43	Z	1.567	1.567	0	%100
15	M46	X	5.412	5.412	0	%100
16	M46	Z	3.125	3.125	0	%100
17	M51B	X	3.005	3.005	0	%100
18	M51B	Z	1.735	1.735	0	%100
19	M52B	X	12.022	12.022	0	%100
20	M52B	Z	6.941	6.941	0	%100
21	M76	X	16.237	16.237	0	%100
22	M76	Z	9.375	9.375	0	%100
23	M77	X	5.513	5.513	0	%100
24	M77	Z	3.183	3.183	0	%100
25	M80	X	5.806	5.806	0	%100
26	M80	Z	3.352	3.352	0	%100
27	M84	X	16.237	16.237	0	%100
28	M84	Z	9.375	9.375	0	%100
29	M85	X	22.051	22.051	0	%100
30	M85	Z	12.731	12.731	0	%100
31	M91	X	23.225	23.225	0	%100
32	M91	Z	13.409	13.409	0	%100
33	M52A	X	9.621	9.621	0	%100
34	M52A	Z	5.554	5.554	0	%100
35	M53	X	2.714	2.714	0	%100
36	M53	Z	1.567	1.567	0	%100
37	M54	X	2.714	2.714	0	%100
38	M54	Z	1.567	1.567	0	%100
39	M55	X	5.412	5.412	0	%100
40	M55	Z	3.125	3.125	0	%100
41	M58A	X	12.022	12.022	0	%100
42	M58A	Z	6.941	6.941	0	%100
43	M59A	X	3.005	3.005	0	%100
44	M59A	Z	1.735	1.735	0	%100
45	M63	X	16.237	16.237	0	%100
46	M63	Z	9.375	9.375	0	%100
47	M64	X	22.051	22.051	0	%100
48	M64	Z	12.731	12.731	0	%100
49	M66	X	23.225	23.225	0	%100
50	M66	Z	13.409	13.409	0	%100
51	M68	X	16.237	16.237	0	%100
52	M68	Z	9.375	9.375	0	%100
53	M69	X	5.513	5.513	0	%100
54	M69	Z	3.183	3.183	0	%100
55	M71	X	5.806	5.806	0	%100
56	M71	Z	3.352	3.352	0	%100
57	M76A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	0	0	0	%100
59	M77A	X	10.854	10.854	0	%100
60	M77A	Z	6.267	6.267	0	%100
61	M78	X	10.854	10.854	0	%100
62	M78	Z	6.267	6.267	0	%100
63	M79A	X	21.65	21.65	0	%100
64	M79A	Z	12.499	12.499	0	%100
65	M82	X	3.005	3.005	0	%100
66	M82	Z	1.735	1.735	0	%100
67	M83A	X	3.005	3.005	0	%100
68	M83A	Z	1.735	1.735	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	5.513	5.513	0	%100
72	M88A	Z	3.183	3.183	0	%100
73	M90	X	5.806	5.806	0	%100
74	M90	Z	3.352	3.352	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	5.513	5.513	0	%100
78	M93	Z	3.183	3.183	0	%100
79	M95	X	5.806	5.806	0	%100
80	M95	Z	3.352	3.352	0	%100
81	M82A	X	3.06	3.06	0	%100
82	M82A	Z	1.767	1.767	0	%100
83	M91B	X	12.24	12.24	0	%100
84	M91B	Z	7.066	7.066	0	%100
85	M117	X	7.008	7.008	0	%100
86	M117	Z	4.046	4.046	0	%100
87	MP4A	X	8.57	8.57	0	%100
88	MP4A	Z	4.948	4.948	0	%100
89	MP2C	X	10.374	10.374	0	%100
90	MP2C	Z	5.989	5.989	0	%100
91	MP3C	X	8.57	8.57	0	%100
92	MP3C	Z	4.948	4.948	0	%100
93	MP1C	X	8.57	8.57	0	%100
94	MP1C	Z	4.948	4.948	0	%100
95	MP4C	X	8.57	8.57	0	%100
96	MP4C	Z	4.948	4.948	0	%100
97	MP2B	X	10.374	10.374	0	%100
98	MP2B	Z	5.989	5.989	0	%100
99	MP3B	X	8.57	8.57	0	%100
100	MP3B	Z	4.948	4.948	0	%100
101	MP1B	X	8.57	8.57	0	%100
102	MP1B	Z	4.948	4.948	0	%100
103	MP4B	X	8.57	8.57	0	%100
104	MP4B	Z	4.948	4.948	0	%100
105	M102A	X	2.593	2.593	0	%100
106	M102A	Z	1.497	1.497	0	%100
107	M106	X	2.593	2.593	0	%100
108	M106	Z	1.497	1.497	0	%100
109	M107	X	10.374	10.374	0	%100
110	M107	Z	5.989	5.989	0	%100
111	M123	X	3.483	3.483	0	%100
112	M123	Z	2.011	2.011	0	%100
113	M121	X	13.931	13.931	0	%100
114	M121	Z	8.043	8.043	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M124	X	3.483	3.483	0	%100
116	M124	Z	2.011	2.011	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	M1	X	5.3	5.3	0	%100
2	M1	Z	9.18	9.18	0	%100
3	M4	X	1.851	1.851	0	%100
4	M4	Z	3.207	3.207	0	%100
5	M10	X	4.7	4.7	0	%100
6	M10	Z	8.141	8.141	0	%100
7	MP2A	X	5.989	5.989	0	%100
8	MP2A	Z	10.374	10.374	0	%100
9	MP3A	X	4.948	4.948	0	%100
10	MP3A	Z	8.57	8.57	0	%100
11	MP1A	X	4.948	4.948	0	%100
12	MP1A	Z	8.57	8.57	0	%100
13	M43	X	4.7	4.7	0	%100
14	M43	Z	8.141	8.141	0	%100
15	M46	X	9.375	9.375	0	%100
16	M46	Z	16.237	16.237	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	5.206	5.206	0	%100
20	M52B	Z	9.016	9.016	0	%100
21	M76	X	3.125	3.125	0	%100
22	M76	Z	5.412	5.412	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	3.125	3.125	0	%100
28	M84	Z	5.412	5.412	0	%100
29	M85	X	9.548	9.548	0	%100
30	M85	Z	16.538	16.538	0	%100
31	M91	X	10.057	10.057	0	%100
32	M91	Z	17.419	17.419	0	%100
33	M52A	X	7.406	7.406	0	%100
34	M52A	Z	12.827	12.827	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	5.206	5.206	0	%100
42	M58A	Z	9.016	9.016	0	%100
43	M59A	X	5.206	5.206	0	%100
44	M59A	Z	9.016	9.016	0	%100
45	M63	X	12.499	12.499	0	%100
46	M63	Z	21.65	21.65	0	%100
47	M64	X	9.548	9.548	0	%100
48	M64	Z	16.538	16.538	0	%100
49	M66	X	10.057	10.057	0	%100
50	M66	Z	17.419	17.419	0	%100
51	M68	X	12.499	12.499	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,%]
52	M68	Z	21.65	21.65	0	%100
53	M69	X	9.548	9.548	0	%100
54	M69	Z	16.538	16.538	0	%100
55	M71	X	10.057	10.057	0	%100
56	M71	Z	17.419	17.419	0	%100
57	M76A	X	1.851	1.851	0	%100
58	M76A	Z	3.207	3.207	0	%100
59	M77A	X	4.7	4.7	0	%100
60	M77A	Z	8.141	8.141	0	%100
61	M78	X	4.7	4.7	0	%100
62	M78	Z	8.141	8.141	0	%100
63	M79A	X	9.375	9.375	0	%100
64	M79A	Z	16.237	16.237	0	%100
65	M82	X	5.206	5.206	0	%100
66	M82	Z	9.016	9.016	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	3.125	3.125	0	%100
70	M87	Z	5.412	5.412	0	%100
71	M88A	X	9.548	9.548	0	%100
72	M88A	Z	16.538	16.538	0	%100
73	M90	X	10.057	10.057	0	%100
74	M90	Z	17.419	17.419	0	%100
75	M92A	X	3.125	3.125	0	%100
76	M92A	Z	5.412	5.412	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	5.3	5.3	0	%100
84	M91B	Z	9.18	9.18	0	%100
85	M117	X	4.046	4.046	0	%100
86	M117	Z	7.008	7.008	0	%100
87	MP4A	X	4.948	4.948	0	%100
88	MP4A	Z	8.57	8.57	0	%100
89	MP2C	X	5.989	5.989	0	%100
90	MP2C	Z	10.374	10.374	0	%100
91	MP3C	X	4.948	4.948	0	%100
92	MP3C	Z	8.57	8.57	0	%100
93	MP1C	X	4.948	4.948	0	%100
94	MP1C	Z	8.57	8.57	0	%100
95	MP4C	X	4.948	4.948	0	%100
96	MP4C	Z	8.57	8.57	0	%100
97	MP2B	X	5.989	5.989	0	%100
98	MP2B	Z	10.374	10.374	0	%100
99	MP3B	X	4.948	4.948	0	%100
100	MP3B	Z	8.57	8.57	0	%100
101	MP1B	X	4.948	4.948	0	%100
102	MP1B	Z	8.57	8.57	0	%100
103	MP4B	X	4.948	4.948	0	%100
104	MP4B	Z	8.57	8.57	0	%100
105	M102A	X	4.492	4.492	0	%100
106	M102A	Z	7.78	7.78	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	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,%]
109	M107	X	4.492	4.492	0	%100
110	M107	Z	7.78	7.78	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	6.032	6.032	0	%100
114	M121	Z	10.448	10.448	0	%100
115	M124	X	6.032	6.032	0	%100
116	M124	Z	10.448	10.448	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	M1	X	0	0	0	%100
2	M1	Z	14.133	14.133	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	12.533	12.533	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	11.979	11.979	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	9.895	9.895	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	9.895	9.895	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	12.533	12.533	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	24.999	24.999	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	3.47	3.47	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	3.47	3.47	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	6.365	6.365	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	6.705	6.705	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	6.365	6.365	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	6.705	6.705	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	11.109	11.109	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	3.133	3.133	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	3.133	3.133	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	6.25	6.25	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	3.47	3.47	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	13.881	13.881	0	%100
45	M63	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M63	Z	18.749	18.749	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	6.365	6.365	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	6.705	6.705	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	18.749	18.749	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	25.462	25.462	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	26.818	26.818	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	11.109	11.109	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	3.133	3.133	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	3.133	3.133	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	6.25	6.25	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	13.881	13.881	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	3.47	3.47	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	18.749	18.749	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	25.462	25.462	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	26.818	26.818	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	18.749	18.749	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	6.365	6.365	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	6.705	6.705	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	3.533	3.533	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	3.533	3.533	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	8.092	8.092	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	9.895	9.895	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	11.979	11.979	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	9.895	9.895	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	9.895	9.895	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	9.895	9.895	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	11.979	11.979	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	9.895	9.895	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	9.895	9.895	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP4B	X	0	0	0	%100
104	MP4B	Z	9.895	9.895	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	11.979	11.979	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	2.995	2.995	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	2.995	2.995	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	4.021	4.021	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	4.021	4.021	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	16.086	16.086	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	M1	X	-5.3	-5.3	0	%100
2	M1	Z	9.18	9.18	0	%100
3	M4	X	-1.851	-1.851	0	%100
4	M4	Z	3.207	3.207	0	%100
5	M10	X	-4.7	-4.7	0	%100
6	M10	Z	8.141	8.141	0	%100
7	MP2A	X	-5.989	-5.989	0	%100
8	MP2A	Z	10.374	10.374	0	%100
9	MP3A	X	-4.948	-4.948	0	%100
10	MP3A	Z	8.57	8.57	0	%100
11	MP1A	X	-4.948	-4.948	0	%100
12	MP1A	Z	8.57	8.57	0	%100
13	M43	X	-4.7	-4.7	0	%100
14	M43	Z	8.141	8.141	0	%100
15	M46	X	-9.375	-9.375	0	%100
16	M46	Z	16.237	16.237	0	%100
17	M51B	X	-5.206	-5.206	0	%100
18	M51B	Z	9.016	9.016	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-3.125	-3.125	0	%100
22	M76	Z	5.412	5.412	0	%100
23	M77	X	-9.548	-9.548	0	%100
24	M77	Z	16.538	16.538	0	%100
25	M80	X	-10.057	-10.057	0	%100
26	M80	Z	17.419	17.419	0	%100
27	M84	X	-3.125	-3.125	0	%100
28	M84	Z	5.412	5.412	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-1.851	-1.851	0	%100
34	M52A	Z	3.207	3.207	0	%100
35	M53	X	-4.7	-4.7	0	%100
36	M53	Z	8.141	8.141	0	%100
37	M54	X	-4.7	-4.7	0	%100
38	M54	Z	8.141	8.141	0	%100
39	M55	X	-9.375	-9.375	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,%]
40	M55	Z	16.237	16.237	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-5.206	-5.206	0	%100
44	M59A	Z	9.016	9.016	0	%100
45	M63	X	-3.125	-3.125	0	%100
46	M63	Z	5.412	5.412	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-3.125	-3.125	0	%100
52	M68	Z	5.412	5.412	0	%100
53	M69	X	-9.548	-9.548	0	%100
54	M69	Z	16.538	16.538	0	%100
55	M71	X	-10.057	-10.057	0	%100
56	M71	Z	17.419	17.419	0	%100
57	M76A	X	-7.406	-7.406	0	%100
58	M76A	Z	12.827	12.827	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-5.206	-5.206	0	%100
66	M82	Z	9.016	9.016	0	%100
67	M83A	X	-5.206	-5.206	0	%100
68	M83A	Z	9.016	9.016	0	%100
69	M87	X	-12.499	-12.499	0	%100
70	M87	Z	21.65	21.65	0	%100
71	M88A	X	-9.548	-9.548	0	%100
72	M88A	Z	16.538	16.538	0	%100
73	M90	X	-10.057	-10.057	0	%100
74	M90	Z	17.419	17.419	0	%100
75	M92A	X	-12.499	-12.499	0	%100
76	M92A	Z	21.65	21.65	0	%100
77	M93	X	-9.548	-9.548	0	%100
78	M93	Z	16.538	16.538	0	%100
79	M95	X	-10.057	-10.057	0	%100
80	M95	Z	17.419	17.419	0	%100
81	M82A	X	-5.3	-5.3	0	%100
82	M82A	Z	9.18	9.18	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	-4.046	-4.046	0	%100
86	M117	Z	7.008	7.008	0	%100
87	MP4A	X	-4.948	-4.948	0	%100
88	MP4A	Z	8.57	8.57	0	%100
89	MP2C	X	-5.989	-5.989	0	%100
90	MP2C	Z	10.374	10.374	0	%100
91	MP3C	X	-4.948	-4.948	0	%100
92	MP3C	Z	8.57	8.57	0	%100
93	MP1C	X	-4.948	-4.948	0	%100
94	MP1C	Z	8.57	8.57	0	%100
95	MP4C	X	-4.948	-4.948	0	%100
96	MP4C	Z	8.57	8.57	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,%]
97	MP2B	X	-5.989	-5.989	0	%100
98	MP2B	Z	10.374	10.374	0	%100
99	MP3B	X	-4.948	-4.948	0	%100
100	MP3B	Z	8.57	8.57	0	%100
101	MP1B	X	-4.948	-4.948	0	%100
102	MP1B	Z	8.57	8.57	0	%100
103	MP4B	X	-4.948	-4.948	0	%100
104	MP4B	Z	8.57	8.57	0	%100
105	M102A	X	-4.492	-4.492	0	%100
106	M102A	Z	7.78	7.78	0	%100
107	M106	X	-4.492	-4.492	0	%100
108	M106	Z	7.78	7.78	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-6.032	-6.032	0	%100
112	M123	Z	10.448	10.448	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	-6.032	-6.032	0	%100
116	M124	Z	10.448	10.448	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	M1	X	-3.06	-3.06	0	%100
2	M1	Z	1.767	1.767	0	%100
3	M4	X	-9.621	-9.621	0	%100
4	M4	Z	5.554	5.554	0	%100
5	M10	X	-2.714	-2.714	0	%100
6	M10	Z	1.567	1.567	0	%100
7	MP2A	X	-10.374	-10.374	0	%100
8	MP2A	Z	5.989	5.989	0	%100
9	MP3A	X	-8.57	-8.57	0	%100
10	MP3A	Z	4.948	4.948	0	%100
11	MP1A	X	-8.57	-8.57	0	%100
12	MP1A	Z	4.948	4.948	0	%100
13	M43	X	-2.714	-2.714	0	%100
14	M43	Z	1.567	1.567	0	%100
15	M46	X	-5.412	-5.412	0	%100
16	M46	Z	3.125	3.125	0	%100
17	M51B	X	-12.022	-12.022	0	%100
18	M51B	Z	6.941	6.941	0	%100
19	M52B	X	-3.005	-3.005	0	%100
20	M52B	Z	1.735	1.735	0	%100
21	M76	X	-16.237	-16.237	0	%100
22	M76	Z	9.375	9.375	0	%100
23	M77	X	-22.051	-22.051	0	%100
24	M77	Z	12.731	12.731	0	%100
25	M80	X	-23.225	-23.225	0	%100
26	M80	Z	13.409	13.409	0	%100
27	M84	X	-16.237	-16.237	0	%100
28	M84	Z	9.375	9.375	0	%100
29	M85	X	-5.513	-5.513	0	%100
30	M85	Z	3.183	3.183	0	%100
31	M91	X	-5.806	-5.806	0	%100
32	M91	Z	3.352	3.352	0	%100
33	M52A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M52A	Z	0	0	0	%100
35	M53	X	-10.854	-10.854	0	%100
36	M53	Z	6.267	6.267	0	%100
37	M54	X	-10.854	-10.854	0	%100
38	M54	Z	6.267	6.267	0	%100
39	M55	X	-21.65	-21.65	0	%100
40	M55	Z	12.499	12.499	0	%100
41	M58A	X	-3.005	-3.005	0	%100
42	M58A	Z	1.735	1.735	0	%100
43	M59A	X	-3.005	-3.005	0	%100
44	M59A	Z	1.735	1.735	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-5.513	-5.513	0	%100
48	M64	Z	3.183	3.183	0	%100
49	M66	X	-5.806	-5.806	0	%100
50	M66	Z	3.352	3.352	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-5.513	-5.513	0	%100
54	M69	Z	3.183	3.183	0	%100
55	M71	X	-5.806	-5.806	0	%100
56	M71	Z	3.352	3.352	0	%100
57	M76A	X	-9.621	-9.621	0	%100
58	M76A	Z	5.554	5.554	0	%100
59	M77A	X	-2.714	-2.714	0	%100
60	M77A	Z	1.567	1.567	0	%100
61	M78	X	-2.714	-2.714	0	%100
62	M78	Z	1.567	1.567	0	%100
63	M79A	X	-5.412	-5.412	0	%100
64	M79A	Z	3.125	3.125	0	%100
65	M82	X	-3.005	-3.005	0	%100
66	M82	Z	1.735	1.735	0	%100
67	M83A	X	-12.022	-12.022	0	%100
68	M83A	Z	6.941	6.941	0	%100
69	M87	X	-16.237	-16.237	0	%100
70	M87	Z	9.375	9.375	0	%100
71	M88A	X	-5.513	-5.513	0	%100
72	M88A	Z	3.183	3.183	0	%100
73	M90	X	-5.806	-5.806	0	%100
74	M90	Z	3.352	3.352	0	%100
75	M92A	X	-16.237	-16.237	0	%100
76	M92A	Z	9.375	9.375	0	%100
77	M93	X	-22.051	-22.051	0	%100
78	M93	Z	12.731	12.731	0	%100
79	M95	X	-23.225	-23.225	0	%100
80	M95	Z	13.409	13.409	0	%100
81	M82A	X	-12.24	-12.24	0	%100
82	M82A	Z	7.066	7.066	0	%100
83	M91B	X	-3.06	-3.06	0	%100
84	M91B	Z	1.767	1.767	0	%100
85	M117	X	-7.008	-7.008	0	%100
86	M117	Z	4.046	4.046	0	%100
87	MP4A	X	-8.57	-8.57	0	%100
88	MP4A	Z	4.948	4.948	0	%100
89	MP2C	X	-10.374	-10.374	0	%100
90	MP2C	Z	5.989	5.989	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP3C	X	-8.57	-8.57	0	%100
92	MP3C	Z	4.948	4.948	0	%100
93	MP1C	X	-8.57	-8.57	0	%100
94	MP1C	Z	4.948	4.948	0	%100
95	MP4C	X	-8.57	-8.57	0	%100
96	MP4C	Z	4.948	4.948	0	%100
97	MP2B	X	-10.374	-10.374	0	%100
98	MP2B	Z	5.989	5.989	0	%100
99	MP3B	X	-8.57	-8.57	0	%100
100	MP3B	Z	4.948	4.948	0	%100
101	MP1B	X	-8.57	-8.57	0	%100
102	MP1B	Z	4.948	4.948	0	%100
103	MP4B	X	-8.57	-8.57	0	%100
104	MP4B	Z	4.948	4.948	0	%100
105	M102A	X	-2.593	-2.593	0	%100
106	M102A	Z	1.497	1.497	0	%100
107	M106	X	-10.374	-10.374	0	%100
108	M106	Z	5.989	5.989	0	%100
109	M107	X	-2.593	-2.593	0	%100
110	M107	Z	1.497	1.497	0	%100
111	M123	X	-13.931	-13.931	0	%100
112	M123	Z	8.043	8.043	0	%100
113	M121	X	-3.483	-3.483	0	%100
114	M121	Z	2.011	2.011	0	%100
115	M124	X	-3.483	-3.483	0	%100
116	M124	Z	2.011	2.011	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-14.812	-14.812	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	-11.979	-11.979	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	-9.895	-9.895	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-9.895	-9.895	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	-10.411	-10.411	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-10.411	-10.411	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-24.999	-24.999	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-19.096	-19.096	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	-20.114	-20.114	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-24.999	-24.999	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,%]
28	M84	Z	0	0	0	%100
29	M85	X	-19.096	-19.096	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-20.114	-20.114	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-3.703	-3.703	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-9.4	-9.4	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-9.4	-9.4	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-18.749	-18.749	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-10.411	-10.411	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-6.25	-6.25	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-19.096	-19.096	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-20.114	-20.114	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-6.25	-6.25	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-3.703	-3.703	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-9.4	-9.4	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	-9.4	-9.4	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-18.749	-18.749	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-10.411	-10.411	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-6.25	-6.25	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-6.25	-6.25	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-19.096	-19.096	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	-20.114	-20.114	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	-10.6	-10.6	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-10.6	-10.6	0	%100
84	M91B	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,%]
85	M117	X	-8.092	-8.092	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	-9.895	-9.895	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	-11.979	-11.979	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-9.895	-9.895	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	-9.895	-9.895	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-9.895	-9.895	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	-11.979	-11.979	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-9.895	-9.895	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	-9.895	-9.895	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	-9.895	-9.895	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	-8.984	-8.984	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-8.984	-8.984	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-12.064	-12.064	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	-12.064	-12.064	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	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	M1	X	-3.06	-3.06	0	%100
2	M1	Z	-1.767	-1.767	0	%100
3	M4	X	-9.621	-9.621	0	%100
4	M4	Z	-5.554	-5.554	0	%100
5	M10	X	-2.714	-2.714	0	%100
6	M10	Z	-1.567	-1.567	0	%100
7	MP2A	X	-10.374	-10.374	0	%100
8	MP2A	Z	-5.989	-5.989	0	%100
9	MP3A	X	-8.57	-8.57	0	%100
10	MP3A	Z	-4.948	-4.948	0	%100
11	MP1A	X	-8.57	-8.57	0	%100
12	MP1A	Z	-4.948	-4.948	0	%100
13	M43	X	-2.714	-2.714	0	%100
14	M43	Z	-1.567	-1.567	0	%100
15	M46	X	-5.412	-5.412	0	%100
16	M46	Z	-3.125	-3.125	0	%100
17	M51B	X	-3.005	-3.005	0	%100
18	M51B	Z	-1.735	-1.735	0	%100
19	M52B	X	-12.022	-12.022	0	%100
20	M52B	Z	-6.941	-6.941	0	%100
21	M76	X	-16.237	-16.237	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M76	Z	-9.375	-9.375	0	%100
23	M77	X	-5.513	-5.513	0	%100
24	M77	Z	-3.183	-3.183	0	%100
25	M80	X	-5.806	-5.806	0	%100
26	M80	Z	-3.352	-3.352	0	%100
27	M84	X	-16.237	-16.237	0	%100
28	M84	Z	-9.375	-9.375	0	%100
29	M85	X	-22.051	-22.051	0	%100
30	M85	Z	-12.731	-12.731	0	%100
31	M91	X	-23.225	-23.225	0	%100
32	M91	Z	-13.409	-13.409	0	%100
33	M52A	X	-9.621	-9.621	0	%100
34	M52A	Z	-5.554	-5.554	0	%100
35	M53	X	-2.714	-2.714	0	%100
36	M53	Z	-1.567	-1.567	0	%100
37	M54	X	-2.714	-2.714	0	%100
38	M54	Z	-1.567	-1.567	0	%100
39	M55	X	-5.412	-5.412	0	%100
40	M55	Z	-3.125	-3.125	0	%100
41	M58A	X	-12.022	-12.022	0	%100
42	M58A	Z	-6.941	-6.941	0	%100
43	M59A	X	-3.005	-3.005	0	%100
44	M59A	Z	-1.735	-1.735	0	%100
45	M63	X	-16.237	-16.237	0	%100
46	M63	Z	-9.375	-9.375	0	%100
47	M64	X	-22.051	-22.051	0	%100
48	M64	Z	-12.731	-12.731	0	%100
49	M66	X	-23.225	-23.225	0	%100
50	M66	Z	-13.409	-13.409	0	%100
51	M68	X	-16.237	-16.237	0	%100
52	M68	Z	-9.375	-9.375	0	%100
53	M69	X	-5.513	-5.513	0	%100
54	M69	Z	-3.183	-3.183	0	%100
55	M71	X	-5.806	-5.806	0	%100
56	M71	Z	-3.352	-3.352	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-10.854	-10.854	0	%100
60	M77A	Z	-6.267	-6.267	0	%100
61	M78	X	-10.854	-10.854	0	%100
62	M78	Z	-6.267	-6.267	0	%100
63	M79A	X	-21.65	-21.65	0	%100
64	M79A	Z	-12.499	-12.499	0	%100
65	M82	X	-3.005	-3.005	0	%100
66	M82	Z	-1.735	-1.735	0	%100
67	M83A	X	-3.005	-3.005	0	%100
68	M83A	Z	-1.735	-1.735	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-5.513	-5.513	0	%100
72	M88A	Z	-3.183	-3.183	0	%100
73	M90	X	-5.806	-5.806	0	%100
74	M90	Z	-3.352	-3.352	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-5.513	-5.513	0	%100
78	M93	Z	-3.183	-3.183	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M95	X	-5.806	-5.806	0	%100
80	M95	Z	-3.352	-3.352	0	%100
81	M82A	X	-3.06	-3.06	0	%100
82	M82A	Z	-1.767	-1.767	0	%100
83	M91B	X	-12.24	-12.24	0	%100
84	M91B	Z	-7.066	-7.066	0	%100
85	M117	X	-7.008	-7.008	0	%100
86	M117	Z	-4.046	-4.046	0	%100
87	MP4A	X	-8.57	-8.57	0	%100
88	MP4A	Z	-4.948	-4.948	0	%100
89	MP2C	X	-10.374	-10.374	0	%100
90	MP2C	Z	-5.989	-5.989	0	%100
91	MP3C	X	-8.57	-8.57	0	%100
92	MP3C	Z	-4.948	-4.948	0	%100
93	MP1C	X	-8.57	-8.57	0	%100
94	MP1C	Z	-4.948	-4.948	0	%100
95	MP4C	X	-8.57	-8.57	0	%100
96	MP4C	Z	-4.948	-4.948	0	%100
97	MP2B	X	-10.374	-10.374	0	%100
98	MP2B	Z	-5.989	-5.989	0	%100
99	MP3B	X	-8.57	-8.57	0	%100
100	MP3B	Z	-4.948	-4.948	0	%100
101	MP1B	X	-8.57	-8.57	0	%100
102	MP1B	Z	-4.948	-4.948	0	%100
103	MP4B	X	-8.57	-8.57	0	%100
104	MP4B	Z	-4.948	-4.948	0	%100
105	M102A	X	-2.593	-2.593	0	%100
106	M102A	Z	-1.497	-1.497	0	%100
107	M106	X	-2.593	-2.593	0	%100
108	M106	Z	-1.497	-1.497	0	%100
109	M107	X	-10.374	-10.374	0	%100
110	M107	Z	-5.989	-5.989	0	%100
111	M123	X	-3.483	-3.483	0	%100
112	M123	Z	-2.011	-2.011	0	%100
113	M121	X	-13.931	-13.931	0	%100
114	M121	Z	-8.043	-8.043	0	%100
115	M124	X	-3.483	-3.483	0	%100
116	M124	Z	-2.011	-2.011	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	M1	X	-5.3	-5.3	0	%100
2	M1	Z	-9.18	-9.18	0	%100
3	M4	X	-1.851	-1.851	0	%100
4	M4	Z	-3.207	-3.207	0	%100
5	M10	X	-4.7	-4.7	0	%100
6	M10	Z	-8.141	-8.141	0	%100
7	MP2A	X	-5.989	-5.989	0	%100
8	MP2A	Z	-10.374	-10.374	0	%100
9	MP3A	X	-4.948	-4.948	0	%100
10	MP3A	Z	-8.57	-8.57	0	%100
11	MP1A	X	-4.948	-4.948	0	%100
12	MP1A	Z	-8.57	-8.57	0	%100
13	M43	X	-4.7	-4.7	0	%100
14	M43	Z	-8.141	-8.141	0	%100
15	M46	X	-9.375	-9.375	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,%]
16	M46	Z	-16.237	-16.237	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-5.206	-5.206	0	%100
20	M52B	Z	-9.016	-9.016	0	%100
21	M76	X	-3.125	-3.125	0	%100
22	M76	Z	-5.412	-5.412	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-3.125	-3.125	0	%100
28	M84	Z	-5.412	-5.412	0	%100
29	M85	X	-9.548	-9.548	0	%100
30	M85	Z	-16.538	-16.538	0	%100
31	M91	X	-10.057	-10.057	0	%100
32	M91	Z	-17.419	-17.419	0	%100
33	M52A	X	-7.406	-7.406	0	%100
34	M52A	Z	-12.827	-12.827	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-5.206	-5.206	0	%100
42	M58A	Z	-9.016	-9.016	0	%100
43	M59A	X	-5.206	-5.206	0	%100
44	M59A	Z	-9.016	-9.016	0	%100
45	M63	X	-12.499	-12.499	0	%100
46	M63	Z	-21.65	-21.65	0	%100
47	M64	X	-9.548	-9.548	0	%100
48	M64	Z	-16.538	-16.538	0	%100
49	M66	X	-10.057	-10.057	0	%100
50	M66	Z	-17.419	-17.419	0	%100
51	M68	X	-12.499	-12.499	0	%100
52	M68	Z	-21.65	-21.65	0	%100
53	M69	X	-9.548	-9.548	0	%100
54	M69	Z	-16.538	-16.538	0	%100
55	M71	X	-10.057	-10.057	0	%100
56	M71	Z	-17.419	-17.419	0	%100
57	M76A	X	-1.851	-1.851	0	%100
58	M76A	Z	-3.207	-3.207	0	%100
59	M77A	X	-4.7	-4.7	0	%100
60	M77A	Z	-8.141	-8.141	0	%100
61	M78	X	-4.7	-4.7	0	%100
62	M78	Z	-8.141	-8.141	0	%100
63	M79A	X	-9.375	-9.375	0	%100
64	M79A	Z	-16.237	-16.237	0	%100
65	M82	X	-5.206	-5.206	0	%100
66	M82	Z	-9.016	-9.016	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-3.125	-3.125	0	%100
70	M87	Z	-5.412	-5.412	0	%100
71	M88A	X	-9.548	-9.548	0	%100
72	M88A	Z	-16.538	-16.538	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,%]
73	M90	X	-10.057	-10.057	0	%100
74	M90	Z	-17.419	-17.419	0	%100
75	M92A	X	-3.125	-3.125	0	%100
76	M92A	Z	-5.412	-5.412	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-5.3	-5.3	0	%100
84	M91B	Z	-9.18	-9.18	0	%100
85	M117	X	-4.046	-4.046	0	%100
86	M117	Z	-7.008	-7.008	0	%100
87	MP4A	X	-4.948	-4.948	0	%100
88	MP4A	Z	-8.57	-8.57	0	%100
89	MP2C	X	-5.989	-5.989	0	%100
90	MP2C	Z	-10.374	-10.374	0	%100
91	MP3C	X	-4.948	-4.948	0	%100
92	MP3C	Z	-8.57	-8.57	0	%100
93	MP1C	X	-4.948	-4.948	0	%100
94	MP1C	Z	-8.57	-8.57	0	%100
95	MP4C	X	-4.948	-4.948	0	%100
96	MP4C	Z	-8.57	-8.57	0	%100
97	MP2B	X	-5.989	-5.989	0	%100
98	MP2B	Z	-10.374	-10.374	0	%100
99	MP3B	X	-4.948	-4.948	0	%100
100	MP3B	Z	-8.57	-8.57	0	%100
101	MP1B	X	-4.948	-4.948	0	%100
102	MP1B	Z	-8.57	-8.57	0	%100
103	MP4B	X	-4.948	-4.948	0	%100
104	MP4B	Z	-8.57	-8.57	0	%100
105	M102A	X	-4.492	-4.492	0	%100
106	M102A	Z	-7.78	-7.78	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-4.492	-4.492	0	%100
110	M107	Z	-7.78	-7.78	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	-6.032	-6.032	0	%100
114	M121	Z	-10.448	-10.448	0	%100
115	M124	X	-6.032	-6.032	0	%100
116	M124	Z	-10.448	-10.448	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	M1	X	0	0	0	%100
2	M1	Z	-4.199	-4.199	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-3.453	-3.453	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-3.747	-3.747	0	%100
9	MP3A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP3A	Z	-3.385	-3.385	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-3.385	-3.385	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	-3.453	-3.453	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-5.401	-5.401	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	-.994	-.994	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	-.994	-.994	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	-1.348	-1.348	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-1.407	-1.407	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-1.348	-1.348	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-1.407	-1.407	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	-3.179	-3.179	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-.863	-.863	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-.863	-.863	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-1.35	-1.35	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-.994	-.994	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-3.974	-3.974	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-3.985	-3.985	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-1.348	-1.348	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-1.407	-1.407	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-3.985	-3.985	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-5.393	-5.393	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-5.629	-5.629	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	-3.179	-3.179	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-.863	-.863	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-.863	-.863	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-1.35	-1.35	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-3.974	-3.974	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M83A	X	0	0	0	%100
68	M83A	Z	-.994	-.994	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-3.985	-3.985	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-5.393	-5.393	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-5.629	-5.629	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-3.985	-3.985	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-1.348	-1.348	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-1.407	-1.407	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-1.05	-1.05	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-1.05	-1.05	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	-2.783	-2.783	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-3.385	-3.385	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-3.747	-3.747	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-3.385	-3.385	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-3.385	-3.385	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-3.385	-3.385	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.747	-3.747	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-3.385	-3.385	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-3.385	-3.385	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-3.385	-3.385	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	-3.747	-3.747	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-.937	-.937	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-.937	-.937	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-1.036	-1.036	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-1.036	-1.036	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	-4.143	-4.143	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	M1	X	1.575	1.575	0	%100
2	M1	Z	-2.727	-2.727	0	%100
3	M4	X	.53	.53	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,%]
4	M4	Z	-.918	-.918	0	%100
5	M10	X	1.295	1.295	0	%100
6	M10	Z	-2.243	-2.243	0	%100
7	MP2A	X	1.874	1.874	0	%100
8	MP2A	Z	-3.245	-3.245	0	%100
9	MP3A	X	1.693	1.693	0	%100
10	MP3A	Z	-2.932	-2.932	0	%100
11	MP1A	X	1.693	1.693	0	%100
12	MP1A	Z	-2.932	-2.932	0	%100
13	M43	X	1.295	1.295	0	%100
14	M43	Z	-2.243	-2.243	0	%100
15	M46	X	2.025	2.025	0	%100
16	M46	Z	-3.508	-3.508	0	%100
17	M51B	X	1.49	1.49	0	%100
18	M51B	Z	-2.581	-2.581	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.664	.664	0	%100
22	M76	Z	-1.15	-1.15	0	%100
23	M77	X	2.022	2.022	0	%100
24	M77	Z	-3.503	-3.503	0	%100
25	M80	X	2.111	2.111	0	%100
26	M80	Z	-3.656	-3.656	0	%100
27	M84	X	.664	.664	0	%100
28	M84	Z	-1.15	-1.15	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.53	.53	0	%100
34	M52A	Z	-.918	-.918	0	%100
35	M53	X	1.295	1.295	0	%100
36	M53	Z	-2.243	-2.243	0	%100
37	M54	X	1.295	1.295	0	%100
38	M54	Z	-2.243	-2.243	0	%100
39	M55	X	2.025	2.025	0	%100
40	M55	Z	-3.508	-3.508	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	1.49	1.49	0	%100
44	M59A	Z	-2.581	-2.581	0	%100
45	M63	X	.664	.664	0	%100
46	M63	Z	-1.15	-1.15	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.664	.664	0	%100
52	M68	Z	-1.15	-1.15	0	%100
53	M69	X	2.022	2.022	0	%100
54	M69	Z	-3.503	-3.503	0	%100
55	M71	X	2.111	2.111	0	%100
56	M71	Z	-3.656	-3.656	0	%100
57	M76A	X	2.119	2.119	0	%100
58	M76A	Z	-3.671	-3.671	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	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,%]
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	1.49	1.49	0	%100
66	M82	Z	-2.581	-2.581	0	%100
67	M83A	X	1.49	1.49	0	%100
68	M83A	Z	-2.581	-2.581	0	%100
69	M87	X	2.656	2.656	0	%100
70	M87	Z	-4.601	-4.601	0	%100
71	M88A	X	2.022	2.022	0	%100
72	M88A	Z	-3.503	-3.503	0	%100
73	M90	X	2.111	2.111	0	%100
74	M90	Z	-3.656	-3.656	0	%100
75	M92A	X	2.656	2.656	0	%100
76	M92A	Z	-4.601	-4.601	0	%100
77	M93	X	2.022	2.022	0	%100
78	M93	Z	-3.503	-3.503	0	%100
79	M95	X	2.111	2.111	0	%100
80	M95	Z	-3.656	-3.656	0	%100
81	M82A	X	1.575	1.575	0	%100
82	M82A	Z	-2.727	-2.727	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	1.391	1.391	0	%100
86	M117	Z	-2.41	-2.41	0	%100
87	MP4A	X	1.693	1.693	0	%100
88	MP4A	Z	-2.932	-2.932	0	%100
89	MP2C	X	1.874	1.874	0	%100
90	MP2C	Z	-3.245	-3.245	0	%100
91	MP3C	X	1.693	1.693	0	%100
92	MP3C	Z	-2.932	-2.932	0	%100
93	MP1C	X	1.693	1.693	0	%100
94	MP1C	Z	-2.932	-2.932	0	%100
95	MP4C	X	1.693	1.693	0	%100
96	MP4C	Z	-2.932	-2.932	0	%100
97	MP2B	X	1.874	1.874	0	%100
98	MP2B	Z	-3.245	-3.245	0	%100
99	MP3B	X	1.693	1.693	0	%100
100	MP3B	Z	-2.932	-2.932	0	%100
101	MP1B	X	1.693	1.693	0	%100
102	MP1B	Z	-2.932	-2.932	0	%100
103	MP4B	X	1.693	1.693	0	%100
104	MP4B	Z	-2.932	-2.932	0	%100
105	M102A	X	1.405	1.405	0	%100
106	M102A	Z	-2.434	-2.434	0	%100
107	M106	X	1.405	1.405	0	%100
108	M106	Z	-2.434	-2.434	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	1.554	1.554	0	%100
112	M123	Z	-2.691	-2.691	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	1.554	1.554	0	%100
116	M124	Z	-2.691	-2.691	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	M1	X	.909	.909	0	%100
2	M1	Z	-.525	-.525	0	%100
3	M4	X	2.753	2.753	0	%100
4	M4	Z	-1.59	-1.59	0	%100
5	M10	X	.748	.748	0	%100
6	M10	Z	-.432	-.432	0	%100
7	MP2A	X	3.245	3.245	0	%100
8	MP2A	Z	-1.874	-1.874	0	%100
9	MP3A	X	2.932	2.932	0	%100
10	MP3A	Z	-1.693	-1.693	0	%100
11	MP1A	X	2.932	2.932	0	%100
12	MP1A	Z	-1.693	-1.693	0	%100
13	M43	X	.748	.748	0	%100
14	M43	Z	-.432	-.432	0	%100
15	M46	X	1.169	1.169	0	%100
16	M46	Z	-.675	-.675	0	%100
17	M51B	X	3.442	3.442	0	%100
18	M51B	Z	-1.987	-1.987	0	%100
19	M52B	X	.86	.86	0	%100
20	M52B	Z	-.497	-.497	0	%100
21	M76	X	3.451	3.451	0	%100
22	M76	Z	-1.992	-1.992	0	%100
23	M77	X	4.671	4.671	0	%100
24	M77	Z	-2.697	-2.697	0	%100
25	M80	X	4.875	4.875	0	%100
26	M80	Z	-2.814	-2.814	0	%100
27	M84	X	3.451	3.451	0	%100
28	M84	Z	-1.992	-1.992	0	%100
29	M85	X	1.168	1.168	0	%100
30	M85	Z	-.674	-.674	0	%100
31	M91	X	1.219	1.219	0	%100
32	M91	Z	-.704	-.704	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	2.99	2.99	0	%100
36	M53	Z	-1.727	-1.727	0	%100
37	M54	X	2.99	2.99	0	%100
38	M54	Z	-1.727	-1.727	0	%100
39	M55	X	4.678	4.678	0	%100
40	M55	Z	-2.701	-2.701	0	%100
41	M58A	X	.86	.86	0	%100
42	M58A	Z	-.497	-.497	0	%100
43	M59A	X	.86	.86	0	%100
44	M59A	Z	-.497	-.497	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	1.168	1.168	0	%100
48	M64	Z	-.674	-.674	0	%100
49	M66	X	1.219	1.219	0	%100
50	M66	Z	-.704	-.704	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	1.168	1.168	0	%100
54	M69	Z	-.674	-.674	0	%100
55	M71	X	1.219	1.219	0	%100
56	M71	Z	-.704	-.704	0	%100
57	M76A	X	2.753	2.753	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	-1.59	-1.59	0	%100
59	M77A	X	.748	.748	0	%100
60	M77A	Z	-.432	-.432	0	%100
61	M78	X	.748	.748	0	%100
62	M78	Z	-.432	-.432	0	%100
63	M79A	X	1.169	1.169	0	%100
64	M79A	Z	-.675	-.675	0	%100
65	M82	X	.86	.86	0	%100
66	M82	Z	-.497	-.497	0	%100
67	M83A	X	3.442	3.442	0	%100
68	M83A	Z	-1.987	-1.987	0	%100
69	M87	X	3.451	3.451	0	%100
70	M87	Z	-1.992	-1.992	0	%100
71	M88A	X	1.168	1.168	0	%100
72	M88A	Z	-.674	-.674	0	%100
73	M90	X	1.219	1.219	0	%100
74	M90	Z	-.704	-.704	0	%100
75	M92A	X	3.451	3.451	0	%100
76	M92A	Z	-1.992	-1.992	0	%100
77	M93	X	4.671	4.671	0	%100
78	M93	Z	-2.697	-2.697	0	%100
79	M95	X	4.875	4.875	0	%100
80	M95	Z	-2.814	-2.814	0	%100
81	M82A	X	3.637	3.637	0	%100
82	M82A	Z	-2.1	-2.1	0	%100
83	M91B	X	.909	.909	0	%100
84	M91B	Z	-.525	-.525	0	%100
85	M117	X	2.41	2.41	0	%100
86	M117	Z	-1.391	-1.391	0	%100
87	MP4A	X	2.932	2.932	0	%100
88	MP4A	Z	-1.693	-1.693	0	%100
89	MP2C	X	3.245	3.245	0	%100
90	MP2C	Z	-1.874	-1.874	0	%100
91	MP3C	X	2.932	2.932	0	%100
92	MP3C	Z	-1.693	-1.693	0	%100
93	MP1C	X	2.932	2.932	0	%100
94	MP1C	Z	-1.693	-1.693	0	%100
95	MP4C	X	2.932	2.932	0	%100
96	MP4C	Z	-1.693	-1.693	0	%100
97	MP2B	X	3.245	3.245	0	%100
98	MP2B	Z	-1.874	-1.874	0	%100
99	MP3B	X	2.932	2.932	0	%100
100	MP3B	Z	-1.693	-1.693	0	%100
101	MP1B	X	2.932	2.932	0	%100
102	MP1B	Z	-1.693	-1.693	0	%100
103	MP4B	X	2.932	2.932	0	%100
104	MP4B	Z	-1.693	-1.693	0	%100
105	M102A	X	.811	.811	0	%100
106	M102A	Z	-.468	-.468	0	%100
107	M106	X	3.245	3.245	0	%100
108	M106	Z	-1.874	-1.874	0	%100
109	M107	X	.811	.811	0	%100
110	M107	Z	-.468	-.468	0	%100
111	M123	X	3.588	3.588	0	%100
112	M123	Z	-2.072	-2.072	0	%100
113	M121	X	.897	.897	0	%100
114	M121	Z	-.518	-.518	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M124	X	.897	.897	0	%100
116	M124	Z	-.518	-.518	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	4.239	4.239	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	3.747	3.747	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	3.385	3.385	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	3.385	3.385	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	2.981	2.981	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	2.981	2.981	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	5.313	5.313	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	4.045	4.045	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	4.221	4.221	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	5.313	5.313	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	4.045	4.045	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	4.221	4.221	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	1.06	1.06	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	2.59	2.59	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	2.59	2.59	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	4.051	4.051	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	2.981	2.981	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	1.328	1.328	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	4.045	4.045	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	4.221	4.221	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	1.328	1.328	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,%]
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	1.06	1.06	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	2.59	2.59	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	2.59	2.59	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	4.051	4.051	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	2.981	2.981	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	1.328	1.328	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	1.328	1.328	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	4.045	4.045	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	4.221	4.221	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	3.149	3.149	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	3.149	3.149	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	2.783	2.783	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	3.385	3.385	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	3.747	3.747	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	3.385	3.385	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	3.385	3.385	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	3.385	3.385	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	3.747	3.747	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	3.385	3.385	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	3.385	3.385	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	3.385	3.385	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	2.81	2.81	0	%100
108	M106	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,%]
109	M107	X	2.81	2.81	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	3.108	3.108	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	3.108	3.108	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	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	M1	X	.909	.909	0	%100
2	M1	Z	.525	.525	0	%100
3	M4	X	2.753	2.753	0	%100
4	M4	Z	1.59	1.59	0	%100
5	M10	X	.748	.748	0	%100
6	M10	Z	.432	.432	0	%100
7	MP2A	X	3.245	3.245	0	%100
8	MP2A	Z	1.874	1.874	0	%100
9	MP3A	X	2.932	2.932	0	%100
10	MP3A	Z	1.693	1.693	0	%100
11	MP1A	X	2.932	2.932	0	%100
12	MP1A	Z	1.693	1.693	0	%100
13	M43	X	.748	.748	0	%100
14	M43	Z	.432	.432	0	%100
15	M46	X	1.169	1.169	0	%100
16	M46	Z	.675	.675	0	%100
17	M51B	X	.86	.86	0	%100
18	M51B	Z	.497	.497	0	%100
19	M52B	X	3.442	3.442	0	%100
20	M52B	Z	1.987	1.987	0	%100
21	M76	X	3.451	3.451	0	%100
22	M76	Z	1.992	1.992	0	%100
23	M77	X	1.168	1.168	0	%100
24	M77	Z	.674	.674	0	%100
25	M80	X	1.219	1.219	0	%100
26	M80	Z	.704	.704	0	%100
27	M84	X	3.451	3.451	0	%100
28	M84	Z	1.992	1.992	0	%100
29	M85	X	4.671	4.671	0	%100
30	M85	Z	2.697	2.697	0	%100
31	M91	X	4.875	4.875	0	%100
32	M91	Z	2.814	2.814	0	%100
33	M52A	X	2.753	2.753	0	%100
34	M52A	Z	1.59	1.59	0	%100
35	M53	X	.748	.748	0	%100
36	M53	Z	.432	.432	0	%100
37	M54	X	.748	.748	0	%100
38	M54	Z	.432	.432	0	%100
39	M55	X	1.169	1.169	0	%100
40	M55	Z	.675	.675	0	%100
41	M58A	X	3.442	3.442	0	%100
42	M58A	Z	1.987	1.987	0	%100
43	M59A	X	.86	.86	0	%100
44	M59A	Z	.497	.497	0	%100
45	M63	X	3.451	3.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M63	Z	1.992	1.992	0	%100
47	M64	X	4.671	4.671	0	%100
48	M64	Z	2.697	2.697	0	%100
49	M66	X	4.875	4.875	0	%100
50	M66	Z	2.814	2.814	0	%100
51	M68	X	3.451	3.451	0	%100
52	M68	Z	1.992	1.992	0	%100
53	M69	X	1.168	1.168	0	%100
54	M69	Z	.674	.674	0	%100
55	M71	X	1.219	1.219	0	%100
56	M71	Z	.704	.704	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	2.99	2.99	0	%100
60	M77A	Z	1.727	1.727	0	%100
61	M78	X	2.99	2.99	0	%100
62	M78	Z	1.727	1.727	0	%100
63	M79A	X	4.678	4.678	0	%100
64	M79A	Z	2.701	2.701	0	%100
65	M82	X	.86	.86	0	%100
66	M82	Z	.497	.497	0	%100
67	M83A	X	.86	.86	0	%100
68	M83A	Z	.497	.497	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	1.168	1.168	0	%100
72	M88A	Z	.674	.674	0	%100
73	M90	X	1.219	1.219	0	%100
74	M90	Z	.704	.704	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	1.168	1.168	0	%100
78	M93	Z	.674	.674	0	%100
79	M95	X	1.219	1.219	0	%100
80	M95	Z	.704	.704	0	%100
81	M82A	X	.909	.909	0	%100
82	M82A	Z	.525	.525	0	%100
83	M91B	X	3.637	3.637	0	%100
84	M91B	Z	2.1	2.1	0	%100
85	M117	X	2.41	2.41	0	%100
86	M117	Z	1.391	1.391	0	%100
87	MP4A	X	2.932	2.932	0	%100
88	MP4A	Z	1.693	1.693	0	%100
89	MP2C	X	3.245	3.245	0	%100
90	MP2C	Z	1.874	1.874	0	%100
91	MP3C	X	2.932	2.932	0	%100
92	MP3C	Z	1.693	1.693	0	%100
93	MP1C	X	2.932	2.932	0	%100
94	MP1C	Z	1.693	1.693	0	%100
95	MP4C	X	2.932	2.932	0	%100
96	MP4C	Z	1.693	1.693	0	%100
97	MP2B	X	3.245	3.245	0	%100
98	MP2B	Z	1.874	1.874	0	%100
99	MP3B	X	2.932	2.932	0	%100
100	MP3B	Z	1.693	1.693	0	%100
101	MP1B	X	2.932	2.932	0	%100
102	MP1B	Z	1.693	1.693	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP4B	X	2.932	2.932	0	%100
104	MP4B	Z	1.693	1.693	0	%100
105	M102A	X	.811	.811	0	%100
106	M102A	Z	.468	.468	0	%100
107	M106	X	.811	.811	0	%100
108	M106	Z	.468	.468	0	%100
109	M107	X	3.245	3.245	0	%100
110	M107	Z	1.874	1.874	0	%100
111	M123	X	.897	.897	0	%100
112	M123	Z	.518	.518	0	%100
113	M121	X	3.588	3.588	0	%100
114	M121	Z	2.072	2.072	0	%100
115	M124	X	.897	.897	0	%100
116	M124	Z	.518	.518	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	M1	X	1.575	1.575	0	%100
2	M1	Z	2.727	2.727	0	%100
3	M4	X	.53	.53	0	%100
4	M4	Z	.918	.918	0	%100
5	M10	X	1.295	1.295	0	%100
6	M10	Z	2.243	2.243	0	%100
7	MP2A	X	1.874	1.874	0	%100
8	MP2A	Z	3.245	3.245	0	%100
9	MP3A	X	1.693	1.693	0	%100
10	MP3A	Z	2.932	2.932	0	%100
11	MP1A	X	1.693	1.693	0	%100
12	MP1A	Z	2.932	2.932	0	%100
13	M43	X	1.295	1.295	0	%100
14	M43	Z	2.243	2.243	0	%100
15	M46	X	2.025	2.025	0	%100
16	M46	Z	3.508	3.508	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	1.49	1.49	0	%100
20	M52B	Z	2.581	2.581	0	%100
21	M76	X	.664	.664	0	%100
22	M76	Z	1.15	1.15	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	.664	.664	0	%100
28	M84	Z	1.15	1.15	0	%100
29	M85	X	2.022	2.022	0	%100
30	M85	Z	3.503	3.503	0	%100
31	M91	X	2.111	2.111	0	%100
32	M91	Z	3.656	3.656	0	%100
33	M52A	X	2.119	2.119	0	%100
34	M52A	Z	3.671	3.671	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	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,%]
40	M55	Z	0	0	0	%100
41	M58A	X	1.49	1.49	0	%100
42	M58A	Z	2.581	2.581	0	%100
43	M59A	X	1.49	1.49	0	%100
44	M59A	Z	2.581	2.581	0	%100
45	M63	X	2.656	2.656	0	%100
46	M63	Z	4.601	4.601	0	%100
47	M64	X	2.022	2.022	0	%100
48	M64	Z	3.503	3.503	0	%100
49	M66	X	2.111	2.111	0	%100
50	M66	Z	3.656	3.656	0	%100
51	M68	X	2.656	2.656	0	%100
52	M68	Z	4.601	4.601	0	%100
53	M69	X	2.022	2.022	0	%100
54	M69	Z	3.503	3.503	0	%100
55	M71	X	2.111	2.111	0	%100
56	M71	Z	3.656	3.656	0	%100
57	M76A	X	.53	.53	0	%100
58	M76A	Z	.918	.918	0	%100
59	M77A	X	1.295	1.295	0	%100
60	M77A	Z	2.243	2.243	0	%100
61	M78	X	1.295	1.295	0	%100
62	M78	Z	2.243	2.243	0	%100
63	M79A	X	2.025	2.025	0	%100
64	M79A	Z	3.508	3.508	0	%100
65	M82	X	1.49	1.49	0	%100
66	M82	Z	2.581	2.581	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	.664	.664	0	%100
70	M87	Z	1.15	1.15	0	%100
71	M88A	X	2.022	2.022	0	%100
72	M88A	Z	3.503	3.503	0	%100
73	M90	X	2.111	2.111	0	%100
74	M90	Z	3.656	3.656	0	%100
75	M92A	X	.664	.664	0	%100
76	M92A	Z	1.15	1.15	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	1.575	1.575	0	%100
84	M91B	Z	2.727	2.727	0	%100
85	M117	X	1.391	1.391	0	%100
86	M117	Z	2.41	2.41	0	%100
87	MP4A	X	1.693	1.693	0	%100
88	MP4A	Z	2.932	2.932	0	%100
89	MP2C	X	1.874	1.874	0	%100
90	MP2C	Z	3.245	3.245	0	%100
91	MP3C	X	1.693	1.693	0	%100
92	MP3C	Z	2.932	2.932	0	%100
93	MP1C	X	1.693	1.693	0	%100
94	MP1C	Z	2.932	2.932	0	%100
95	MP4C	X	1.693	1.693	0	%100
96	MP4C	Z	2.932	2.932	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,%]
97	MP2B	X	1.874	1.874	0	%100
98	MP2B	Z	3.245	3.245	0	%100
99	MP3B	X	1.693	1.693	0	%100
100	MP3B	Z	2.932	2.932	0	%100
101	MP1B	X	1.693	1.693	0	%100
102	MP1B	Z	2.932	2.932	0	%100
103	MP4B	X	1.693	1.693	0	%100
104	MP4B	Z	2.932	2.932	0	%100
105	M102A	X	1.405	1.405	0	%100
106	M102A	Z	2.434	2.434	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	1.405	1.405	0	%100
110	M107	Z	2.434	2.434	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	1.554	1.554	0	%100
114	M121	Z	2.691	2.691	0	%100
115	M124	X	1.554	1.554	0	%100
116	M124	Z	2.691	2.691	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	M1	X	0	0	0	%100
2	M1	Z	4.199	4.199	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	3.453	3.453	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	3.747	3.747	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	3.385	3.385	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	3.385	3.385	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	3.453	3.453	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	5.401	5.401	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	.994	.994	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	.994	.994	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	1.348	1.348	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	1.407	1.407	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	1.348	1.348	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	1.407	1.407	0	%100
33	M52A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M52A	Z	3.179	3.179	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.863	.863	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.863	.863	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	1.35	1.35	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	.994	.994	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	3.974	3.974	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	3.985	3.985	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	1.348	1.348	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	1.407	1.407	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	3.985	3.985	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	5.393	5.393	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	5.629	5.629	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	3.179	3.179	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	.863	.863	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	.863	.863	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	1.35	1.35	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	3.974	3.974	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	.994	.994	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	3.985	3.985	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	5.393	5.393	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	5.629	5.629	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	3.985	3.985	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	1.348	1.348	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	1.407	1.407	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	1.05	1.05	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	1.05	1.05	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	2.783	2.783	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	3.385	3.385	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	3.747	3.747	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP3C	X	0	0	0	%100
92	MP3C	Z	3.385	3.385	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	3.385	3.385	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	3.385	3.385	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.747	3.747	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	3.385	3.385	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	3.385	3.385	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	3.385	3.385	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	3.747	3.747	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	.937	.937	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	.937	.937	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	1.036	1.036	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	1.036	1.036	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	4.143	4.143	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	M1	X	-1.575	-1.575	0	%100
2	M1	Z	2.727	2.727	0	%100
3	M4	X	-.53	-.53	0	%100
4	M4	Z	.918	.918	0	%100
5	M10	X	-1.295	-1.295	0	%100
6	M10	Z	2.243	2.243	0	%100
7	MP2A	X	-1.874	-1.874	0	%100
8	MP2A	Z	3.245	3.245	0	%100
9	MP3A	X	-1.693	-1.693	0	%100
10	MP3A	Z	2.932	2.932	0	%100
11	MP1A	X	-1.693	-1.693	0	%100
12	MP1A	Z	2.932	2.932	0	%100
13	M43	X	-1.295	-1.295	0	%100
14	M43	Z	2.243	2.243	0	%100
15	M46	X	-2.025	-2.025	0	%100
16	M46	Z	3.508	3.508	0	%100
17	M51B	X	-1.49	-1.49	0	%100
18	M51B	Z	2.581	2.581	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-.664	-.664	0	%100
22	M76	Z	1.15	1.15	0	%100
23	M77	X	-2.022	-2.022	0	%100
24	M77	Z	3.503	3.503	0	%100
25	M80	X	-2.111	-2.111	0	%100
26	M80	Z	3.656	3.656	0	%100
27	M84	X	-.664	-.664	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,%]
28	M84	Z	1.15	1.15	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.53	-.53	0	%100
34	M52A	Z	.918	.918	0	%100
35	M53	X	-1.295	-1.295	0	%100
36	M53	Z	2.243	2.243	0	%100
37	M54	X	-1.295	-1.295	0	%100
38	M54	Z	2.243	2.243	0	%100
39	M55	X	-2.025	-2.025	0	%100
40	M55	Z	3.508	3.508	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-1.49	-1.49	0	%100
44	M59A	Z	2.581	2.581	0	%100
45	M63	X	-.664	-.664	0	%100
46	M63	Z	1.15	1.15	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.664	-.664	0	%100
52	M68	Z	1.15	1.15	0	%100
53	M69	X	-2.022	-2.022	0	%100
54	M69	Z	3.503	3.503	0	%100
55	M71	X	-2.111	-2.111	0	%100
56	M71	Z	3.656	3.656	0	%100
57	M76A	X	-2.119	-2.119	0	%100
58	M76A	Z	3.671	3.671	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-1.49	-1.49	0	%100
66	M82	Z	2.581	2.581	0	%100
67	M83A	X	-1.49	-1.49	0	%100
68	M83A	Z	2.581	2.581	0	%100
69	M87	X	-2.656	-2.656	0	%100
70	M87	Z	4.601	4.601	0	%100
71	M88A	X	-2.022	-2.022	0	%100
72	M88A	Z	3.503	3.503	0	%100
73	M90	X	-2.111	-2.111	0	%100
74	M90	Z	3.656	3.656	0	%100
75	M92A	X	-2.656	-2.656	0	%100
76	M92A	Z	4.601	4.601	0	%100
77	M93	X	-2.022	-2.022	0	%100
78	M93	Z	3.503	3.503	0	%100
79	M95	X	-2.111	-2.111	0	%100
80	M95	Z	3.656	3.656	0	%100
81	M82A	X	-1.575	-1.575	0	%100
82	M82A	Z	2.727	2.727	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	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,%]
85	M117	X	-1.391	-1.391	0	%100
86	M117	Z	2.41	2.41	0	%100
87	MP4A	X	-1.693	-1.693	0	%100
88	MP4A	Z	2.932	2.932	0	%100
89	MP2C	X	-1.874	-1.874	0	%100
90	MP2C	Z	3.245	3.245	0	%100
91	MP3C	X	-1.693	-1.693	0	%100
92	MP3C	Z	2.932	2.932	0	%100
93	MP1C	X	-1.693	-1.693	0	%100
94	MP1C	Z	2.932	2.932	0	%100
95	MP4C	X	-1.693	-1.693	0	%100
96	MP4C	Z	2.932	2.932	0	%100
97	MP2B	X	-1.874	-1.874	0	%100
98	MP2B	Z	3.245	3.245	0	%100
99	MP3B	X	-1.693	-1.693	0	%100
100	MP3B	Z	2.932	2.932	0	%100
101	MP1B	X	-1.693	-1.693	0	%100
102	MP1B	Z	2.932	2.932	0	%100
103	MP4B	X	-1.693	-1.693	0	%100
104	MP4B	Z	2.932	2.932	0	%100
105	M102A	X	-1.405	-1.405	0	%100
106	M102A	Z	2.434	2.434	0	%100
107	M106	X	-1.405	-1.405	0	%100
108	M106	Z	2.434	2.434	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-1.554	-1.554	0	%100
112	M123	Z	2.691	2.691	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	-1.554	-1.554	0	%100
116	M124	Z	2.691	2.691	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	M1	X	-.909	-.909	0	%100
2	M1	Z	.525	.525	0	%100
3	M4	X	-2.753	-2.753	0	%100
4	M4	Z	1.59	1.59	0	%100
5	M10	X	-.748	-.748	0	%100
6	M10	Z	.432	.432	0	%100
7	MP2A	X	-3.245	-3.245	0	%100
8	MP2A	Z	1.874	1.874	0	%100
9	MP3A	X	-2.932	-2.932	0	%100
10	MP3A	Z	1.693	1.693	0	%100
11	MP1A	X	-2.932	-2.932	0	%100
12	MP1A	Z	1.693	1.693	0	%100
13	M43	X	-.748	-.748	0	%100
14	M43	Z	.432	.432	0	%100
15	M46	X	-1.169	-1.169	0	%100
16	M46	Z	.675	.675	0	%100
17	M51B	X	-3.442	-3.442	0	%100
18	M51B	Z	1.987	1.987	0	%100
19	M52B	X	-.86	-.86	0	%100
20	M52B	Z	.497	.497	0	%100
21	M76	X	-3.451	-3.451	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M76	Z	1.992	1.992	0	%100
23	M77	X	-4.671	-4.671	0	%100
24	M77	Z	2.697	2.697	0	%100
25	M80	X	-4.875	-4.875	0	%100
26	M80	Z	2.814	2.814	0	%100
27	M84	X	-3.451	-3.451	0	%100
28	M84	Z	1.992	1.992	0	%100
29	M85	X	-1.168	-1.168	0	%100
30	M85	Z	.674	.674	0	%100
31	M91	X	-1.219	-1.219	0	%100
32	M91	Z	.704	.704	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-2.99	-2.99	0	%100
36	M53	Z	1.727	1.727	0	%100
37	M54	X	-2.99	-2.99	0	%100
38	M54	Z	1.727	1.727	0	%100
39	M55	X	-4.678	-4.678	0	%100
40	M55	Z	2.701	2.701	0	%100
41	M58A	X	-.86	-.86	0	%100
42	M58A	Z	.497	.497	0	%100
43	M59A	X	-.86	-.86	0	%100
44	M59A	Z	.497	.497	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-1.168	-1.168	0	%100
48	M64	Z	.674	.674	0	%100
49	M66	X	-1.219	-1.219	0	%100
50	M66	Z	.704	.704	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-1.168	-1.168	0	%100
54	M69	Z	.674	.674	0	%100
55	M71	X	-1.219	-1.219	0	%100
56	M71	Z	.704	.704	0	%100
57	M76A	X	-2.753	-2.753	0	%100
58	M76A	Z	1.59	1.59	0	%100
59	M77A	X	-.748	-.748	0	%100
60	M77A	Z	.432	.432	0	%100
61	M78	X	-.748	-.748	0	%100
62	M78	Z	.432	.432	0	%100
63	M79A	X	-1.169	-1.169	0	%100
64	M79A	Z	.675	.675	0	%100
65	M82	X	-.86	-.86	0	%100
66	M82	Z	.497	.497	0	%100
67	M83A	X	-3.442	-3.442	0	%100
68	M83A	Z	1.987	1.987	0	%100
69	M87	X	-3.451	-3.451	0	%100
70	M87	Z	1.992	1.992	0	%100
71	M88A	X	-1.168	-1.168	0	%100
72	M88A	Z	.674	.674	0	%100
73	M90	X	-1.219	-1.219	0	%100
74	M90	Z	.704	.704	0	%100
75	M92A	X	-3.451	-3.451	0	%100
76	M92A	Z	1.992	1.992	0	%100
77	M93	X	-4.671	-4.671	0	%100
78	M93	Z	2.697	2.697	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M95	X	-4.875	-4.875	0	%100
80	M95	Z	2.814	2.814	0	%100
81	M82A	X	-3.637	-3.637	0	%100
82	M82A	Z	2.1	2.1	0	%100
83	M91B	X	-.909	-.909	0	%100
84	M91B	Z	.525	.525	0	%100
85	M117	X	-2.41	-2.41	0	%100
86	M117	Z	1.391	1.391	0	%100
87	MP4A	X	-2.932	-2.932	0	%100
88	MP4A	Z	1.693	1.693	0	%100
89	MP2C	X	-3.245	-3.245	0	%100
90	MP2C	Z	1.874	1.874	0	%100
91	MP3C	X	-2.932	-2.932	0	%100
92	MP3C	Z	1.693	1.693	0	%100
93	MP1C	X	-2.932	-2.932	0	%100
94	MP1C	Z	1.693	1.693	0	%100
95	MP4C	X	-2.932	-2.932	0	%100
96	MP4C	Z	1.693	1.693	0	%100
97	MP2B	X	-3.245	-3.245	0	%100
98	MP2B	Z	1.874	1.874	0	%100
99	MP3B	X	-2.932	-2.932	0	%100
100	MP3B	Z	1.693	1.693	0	%100
101	MP1B	X	-2.932	-2.932	0	%100
102	MP1B	Z	1.693	1.693	0	%100
103	MP4B	X	-2.932	-2.932	0	%100
104	MP4B	Z	1.693	1.693	0	%100
105	M102A	X	-.811	-.811	0	%100
106	M102A	Z	.468	.468	0	%100
107	M106	X	-3.245	-3.245	0	%100
108	M106	Z	1.874	1.874	0	%100
109	M107	X	-.811	-.811	0	%100
110	M107	Z	.468	.468	0	%100
111	M123	X	-3.588	-3.588	0	%100
112	M123	Z	2.072	2.072	0	%100
113	M121	X	-.897	-.897	0	%100
114	M121	Z	.518	.518	0	%100
115	M124	X	-.897	-.897	0	%100
116	M124	Z	.518	.518	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-4.239	-4.239	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	-3.747	-3.747	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	-3.385	-3.385	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-3.385	-3.385	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	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,%]
16	M46	Z	0	0	0	%100
17	M51B	X	-2.981	-2.981	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-2.981	-2.981	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-5.313	-5.313	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-4.045	-4.045	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	-4.221	-4.221	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-5.313	-5.313	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-4.045	-4.045	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-4.221	-4.221	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-1.06	-1.06	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-2.59	-2.59	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-2.59	-2.59	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-4.051	-4.051	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-2.981	-2.981	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-1.328	-1.328	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-4.045	-4.045	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-4.221	-4.221	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-1.328	-1.328	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-1.06	-1.06	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-2.59	-2.59	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	-2.59	-2.59	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-4.051	-4.051	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-2.981	-2.981	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-1.328	-1.328	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	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,%]
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-1.328	-1.328	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-4.045	-4.045	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	-4.221	-4.221	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	-3.149	-3.149	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-3.149	-3.149	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	-2.783	-2.783	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	-3.385	-3.385	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	-3.747	-3.747	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-3.385	-3.385	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	-3.385	-3.385	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-3.385	-3.385	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	-3.747	-3.747	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-3.385	-3.385	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	-3.385	-3.385	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	-3.385	-3.385	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	-2.81	-2.81	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-2.81	-2.81	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-3.108	-3.108	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	-3.108	-3.108	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	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	M1	X	-.909	-.909	0	%100
2	M1	Z	-.525	-.525	0	%100
3	M4	X	-2.753	-2.753	0	%100
4	M4	Z	-1.59	-1.59	0	%100
5	M10	X	-.748	-.748	0	%100
6	M10	Z	-.432	-.432	0	%100
7	MP2A	X	-3.245	-3.245	0	%100
8	MP2A	Z	-1.874	-1.874	0	%100
9	MP3A	X	-2.932	-2.932	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP3A	Z	-1.693	-1.693	0	%100
11	MP1A	X	-2.932	-2.932	0	%100
12	MP1A	Z	-1.693	-1.693	0	%100
13	M43	X	-.748	-.748	0	%100
14	M43	Z	-.432	-.432	0	%100
15	M46	X	-1.169	-1.169	0	%100
16	M46	Z	-.675	-.675	0	%100
17	M51B	X	-.86	-.86	0	%100
18	M51B	Z	-.497	-.497	0	%100
19	M52B	X	-3.442	-3.442	0	%100
20	M52B	Z	-1.987	-1.987	0	%100
21	M76	X	-3.451	-3.451	0	%100
22	M76	Z	-1.992	-1.992	0	%100
23	M77	X	-1.168	-1.168	0	%100
24	M77	Z	-.674	-.674	0	%100
25	M80	X	-1.219	-1.219	0	%100
26	M80	Z	-.704	-.704	0	%100
27	M84	X	-3.451	-3.451	0	%100
28	M84	Z	-1.992	-1.992	0	%100
29	M85	X	-4.671	-4.671	0	%100
30	M85	Z	-2.697	-2.697	0	%100
31	M91	X	-4.875	-4.875	0	%100
32	M91	Z	-2.814	-2.814	0	%100
33	M52A	X	-2.753	-2.753	0	%100
34	M52A	Z	-1.59	-1.59	0	%100
35	M53	X	-.748	-.748	0	%100
36	M53	Z	-.432	-.432	0	%100
37	M54	X	-.748	-.748	0	%100
38	M54	Z	-.432	-.432	0	%100
39	M55	X	-1.169	-1.169	0	%100
40	M55	Z	-.675	-.675	0	%100
41	M58A	X	-3.442	-3.442	0	%100
42	M58A	Z	-1.987	-1.987	0	%100
43	M59A	X	-.86	-.86	0	%100
44	M59A	Z	-.497	-.497	0	%100
45	M63	X	-3.451	-3.451	0	%100
46	M63	Z	-1.992	-1.992	0	%100
47	M64	X	-4.671	-4.671	0	%100
48	M64	Z	-2.697	-2.697	0	%100
49	M66	X	-4.875	-4.875	0	%100
50	M66	Z	-2.814	-2.814	0	%100
51	M68	X	-3.451	-3.451	0	%100
52	M68	Z	-1.992	-1.992	0	%100
53	M69	X	-1.168	-1.168	0	%100
54	M69	Z	-.674	-.674	0	%100
55	M71	X	-1.219	-1.219	0	%100
56	M71	Z	-.704	-.704	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-2.99	-2.99	0	%100
60	M77A	Z	-1.727	-1.727	0	%100
61	M78	X	-2.99	-2.99	0	%100
62	M78	Z	-1.727	-1.727	0	%100
63	M79A	X	-4.678	-4.678	0	%100
64	M79A	Z	-2.701	-2.701	0	%100
65	M82	X	-.86	-.86	0	%100
66	M82	Z	-.497	-.497	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M83A	X	-.86	-.86	0	%100
68	M83A	Z	-.497	-.497	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-1.168	-1.168	0	%100
72	M88A	Z	-.674	-.674	0	%100
73	M90	X	-1.219	-1.219	0	%100
74	M90	Z	-.704	-.704	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-1.168	-1.168	0	%100
78	M93	Z	-.674	-.674	0	%100
79	M95	X	-1.219	-1.219	0	%100
80	M95	Z	-.704	-.704	0	%100
81	M82A	X	-.909	-.909	0	%100
82	M82A	Z	-.525	-.525	0	%100
83	M91B	X	-3.637	-3.637	0	%100
84	M91B	Z	-2.1	-2.1	0	%100
85	M117	X	-2.41	-2.41	0	%100
86	M117	Z	-1.391	-1.391	0	%100
87	MP4A	X	-2.932	-2.932	0	%100
88	MP4A	Z	-1.693	-1.693	0	%100
89	MP2C	X	-3.245	-3.245	0	%100
90	MP2C	Z	-1.874	-1.874	0	%100
91	MP3C	X	-2.932	-2.932	0	%100
92	MP3C	Z	-1.693	-1.693	0	%100
93	MP1C	X	-2.932	-2.932	0	%100
94	MP1C	Z	-1.693	-1.693	0	%100
95	MP4C	X	-2.932	-2.932	0	%100
96	MP4C	Z	-1.693	-1.693	0	%100
97	MP2B	X	-3.245	-3.245	0	%100
98	MP2B	Z	-1.874	-1.874	0	%100
99	MP3B	X	-2.932	-2.932	0	%100
100	MP3B	Z	-1.693	-1.693	0	%100
101	MP1B	X	-2.932	-2.932	0	%100
102	MP1B	Z	-1.693	-1.693	0	%100
103	MP4B	X	-2.932	-2.932	0	%100
104	MP4B	Z	-1.693	-1.693	0	%100
105	M102A	X	-.811	-.811	0	%100
106	M102A	Z	-.468	-.468	0	%100
107	M106	X	-.811	-.811	0	%100
108	M106	Z	-.468	-.468	0	%100
109	M107	X	-3.245	-3.245	0	%100
110	M107	Z	-1.874	-1.874	0	%100
111	M123	X	-.897	-.897	0	%100
112	M123	Z	-.518	-.518	0	%100
113	M121	X	-3.588	-3.588	0	%100
114	M121	Z	-2.072	-2.072	0	%100
115	M124	X	-.897	-.897	0	%100
116	M124	Z	-.518	-.518	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,%]
1	M1	X	-1.575	-1.575	0	%100
2	M1	Z	-2.727	-2.727	0	%100
3	M4	X	-.53	-.53	0	%100

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,%]
4	M4	Z	-.918	-.918	0	%100
5	M10	X	-1.295	-1.295	0	%100
6	M10	Z	-2.243	-2.243	0	%100
7	MP2A	X	-1.874	-1.874	0	%100
8	MP2A	Z	-3.245	-3.245	0	%100
9	MP3A	X	-1.693	-1.693	0	%100
10	MP3A	Z	-2.932	-2.932	0	%100
11	MP1A	X	-1.693	-1.693	0	%100
12	MP1A	Z	-2.932	-2.932	0	%100
13	M43	X	-1.295	-1.295	0	%100
14	M43	Z	-2.243	-2.243	0	%100
15	M46	X	-2.025	-2.025	0	%100
16	M46	Z	-3.508	-3.508	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-1.49	-1.49	0	%100
20	M52B	Z	-2.581	-2.581	0	%100
21	M76	X	-.664	-.664	0	%100
22	M76	Z	-1.15	-1.15	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-.664	-.664	0	%100
28	M84	Z	-1.15	-1.15	0	%100
29	M85	X	-2.022	-2.022	0	%100
30	M85	Z	-3.503	-3.503	0	%100
31	M91	X	-2.111	-2.111	0	%100
32	M91	Z	-3.656	-3.656	0	%100
33	M52A	X	-2.119	-2.119	0	%100
34	M52A	Z	-3.671	-3.671	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-1.49	-1.49	0	%100
42	M58A	Z	-2.581	-2.581	0	%100
43	M59A	X	-1.49	-1.49	0	%100
44	M59A	Z	-2.581	-2.581	0	%100
45	M63	X	-2.656	-2.656	0	%100
46	M63	Z	-4.601	-4.601	0	%100
47	M64	X	-2.022	-2.022	0	%100
48	M64	Z	-3.503	-3.503	0	%100
49	M66	X	-2.111	-2.111	0	%100
50	M66	Z	-3.656	-3.656	0	%100
51	M68	X	-2.656	-2.656	0	%100
52	M68	Z	-4.601	-4.601	0	%100
53	M69	X	-2.022	-2.022	0	%100
54	M69	Z	-3.503	-3.503	0	%100
55	M71	X	-2.111	-2.111	0	%100
56	M71	Z	-3.656	-3.656	0	%100
57	M76A	X	-.53	-.53	0	%100
58	M76A	Z	-.918	-.918	0	%100
59	M77A	X	-1.295	-1.295	0	%100
60	M77A	Z	-2.243	-2.243	0	%100

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,%]
61	M78	X	-1.295	-1.295	0	%100
62	M78	Z	-2.243	-2.243	0	%100
63	M79A	X	-2.025	-2.025	0	%100
64	M79A	Z	-3.508	-3.508	0	%100
65	M82	X	-1.49	-1.49	0	%100
66	M82	Z	-2.581	-2.581	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-.664	-.664	0	%100
70	M87	Z	-1.15	-1.15	0	%100
71	M88A	X	-2.022	-2.022	0	%100
72	M88A	Z	-3.503	-3.503	0	%100
73	M90	X	-2.111	-2.111	0	%100
74	M90	Z	-3.656	-3.656	0	%100
75	M92A	X	-.664	-.664	0	%100
76	M92A	Z	-1.15	-1.15	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-1.575	-1.575	0	%100
84	M91B	Z	-2.727	-2.727	0	%100
85	M117	X	-1.391	-1.391	0	%100
86	M117	Z	-2.41	-2.41	0	%100
87	MP4A	X	-1.693	-1.693	0	%100
88	MP4A	Z	-2.932	-2.932	0	%100
89	MP2C	X	-1.874	-1.874	0	%100
90	MP2C	Z	-3.245	-3.245	0	%100
91	MP3C	X	-1.693	-1.693	0	%100
92	MP3C	Z	-2.932	-2.932	0	%100
93	MP1C	X	-1.693	-1.693	0	%100
94	MP1C	Z	-2.932	-2.932	0	%100
95	MP4C	X	-1.693	-1.693	0	%100
96	MP4C	Z	-2.932	-2.932	0	%100
97	MP2B	X	-1.874	-1.874	0	%100
98	MP2B	Z	-3.245	-3.245	0	%100
99	MP3B	X	-1.693	-1.693	0	%100
100	MP3B	Z	-2.932	-2.932	0	%100
101	MP1B	X	-1.693	-1.693	0	%100
102	MP1B	Z	-2.932	-2.932	0	%100
103	MP4B	X	-1.693	-1.693	0	%100
104	MP4B	Z	-2.932	-2.932	0	%100
105	M102A	X	-1.405	-1.405	0	%100
106	M102A	Z	-2.434	-2.434	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-1.405	-1.405	0	%100
110	M107	Z	-2.434	-2.434	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	-1.554	-1.554	0	%100
114	M121	Z	-2.691	-2.691	0	%100
115	M124	X	-1.554	-1.554	0	%100
116	M124	Z	-2.691	-2.691	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	M1	X	0	0	0	%100
2	M1	Z	-.883	-.883	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	-.783	-.783	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	-.749	-.749	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-.618	-.618	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	-.618	-.618	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	-.783	-.783	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	-1.562	-1.562	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	-.217	-.217	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	-.217	-.217	0	%100
21	M76	X	0	0	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	-.398	-.398	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	-.419	-.419	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	-.398	-.398	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	-.419	-.419	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	-.694	-.694	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	-.196	-.196	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	-.196	-.196	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	-.391	-.391	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	-.217	-.217	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	-.868	-.868	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	-1.172	-1.172	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	-.398	-.398	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	-.419	-.419	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	-1.172	-1.172	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	-1.591	-1.591	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	-1.676	-1.676	0	%100
57	M76A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	-.694	-.694	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	-.196	-.196	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	-.196	-.196	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	-.391	-.391	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	-.868	-.868	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	-.217	-.217	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	-1.172	-1.172	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	-1.591	-1.591	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	-1.676	-1.676	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	-1.172	-1.172	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	-.398	-.398	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	-.419	-.419	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	-.221	-.221	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	-.221	-.221	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	-.506	-.506	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	-.618	-.618	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	-.749	-.749	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	-.618	-.618	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	-.618	-.618	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	-.618	-.618	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.749	-.749	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	-.618	-.618	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	-.618	-.618	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	-.618	-.618	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	-.749	-.749	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	-.187	-.187	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	-.187	-.187	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	-.251	-.251	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	-.251	-.251	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M124	X	0	0	0	%100
116	M124	Z	-1.005	-1.005	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	M1	X	.331	.331	0	%100
2	M1	Z	-.574	-.574	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	-.2	-.2	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	-.509	-.509	0	%100
7	MP2A	X	.374	.374	0	%100
8	MP2A	Z	-.648	-.648	0	%100
9	MP3A	X	.309	.309	0	%100
10	MP3A	Z	-.536	-.536	0	%100
11	MP1A	X	.309	.309	0	%100
12	MP1A	Z	-.536	-.536	0	%100
13	M43	X	.294	.294	0	%100
14	M43	Z	-.509	-.509	0	%100
15	M46	X	.586	.586	0	%100
16	M46	Z	-1.015	-1.015	0	%100
17	M51B	X	.325	.325	0	%100
18	M51B	Z	-.564	-.564	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	.195	.195	0	%100
22	M76	Z	-.338	-.338	0	%100
23	M77	X	.597	.597	0	%100
24	M77	Z	-1.034	-1.034	0	%100
25	M80	X	.629	.629	0	%100
26	M80	Z	-1.089	-1.089	0	%100
27	M84	X	.195	.195	0	%100
28	M84	Z	-.338	-.338	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.116	.116	0	%100
34	M52A	Z	-.2	-.2	0	%100
35	M53	X	.294	.294	0	%100
36	M53	Z	-.509	-.509	0	%100
37	M54	X	.294	.294	0	%100
38	M54	Z	-.509	-.509	0	%100
39	M55	X	.586	.586	0	%100
40	M55	Z	-1.015	-1.015	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	.325	.325	0	%100
44	M59A	Z	-.564	-.564	0	%100
45	M63	X	.195	.195	0	%100
46	M63	Z	-.338	-.338	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.195	.195	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M68	Z	-.338	-.338	0	%100
53	M69	X	.597	.597	0	%100
54	M69	Z	-1.034	-1.034	0	%100
55	M71	X	.629	.629	0	%100
56	M71	Z	-1.089	-1.089	0	%100
57	M76A	X	.463	.463	0	%100
58	M76A	Z	-.802	-.802	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	.325	.325	0	%100
66	M82	Z	-.564	-.564	0	%100
67	M83A	X	.325	.325	0	%100
68	M83A	Z	-.564	-.564	0	%100
69	M87	X	.781	.781	0	%100
70	M87	Z	-1.353	-1.353	0	%100
71	M88A	X	.597	.597	0	%100
72	M88A	Z	-1.034	-1.034	0	%100
73	M90	X	.629	.629	0	%100
74	M90	Z	-1.089	-1.089	0	%100
75	M92A	X	.781	.781	0	%100
76	M92A	Z	-1.353	-1.353	0	%100
77	M93	X	.597	.597	0	%100
78	M93	Z	-1.034	-1.034	0	%100
79	M95	X	.629	.629	0	%100
80	M95	Z	-1.089	-1.089	0	%100
81	M82A	X	.331	.331	0	%100
82	M82A	Z	-.574	-.574	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	.253	.253	0	%100
86	M117	Z	-.438	-.438	0	%100
87	MP4A	X	.309	.309	0	%100
88	MP4A	Z	-.536	-.536	0	%100
89	MP2C	X	.374	.374	0	%100
90	MP2C	Z	-.648	-.648	0	%100
91	MP3C	X	.309	.309	0	%100
92	MP3C	Z	-.536	-.536	0	%100
93	MP1C	X	.309	.309	0	%100
94	MP1C	Z	-.536	-.536	0	%100
95	MP4C	X	.309	.309	0	%100
96	MP4C	Z	-.536	-.536	0	%100
97	MP2B	X	.374	.374	0	%100
98	MP2B	Z	-.648	-.648	0	%100
99	MP3B	X	.309	.309	0	%100
100	MP3B	Z	-.536	-.536	0	%100
101	MP1B	X	.309	.309	0	%100
102	MP1B	Z	-.536	-.536	0	%100
103	MP4B	X	.309	.309	0	%100
104	MP4B	Z	-.536	-.536	0	%100
105	M102A	X	.281	.281	0	%100
106	M102A	Z	-.486	-.486	0	%100
107	M106	X	.281	.281	0	%100
108	M106	Z	-.486	-.486	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	.377	.377	0	%100
112	M123	Z	-.653	-.653	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	.377	.377	0	%100
116	M124	Z	-.653	-.653	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	M1	X	.191	.191	0	%100
2	M1	Z	-.11	-.11	0	%100
3	M4	X	.601	.601	0	%100
4	M4	Z	-.347	-.347	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	-.098	-.098	0	%100
7	MP2A	X	.648	.648	0	%100
8	MP2A	Z	-.374	-.374	0	%100
9	MP3A	X	.536	.536	0	%100
10	MP3A	Z	-.309	-.309	0	%100
11	MP1A	X	.536	.536	0	%100
12	MP1A	Z	-.309	-.309	0	%100
13	M43	X	.17	.17	0	%100
14	M43	Z	-.098	-.098	0	%100
15	M46	X	.338	.338	0	%100
16	M46	Z	-.195	-.195	0	%100
17	M51B	X	.751	.751	0	%100
18	M51B	Z	-.434	-.434	0	%100
19	M52B	X	.188	.188	0	%100
20	M52B	Z	-.108	-.108	0	%100
21	M76	X	1.015	1.015	0	%100
22	M76	Z	-.586	-.586	0	%100
23	M77	X	1.378	1.378	0	%100
24	M77	Z	-.796	-.796	0	%100
25	M80	X	1.452	1.452	0	%100
26	M80	Z	-.838	-.838	0	%100
27	M84	X	1.015	1.015	0	%100
28	M84	Z	-.586	-.586	0	%100
29	M85	X	.345	.345	0	%100
30	M85	Z	-.199	-.199	0	%100
31	M91	X	.363	.363	0	%100
32	M91	Z	-.21	-.21	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	.678	.678	0	%100
36	M53	Z	-.392	-.392	0	%100
37	M54	X	.678	.678	0	%100
38	M54	Z	-.392	-.392	0	%100
39	M55	X	1.353	1.353	0	%100
40	M55	Z	-.781	-.781	0	%100
41	M58A	X	.188	.188	0	%100
42	M58A	Z	-.108	-.108	0	%100
43	M59A	X	.188	.188	0	%100
44	M59A	Z	-.108	-.108	0	%100
45	M63	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
46	M63	Z	0	0	0	%100
47	M64	X	.345	.345	0	%100
48	M64	Z	-.199	-.199	0	%100
49	M66	X	.363	.363	0	%100
50	M66	Z	-.21	-.21	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	.345	.345	0	%100
54	M69	Z	-.199	-.199	0	%100
55	M71	X	.363	.363	0	%100
56	M71	Z	-.21	-.21	0	%100
57	M76A	X	.601	.601	0	%100
58	M76A	Z	-.347	-.347	0	%100
59	M77A	X	.17	.17	0	%100
60	M77A	Z	-.098	-.098	0	%100
61	M78	X	.17	.17	0	%100
62	M78	Z	-.098	-.098	0	%100
63	M79A	X	.338	.338	0	%100
64	M79A	Z	-.195	-.195	0	%100
65	M82	X	.188	.188	0	%100
66	M82	Z	-.108	-.108	0	%100
67	M83A	X	.751	.751	0	%100
68	M83A	Z	-.434	-.434	0	%100
69	M87	X	1.015	1.015	0	%100
70	M87	Z	-.586	-.586	0	%100
71	M88A	X	.345	.345	0	%100
72	M88A	Z	-.199	-.199	0	%100
73	M90	X	.363	.363	0	%100
74	M90	Z	-.21	-.21	0	%100
75	M92A	X	1.015	1.015	0	%100
76	M92A	Z	-.586	-.586	0	%100
77	M93	X	1.378	1.378	0	%100
78	M93	Z	-.796	-.796	0	%100
79	M95	X	1.452	1.452	0	%100
80	M95	Z	-.838	-.838	0	%100
81	M82A	X	.765	.765	0	%100
82	M82A	Z	-.442	-.442	0	%100
83	M91B	X	.191	.191	0	%100
84	M91B	Z	-.11	-.11	0	%100
85	M117	X	.438	.438	0	%100
86	M117	Z	-.253	-.253	0	%100
87	MP4A	X	.536	.536	0	%100
88	MP4A	Z	-.309	-.309	0	%100
89	MP2C	X	.648	.648	0	%100
90	MP2C	Z	-.374	-.374	0	%100
91	MP3C	X	.536	.536	0	%100
92	MP3C	Z	-.309	-.309	0	%100
93	MP1C	X	.536	.536	0	%100
94	MP1C	Z	-.309	-.309	0	%100
95	MP4C	X	.536	.536	0	%100
96	MP4C	Z	-.309	-.309	0	%100
97	MP2B	X	.648	.648	0	%100
98	MP2B	Z	-.374	-.374	0	%100
99	MP3B	X	.536	.536	0	%100
100	MP3B	Z	-.309	-.309	0	%100
101	MP1B	X	.536	.536	0	%100
102	MP1B	Z	-.309	-.309	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
103	MP4B	X	.536	.536	0	%100
104	MP4B	Z	-.309	-.309	0	%100
105	M102A	X	.162	.162	0	%100
106	M102A	Z	-.094	-.094	0	%100
107	M106	X	.648	.648	0	%100
108	M106	Z	-.374	-.374	0	%100
109	M107	X	.162	.162	0	%100
110	M107	Z	-.094	-.094	0	%100
111	M123	X	.871	.871	0	%100
112	M123	Z	-.503	-.503	0	%100
113	M121	X	.218	.218	0	%100
114	M121	Z	-.126	-.126	0	%100
115	M124	X	.218	.218	0	%100
116	M124	Z	-.126	-.126	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	.926	.926	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	.749	.749	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	.618	.618	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	.618	.618	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	.651	.651	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	.651	.651	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	1.562	1.562	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	1.194	1.194	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	1.257	1.257	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	1.562	1.562	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	1.194	1.194	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	1.257	1.257	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	.231	.231	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	.587	.587	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	.587	.587	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	1.172	1.172	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
40	M55	Z	0	0	0	%100
41	M58A	X	.651	.651	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	.391	.391	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	1.194	1.194	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	1.257	1.257	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	.391	.391	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	.231	.231	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	.587	.587	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	.587	.587	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	1.172	1.172	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	.651	.651	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	.391	.391	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	.391	.391	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	1.194	1.194	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	1.257	1.257	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	.662	.662	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	.662	.662	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	.506	.506	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	.618	.618	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	.749	.749	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	.618	.618	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	.618	.618	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	.618	.618	0	%100
96	MP4C	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
97	MP2B	X	.749	.749	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	.618	.618	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	.618	.618	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	.618	.618	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	.561	.561	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	.561	.561	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	.754	.754	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	.754	.754	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	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	M1	X	.191	.191	0	%100
2	M1	Z	.11	.11	0	%100
3	M4	X	.601	.601	0	%100
4	M4	Z	.347	.347	0	%100
5	M10	X	.17	.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP2A	X	.648	.648	0	%100
8	MP2A	Z	.374	.374	0	%100
9	MP3A	X	.536	.536	0	%100
10	MP3A	Z	.309	.309	0	%100
11	MP1A	X	.536	.536	0	%100
12	MP1A	Z	.309	.309	0	%100
13	M43	X	.17	.17	0	%100
14	M43	Z	.098	.098	0	%100
15	M46	X	.338	.338	0	%100
16	M46	Z	.195	.195	0	%100
17	M51B	X	.188	.188	0	%100
18	M51B	Z	.108	.108	0	%100
19	M52B	X	.751	.751	0	%100
20	M52B	Z	.434	.434	0	%100
21	M76	X	1.015	1.015	0	%100
22	M76	Z	.586	.586	0	%100
23	M77	X	.345	.345	0	%100
24	M77	Z	.199	.199	0	%100
25	M80	X	.363	.363	0	%100
26	M80	Z	.21	.21	0	%100
27	M84	X	1.015	1.015	0	%100
28	M84	Z	.586	.586	0	%100
29	M85	X	1.378	1.378	0	%100
30	M85	Z	.796	.796	0	%100
31	M91	X	1.452	1.452	0	%100
32	M91	Z	.838	.838	0	%100
33	M52A	X	.601	.601	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
34	M52A	Z	.347	.347	0	%100
35	M53	X	.17	.17	0	%100
36	M53	Z	.098	.098	0	%100
37	M54	X	.17	.17	0	%100
38	M54	Z	.098	.098	0	%100
39	M55	X	.338	.338	0	%100
40	M55	Z	.195	.195	0	%100
41	M58A	X	.751	.751	0	%100
42	M58A	Z	.434	.434	0	%100
43	M59A	X	.188	.188	0	%100
44	M59A	Z	.108	.108	0	%100
45	M63	X	1.015	1.015	0	%100
46	M63	Z	.586	.586	0	%100
47	M64	X	1.378	1.378	0	%100
48	M64	Z	.796	.796	0	%100
49	M66	X	1.452	1.452	0	%100
50	M66	Z	.838	.838	0	%100
51	M68	X	1.015	1.015	0	%100
52	M68	Z	.586	.586	0	%100
53	M69	X	.345	.345	0	%100
54	M69	Z	.199	.199	0	%100
55	M71	X	.363	.363	0	%100
56	M71	Z	.21	.21	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	.678	.678	0	%100
60	M77A	Z	.392	.392	0	%100
61	M78	X	.678	.678	0	%100
62	M78	Z	.392	.392	0	%100
63	M79A	X	1.353	1.353	0	%100
64	M79A	Z	.781	.781	0	%100
65	M82	X	.188	.188	0	%100
66	M82	Z	.108	.108	0	%100
67	M83A	X	.188	.188	0	%100
68	M83A	Z	.108	.108	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	.345	.345	0	%100
72	M88A	Z	.199	.199	0	%100
73	M90	X	.363	.363	0	%100
74	M90	Z	.21	.21	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	.345	.345	0	%100
78	M93	Z	.199	.199	0	%100
79	M95	X	.363	.363	0	%100
80	M95	Z	.21	.21	0	%100
81	M82A	X	.191	.191	0	%100
82	M82A	Z	.11	.11	0	%100
83	M91B	X	.765	.765	0	%100
84	M91B	Z	.442	.442	0	%100
85	M117	X	.438	.438	0	%100
86	M117	Z	.253	.253	0	%100
87	MP4A	X	.536	.536	0	%100
88	MP4A	Z	.309	.309	0	%100
89	MP2C	X	.648	.648	0	%100
90	MP2C	Z	.374	.374	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
91	MP3C	X	.536	.536	0	%100
92	MP3C	Z	.309	.309	0	%100
93	MP1C	X	.536	.536	0	%100
94	MP1C	Z	.309	.309	0	%100
95	MP4C	X	.536	.536	0	%100
96	MP4C	Z	.309	.309	0	%100
97	MP2B	X	.648	.648	0	%100
98	MP2B	Z	.374	.374	0	%100
99	MP3B	X	.536	.536	0	%100
100	MP3B	Z	.309	.309	0	%100
101	MP1B	X	.536	.536	0	%100
102	MP1B	Z	.309	.309	0	%100
103	MP4B	X	.536	.536	0	%100
104	MP4B	Z	.309	.309	0	%100
105	M102A	X	.162	.162	0	%100
106	M102A	Z	.094	.094	0	%100
107	M106	X	.162	.162	0	%100
108	M106	Z	.094	.094	0	%100
109	M107	X	.648	.648	0	%100
110	M107	Z	.374	.374	0	%100
111	M123	X	.218	.218	0	%100
112	M123	Z	.126	.126	0	%100
113	M121	X	.871	.871	0	%100
114	M121	Z	.503	.503	0	%100
115	M124	X	.218	.218	0	%100
116	M124	Z	.126	.126	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	M1	X	.331	.331	0	%100
2	M1	Z	.574	.574	0	%100
3	M4	X	.116	.116	0	%100
4	M4	Z	.2	.2	0	%100
5	M10	X	.294	.294	0	%100
6	M10	Z	.509	.509	0	%100
7	MP2A	X	.374	.374	0	%100
8	MP2A	Z	.648	.648	0	%100
9	MP3A	X	.309	.309	0	%100
10	MP3A	Z	.536	.536	0	%100
11	MP1A	X	.309	.309	0	%100
12	MP1A	Z	.536	.536	0	%100
13	M43	X	.294	.294	0	%100
14	M43	Z	.509	.509	0	%100
15	M46	X	.586	.586	0	%100
16	M46	Z	1.015	1.015	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	.325	.325	0	%100
20	M52B	Z	.564	.564	0	%100
21	M76	X	.195	.195	0	%100
22	M76	Z	.338	.338	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	.195	.195	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
28	M84	Z	.338	.338	0	%100
29	M85	X	.597	.597	0	%100
30	M85	Z	1.034	1.034	0	%100
31	M91	X	.629	.629	0	%100
32	M91	Z	1.089	1.089	0	%100
33	M52A	X	.463	.463	0	%100
34	M52A	Z	.802	.802	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	.325	.325	0	%100
42	M58A	Z	.564	.564	0	%100
43	M59A	X	.325	.325	0	%100
44	M59A	Z	.564	.564	0	%100
45	M63	X	.781	.781	0	%100
46	M63	Z	1.353	1.353	0	%100
47	M64	X	.597	.597	0	%100
48	M64	Z	1.034	1.034	0	%100
49	M66	X	.629	.629	0	%100
50	M66	Z	1.089	1.089	0	%100
51	M68	X	.781	.781	0	%100
52	M68	Z	1.353	1.353	0	%100
53	M69	X	.597	.597	0	%100
54	M69	Z	1.034	1.034	0	%100
55	M71	X	.629	.629	0	%100
56	M71	Z	1.089	1.089	0	%100
57	M76A	X	.116	.116	0	%100
58	M76A	Z	.2	.2	0	%100
59	M77A	X	.294	.294	0	%100
60	M77A	Z	.509	.509	0	%100
61	M78	X	.294	.294	0	%100
62	M78	Z	.509	.509	0	%100
63	M79A	X	.586	.586	0	%100
64	M79A	Z	1.015	1.015	0	%100
65	M82	X	.325	.325	0	%100
66	M82	Z	.564	.564	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	.195	.195	0	%100
70	M87	Z	.338	.338	0	%100
71	M88A	X	.597	.597	0	%100
72	M88A	Z	1.034	1.034	0	%100
73	M90	X	.629	.629	0	%100
74	M90	Z	1.089	1.089	0	%100
75	M92A	X	.195	.195	0	%100
76	M92A	Z	.338	.338	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	.331	.331	0	%100
84	M91B	Z	.574	.574	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
85	M117	X	.253	.253	0	%100
86	M117	Z	.438	.438	0	%100
87	MP4A	X	.309	.309	0	%100
88	MP4A	Z	.536	.536	0	%100
89	MP2C	X	.374	.374	0	%100
90	MP2C	Z	.648	.648	0	%100
91	MP3C	X	.309	.309	0	%100
92	MP3C	Z	.536	.536	0	%100
93	MP1C	X	.309	.309	0	%100
94	MP1C	Z	.536	.536	0	%100
95	MP4C	X	.309	.309	0	%100
96	MP4C	Z	.536	.536	0	%100
97	MP2B	X	.374	.374	0	%100
98	MP2B	Z	.648	.648	0	%100
99	MP3B	X	.309	.309	0	%100
100	MP3B	Z	.536	.536	0	%100
101	MP1B	X	.309	.309	0	%100
102	MP1B	Z	.536	.536	0	%100
103	MP4B	X	.309	.309	0	%100
104	MP4B	Z	.536	.536	0	%100
105	M102A	X	.281	.281	0	%100
106	M102A	Z	.486	.486	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	.281	.281	0	%100
110	M107	Z	.486	.486	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	.377	.377	0	%100
114	M121	Z	.653	.653	0	%100
115	M124	X	.377	.377	0	%100
116	M124	Z	.653	.653	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	M1	X	0	0	0	%100
2	M1	Z	.883	.883	0	%100
3	M4	X	0	0	0	%100
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	.783	.783	0	%100
7	MP2A	X	0	0	0	%100
8	MP2A	Z	.749	.749	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.618	.618	0	%100
11	MP1A	X	0	0	0	%100
12	MP1A	Z	.618	.618	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	.783	.783	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	1.562	1.562	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	.217	.217	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	.217	.217	0	%100
21	M76	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
22	M76	Z	0	0	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	.398	.398	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	.419	.419	0	%100
27	M84	X	0	0	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	.398	.398	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	.419	.419	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	.694	.694	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	.196	.196	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	.196	.196	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	.391	.391	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	.217	.217	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	.868	.868	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	1.172	1.172	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	.398	.398	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	.419	.419	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	1.172	1.172	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	1.591	1.591	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	1.676	1.676	0	%100
57	M76A	X	0	0	0	%100
58	M76A	Z	.694	.694	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	.196	.196	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	.196	.196	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	.391	.391	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	.868	.868	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	.217	.217	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	1.172	1.172	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	1.591	1.591	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	1.676	1.676	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	1.172	1.172	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	.398	.398	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
79	M95	X	0	0	0	%100
80	M95	Z	.419	.419	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	.221	.221	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	.221	.221	0	%100
85	M117	X	0	0	0	%100
86	M117	Z	.506	.506	0	%100
87	MP4A	X	0	0	0	%100
88	MP4A	Z	.618	.618	0	%100
89	MP2C	X	0	0	0	%100
90	MP2C	Z	.749	.749	0	%100
91	MP3C	X	0	0	0	%100
92	MP3C	Z	.618	.618	0	%100
93	MP1C	X	0	0	0	%100
94	MP1C	Z	.618	.618	0	%100
95	MP4C	X	0	0	0	%100
96	MP4C	Z	.618	.618	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.749	.749	0	%100
99	MP3B	X	0	0	0	%100
100	MP3B	Z	.618	.618	0	%100
101	MP1B	X	0	0	0	%100
102	MP1B	Z	.618	.618	0	%100
103	MP4B	X	0	0	0	%100
104	MP4B	Z	.618	.618	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	.749	.749	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	.187	.187	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	.187	.187	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	.251	.251	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	.251	.251	0	%100
115	M124	X	0	0	0	%100
116	M124	Z	1.005	1.005	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	M1	X	-.331	-.331	0	%100
2	M1	Z	.574	.574	0	%100
3	M4	X	-.116	-.116	0	%100
4	M4	Z	.2	.2	0	%100
5	M10	X	-.294	-.294	0	%100
6	M10	Z	.509	.509	0	%100
7	MP2A	X	-.374	-.374	0	%100
8	MP2A	Z	.648	.648	0	%100
9	MP3A	X	-.309	-.309	0	%100
10	MP3A	Z	.536	.536	0	%100
11	MP1A	X	-.309	-.309	0	%100
12	MP1A	Z	.536	.536	0	%100
13	M43	X	-.294	-.294	0	%100
14	M43	Z	.509	.509	0	%100
15	M46	X	-.586	-.586	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
16	M46	Z	1.015	1.015	0	%100
17	M51B	X	-.325	-.325	0	%100
18	M51B	Z	.564	.564	0	%100
19	M52B	X	0	0	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-.195	-.195	0	%100
22	M76	Z	.338	.338	0	%100
23	M77	X	-.597	-.597	0	%100
24	M77	Z	1.034	1.034	0	%100
25	M80	X	-.629	-.629	0	%100
26	M80	Z	1.089	1.089	0	%100
27	M84	X	-.195	-.195	0	%100
28	M84	Z	.338	.338	0	%100
29	M85	X	0	0	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	0	0	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.116	-.116	0	%100
34	M52A	Z	.2	.2	0	%100
35	M53	X	-.294	-.294	0	%100
36	M53	Z	.509	.509	0	%100
37	M54	X	-.294	-.294	0	%100
38	M54	Z	.509	.509	0	%100
39	M55	X	-.586	-.586	0	%100
40	M55	Z	1.015	1.015	0	%100
41	M58A	X	0	0	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	-.325	-.325	0	%100
44	M59A	Z	.564	.564	0	%100
45	M63	X	-.195	-.195	0	%100
46	M63	Z	.338	.338	0	%100
47	M64	X	0	0	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	0	0	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.195	-.195	0	%100
52	M68	Z	.338	.338	0	%100
53	M69	X	-.597	-.597	0	%100
54	M69	Z	1.034	1.034	0	%100
55	M71	X	-.629	-.629	0	%100
56	M71	Z	1.089	1.089	0	%100
57	M76A	X	-.463	-.463	0	%100
58	M76A	Z	.802	.802	0	%100
59	M77A	X	0	0	0	%100
60	M77A	Z	0	0	0	%100
61	M78	X	0	0	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	0	0	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	-.325	-.325	0	%100
66	M82	Z	.564	.564	0	%100
67	M83A	X	-.325	-.325	0	%100
68	M83A	Z	.564	.564	0	%100
69	M87	X	-.781	-.781	0	%100
70	M87	Z	1.353	1.353	0	%100
71	M88A	X	-.597	-.597	0	%100
72	M88A	Z	1.034	1.034	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
73	M90	X	-.629	-.629	0	%100
74	M90	Z	1.089	1.089	0	%100
75	M92A	X	-.781	-.781	0	%100
76	M92A	Z	1.353	1.353	0	%100
77	M93	X	-.597	-.597	0	%100
78	M93	Z	1.034	1.034	0	%100
79	M95	X	-.629	-.629	0	%100
80	M95	Z	1.089	1.089	0	%100
81	M82A	X	-.331	-.331	0	%100
82	M82A	Z	.574	.574	0	%100
83	M91B	X	0	0	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	-.253	-.253	0	%100
86	M117	Z	.438	.438	0	%100
87	MP4A	X	-.309	-.309	0	%100
88	MP4A	Z	.536	.536	0	%100
89	MP2C	X	-.374	-.374	0	%100
90	MP2C	Z	.648	.648	0	%100
91	MP3C	X	-.309	-.309	0	%100
92	MP3C	Z	.536	.536	0	%100
93	MP1C	X	-.309	-.309	0	%100
94	MP1C	Z	.536	.536	0	%100
95	MP4C	X	-.309	-.309	0	%100
96	MP4C	Z	.536	.536	0	%100
97	MP2B	X	-.374	-.374	0	%100
98	MP2B	Z	.648	.648	0	%100
99	MP3B	X	-.309	-.309	0	%100
100	MP3B	Z	.536	.536	0	%100
101	MP1B	X	-.309	-.309	0	%100
102	MP1B	Z	.536	.536	0	%100
103	MP4B	X	-.309	-.309	0	%100
104	MP4B	Z	.536	.536	0	%100
105	M102A	X	-.281	-.281	0	%100
106	M102A	Z	.486	.486	0	%100
107	M106	X	-.281	-.281	0	%100
108	M106	Z	.486	.486	0	%100
109	M107	X	0	0	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-.377	-.377	0	%100
112	M123	Z	.653	.653	0	%100
113	M121	X	0	0	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	-.377	-.377	0	%100
116	M124	Z	.653	.653	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	M1	X	-.191	-.191	0	%100
2	M1	Z	.11	.11	0	%100
3	M4	X	-.601	-.601	0	%100
4	M4	Z	.347	.347	0	%100
5	M10	X	-.17	-.17	0	%100
6	M10	Z	.098	.098	0	%100
7	MP2A	X	-.648	-.648	0	%100
8	MP2A	Z	.374	.374	0	%100
9	MP3A	X	-.536	-.536	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
10	MP3A	Z	.309	.309	0	%100
11	MP1A	X	-.536	-.536	0	%100
12	MP1A	Z	.309	.309	0	%100
13	M43	X	-.17	-.17	0	%100
14	M43	Z	.098	.098	0	%100
15	M46	X	-.338	-.338	0	%100
16	M46	Z	.195	.195	0	%100
17	M51B	X	-.751	-.751	0	%100
18	M51B	Z	.434	.434	0	%100
19	M52B	X	-.188	-.188	0	%100
20	M52B	Z	.108	.108	0	%100
21	M76	X	-1.015	-1.015	0	%100
22	M76	Z	.586	.586	0	%100
23	M77	X	-1.378	-1.378	0	%100
24	M77	Z	.796	.796	0	%100
25	M80	X	-1.452	-1.452	0	%100
26	M80	Z	.838	.838	0	%100
27	M84	X	-1.015	-1.015	0	%100
28	M84	Z	.586	.586	0	%100
29	M85	X	-.345	-.345	0	%100
30	M85	Z	.199	.199	0	%100
31	M91	X	-.363	-.363	0	%100
32	M91	Z	.21	.21	0	%100
33	M52A	X	0	0	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-.678	-.678	0	%100
36	M53	Z	.392	.392	0	%100
37	M54	X	-.678	-.678	0	%100
38	M54	Z	.392	.392	0	%100
39	M55	X	-1.353	-1.353	0	%100
40	M55	Z	.781	.781	0	%100
41	M58A	X	-.188	-.188	0	%100
42	M58A	Z	.108	.108	0	%100
43	M59A	X	-.188	-.188	0	%100
44	M59A	Z	.108	.108	0	%100
45	M63	X	0	0	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-.345	-.345	0	%100
48	M64	Z	.199	.199	0	%100
49	M66	X	-.363	-.363	0	%100
50	M66	Z	.21	.21	0	%100
51	M68	X	0	0	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	-.345	-.345	0	%100
54	M69	Z	.199	.199	0	%100
55	M71	X	-.363	-.363	0	%100
56	M71	Z	.21	.21	0	%100
57	M76A	X	-.601	-.601	0	%100
58	M76A	Z	.347	.347	0	%100
59	M77A	X	-.17	-.17	0	%100
60	M77A	Z	.098	.098	0	%100
61	M78	X	-.17	-.17	0	%100
62	M78	Z	.098	.098	0	%100
63	M79A	X	-.338	-.338	0	%100
64	M79A	Z	.195	.195	0	%100
65	M82	X	-.188	-.188	0	%100
66	M82	Z	.108	.108	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
67	M83A	X	-.751	-.751	0	%100
68	M83A	Z	.434	.434	0	%100
69	M87	X	-1.015	-1.015	0	%100
70	M87	Z	.586	.586	0	%100
71	M88A	X	-.345	-.345	0	%100
72	M88A	Z	.199	.199	0	%100
73	M90	X	-.363	-.363	0	%100
74	M90	Z	.21	.21	0	%100
75	M92A	X	-1.015	-1.015	0	%100
76	M92A	Z	.586	.586	0	%100
77	M93	X	-1.378	-1.378	0	%100
78	M93	Z	.796	.796	0	%100
79	M95	X	-1.452	-1.452	0	%100
80	M95	Z	.838	.838	0	%100
81	M82A	X	-.765	-.765	0	%100
82	M82A	Z	.442	.442	0	%100
83	M91B	X	-.191	-.191	0	%100
84	M91B	Z	.11	.11	0	%100
85	M117	X	-.438	-.438	0	%100
86	M117	Z	.253	.253	0	%100
87	MP4A	X	-.536	-.536	0	%100
88	MP4A	Z	.309	.309	0	%100
89	MP2C	X	-.648	-.648	0	%100
90	MP2C	Z	.374	.374	0	%100
91	MP3C	X	-.536	-.536	0	%100
92	MP3C	Z	.309	.309	0	%100
93	MP1C	X	-.536	-.536	0	%100
94	MP1C	Z	.309	.309	0	%100
95	MP4C	X	-.536	-.536	0	%100
96	MP4C	Z	.309	.309	0	%100
97	MP2B	X	-.648	-.648	0	%100
98	MP2B	Z	.374	.374	0	%100
99	MP3B	X	-.536	-.536	0	%100
100	MP3B	Z	.309	.309	0	%100
101	MP1B	X	-.536	-.536	0	%100
102	MP1B	Z	.309	.309	0	%100
103	MP4B	X	-.536	-.536	0	%100
104	MP4B	Z	.309	.309	0	%100
105	M102A	X	-.162	-.162	0	%100
106	M102A	Z	.094	.094	0	%100
107	M106	X	-.648	-.648	0	%100
108	M106	Z	.374	.374	0	%100
109	M107	X	-.162	-.162	0	%100
110	M107	Z	.094	.094	0	%100
111	M123	X	-.871	-.871	0	%100
112	M123	Z	.503	.503	0	%100
113	M121	X	-.218	-.218	0	%100
114	M121	Z	.126	.126	0	%100
115	M124	X	-.218	-.218	0	%100
116	M124	Z	.126	.126	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	M1	X	0	0	0	%100
2	M1	Z	0	0	0	%100
3	M4	X	-.926	-.926	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
4	M4	Z	0	0	0	%100
5	M10	X	0	0	0	%100
6	M10	Z	0	0	0	%100
7	MP2A	X	-.749	-.749	0	%100
8	MP2A	Z	0	0	0	%100
9	MP3A	X	-.618	-.618	0	%100
10	MP3A	Z	0	0	0	%100
11	MP1A	X	-.618	-.618	0	%100
12	MP1A	Z	0	0	0	%100
13	M43	X	0	0	0	%100
14	M43	Z	0	0	0	%100
15	M46	X	0	0	0	%100
16	M46	Z	0	0	0	%100
17	M51B	X	-.651	-.651	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-.651	-.651	0	%100
20	M52B	Z	0	0	0	%100
21	M76	X	-1.562	-1.562	0	%100
22	M76	Z	0	0	0	%100
23	M77	X	-1.194	-1.194	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	-1.257	-1.257	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-1.562	-1.562	0	%100
28	M84	Z	0	0	0	%100
29	M85	X	-1.194	-1.194	0	%100
30	M85	Z	0	0	0	%100
31	M91	X	-1.257	-1.257	0	%100
32	M91	Z	0	0	0	%100
33	M52A	X	-.231	-.231	0	%100
34	M52A	Z	0	0	0	%100
35	M53	X	-.587	-.587	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	-.587	-.587	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	-1.172	-1.172	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-.651	-.651	0	%100
42	M58A	Z	0	0	0	%100
43	M59A	X	0	0	0	%100
44	M59A	Z	0	0	0	%100
45	M63	X	-.391	-.391	0	%100
46	M63	Z	0	0	0	%100
47	M64	X	-1.194	-1.194	0	%100
48	M64	Z	0	0	0	%100
49	M66	X	-1.257	-1.257	0	%100
50	M66	Z	0	0	0	%100
51	M68	X	-.391	-.391	0	%100
52	M68	Z	0	0	0	%100
53	M69	X	0	0	0	%100
54	M69	Z	0	0	0	%100
55	M71	X	0	0	0	%100
56	M71	Z	0	0	0	%100
57	M76A	X	-.231	-.231	0	%100
58	M76A	Z	0	0	0	%100
59	M77A	X	-.587	-.587	0	%100
60	M77A	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
61	M78	X	-.587	-.587	0	%100
62	M78	Z	0	0	0	%100
63	M79A	X	-1.172	-1.172	0	%100
64	M79A	Z	0	0	0	%100
65	M82	X	0	0	0	%100
66	M82	Z	0	0	0	%100
67	M83A	X	-.651	-.651	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-.391	-.391	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	0	0	0	%100
72	M88A	Z	0	0	0	%100
73	M90	X	0	0	0	%100
74	M90	Z	0	0	0	%100
75	M92A	X	-.391	-.391	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-1.194	-1.194	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	-1.257	-1.257	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	-.662	-.662	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-.662	-.662	0	%100
84	M91B	Z	0	0	0	%100
85	M117	X	-.506	-.506	0	%100
86	M117	Z	0	0	0	%100
87	MP4A	X	-.618	-.618	0	%100
88	MP4A	Z	0	0	0	%100
89	MP2C	X	-.749	-.749	0	%100
90	MP2C	Z	0	0	0	%100
91	MP3C	X	-.618	-.618	0	%100
92	MP3C	Z	0	0	0	%100
93	MP1C	X	-.618	-.618	0	%100
94	MP1C	Z	0	0	0	%100
95	MP4C	X	-.618	-.618	0	%100
96	MP4C	Z	0	0	0	%100
97	MP2B	X	-.749	-.749	0	%100
98	MP2B	Z	0	0	0	%100
99	MP3B	X	-.618	-.618	0	%100
100	MP3B	Z	0	0	0	%100
101	MP1B	X	-.618	-.618	0	%100
102	MP1B	Z	0	0	0	%100
103	MP4B	X	-.618	-.618	0	%100
104	MP4B	Z	0	0	0	%100
105	M102A	X	0	0	0	%100
106	M102A	Z	0	0	0	%100
107	M106	X	-.561	-.561	0	%100
108	M106	Z	0	0	0	%100
109	M107	X	-.561	-.561	0	%100
110	M107	Z	0	0	0	%100
111	M123	X	-.754	-.754	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	-.754	-.754	0	%100
114	M121	Z	0	0	0	%100
115	M124	X	0	0	0	%100
116	M124	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	M1	X	-.191	-.191	0	%100
2	M1	Z	-.11	-.11	0	%100
3	M4	X	-.601	-.601	0	%100
4	M4	Z	-.347	-.347	0	%100
5	M10	X	-.17	-.17	0	%100
6	M10	Z	-.098	-.098	0	%100
7	MP2A	X	-.648	-.648	0	%100
8	MP2A	Z	-.374	-.374	0	%100
9	MP3A	X	-.536	-.536	0	%100
10	MP3A	Z	-.309	-.309	0	%100
11	MP1A	X	-.536	-.536	0	%100
12	MP1A	Z	-.309	-.309	0	%100
13	M43	X	-.17	-.17	0	%100
14	M43	Z	-.098	-.098	0	%100
15	M46	X	-.338	-.338	0	%100
16	M46	Z	-.195	-.195	0	%100
17	M51B	X	-.188	-.188	0	%100
18	M51B	Z	-.108	-.108	0	%100
19	M52B	X	-.751	-.751	0	%100
20	M52B	Z	-.434	-.434	0	%100
21	M76	X	-1.015	-1.015	0	%100
22	M76	Z	-.586	-.586	0	%100
23	M77	X	-.345	-.345	0	%100
24	M77	Z	-.199	-.199	0	%100
25	M80	X	-.363	-.363	0	%100
26	M80	Z	-.21	-.21	0	%100
27	M84	X	-1.015	-1.015	0	%100
28	M84	Z	-.586	-.586	0	%100
29	M85	X	-1.378	-1.378	0	%100
30	M85	Z	-.796	-.796	0	%100
31	M91	X	-1.452	-1.452	0	%100
32	M91	Z	-.838	-.838	0	%100
33	M52A	X	-.601	-.601	0	%100
34	M52A	Z	-.347	-.347	0	%100
35	M53	X	-.17	-.17	0	%100
36	M53	Z	-.098	-.098	0	%100
37	M54	X	-.17	-.17	0	%100
38	M54	Z	-.098	-.098	0	%100
39	M55	X	-.338	-.338	0	%100
40	M55	Z	-.195	-.195	0	%100
41	M58A	X	-.751	-.751	0	%100
42	M58A	Z	-.434	-.434	0	%100
43	M59A	X	-.188	-.188	0	%100
44	M59A	Z	-.108	-.108	0	%100
45	M63	X	-1.015	-1.015	0	%100
46	M63	Z	-.586	-.586	0	%100
47	M64	X	-1.378	-1.378	0	%100
48	M64	Z	-.796	-.796	0	%100
49	M66	X	-1.452	-1.452	0	%100
50	M66	Z	-.838	-.838	0	%100
51	M68	X	-1.015	-1.015	0	%100
52	M68	Z	-.586	-.586	0	%100
53	M69	X	-.345	-.345	0	%100
54	M69	Z	-.199	-.199	0	%100
55	M71	X	-.363	-.363	0	%100
56	M71	Z	-.21	-.21	0	%100
57	M76A	X	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
58	M76A	Z	0	0	0	%100
59	M77A	X	-.678	-.678	0	%100
60	M77A	Z	-.392	-.392	0	%100
61	M78	X	-.678	-.678	0	%100
62	M78	Z	-.392	-.392	0	%100
63	M79A	X	-1.353	-1.353	0	%100
64	M79A	Z	-.781	-.781	0	%100
65	M82	X	-.188	-.188	0	%100
66	M82	Z	-.108	-.108	0	%100
67	M83A	X	-.188	-.188	0	%100
68	M83A	Z	-.108	-.108	0	%100
69	M87	X	0	0	0	%100
70	M87	Z	0	0	0	%100
71	M88A	X	-.345	-.345	0	%100
72	M88A	Z	-.199	-.199	0	%100
73	M90	X	-.363	-.363	0	%100
74	M90	Z	-.21	-.21	0	%100
75	M92A	X	0	0	0	%100
76	M92A	Z	0	0	0	%100
77	M93	X	-.345	-.345	0	%100
78	M93	Z	-.199	-.199	0	%100
79	M95	X	-.363	-.363	0	%100
80	M95	Z	-.21	-.21	0	%100
81	M82A	X	-.191	-.191	0	%100
82	M82A	Z	-.11	-.11	0	%100
83	M91B	X	-.765	-.765	0	%100
84	M91B	Z	-.442	-.442	0	%100
85	M117	X	-.438	-.438	0	%100
86	M117	Z	-.253	-.253	0	%100
87	MP4A	X	-.536	-.536	0	%100
88	MP4A	Z	-.309	-.309	0	%100
89	MP2C	X	-.648	-.648	0	%100
90	MP2C	Z	-.374	-.374	0	%100
91	MP3C	X	-.536	-.536	0	%100
92	MP3C	Z	-.309	-.309	0	%100
93	MP1C	X	-.536	-.536	0	%100
94	MP1C	Z	-.309	-.309	0	%100
95	MP4C	X	-.536	-.536	0	%100
96	MP4C	Z	-.309	-.309	0	%100
97	MP2B	X	-.648	-.648	0	%100
98	MP2B	Z	-.374	-.374	0	%100
99	MP3B	X	-.536	-.536	0	%100
100	MP3B	Z	-.309	-.309	0	%100
101	MP1B	X	-.536	-.536	0	%100
102	MP1B	Z	-.309	-.309	0	%100
103	MP4B	X	-.536	-.536	0	%100
104	MP4B	Z	-.309	-.309	0	%100
105	M102A	X	-.162	-.162	0	%100
106	M102A	Z	-.094	-.094	0	%100
107	M106	X	-.162	-.162	0	%100
108	M106	Z	-.094	-.094	0	%100
109	M107	X	-.648	-.648	0	%100
110	M107	Z	-.374	-.374	0	%100
111	M123	X	-.218	-.218	0	%100
112	M123	Z	-.126	-.126	0	%100
113	M121	X	-.871	-.871	0	%100
114	M121	Z	-.503	-.503	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
115	M124	X	-.218	-.218	0	%100
116	M124	Z	-.126	-.126	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	M1	X	-.331	-.331	0	%100
2	M1	Z	-.574	-.574	0	%100
3	M4	X	-.116	-.116	0	%100
4	M4	Z	-.2	-.2	0	%100
5	M10	X	-.294	-.294	0	%100
6	M10	Z	-.509	-.509	0	%100
7	MP2A	X	-.374	-.374	0	%100
8	MP2A	Z	-.648	-.648	0	%100
9	MP3A	X	-.309	-.309	0	%100
10	MP3A	Z	-.536	-.536	0	%100
11	MP1A	X	-.309	-.309	0	%100
12	MP1A	Z	-.536	-.536	0	%100
13	M43	X	-.294	-.294	0	%100
14	M43	Z	-.509	-.509	0	%100
15	M46	X	-.586	-.586	0	%100
16	M46	Z	-1.015	-1.015	0	%100
17	M51B	X	0	0	0	%100
18	M51B	Z	0	0	0	%100
19	M52B	X	-.325	-.325	0	%100
20	M52B	Z	-.564	-.564	0	%100
21	M76	X	-.195	-.195	0	%100
22	M76	Z	-.338	-.338	0	%100
23	M77	X	0	0	0	%100
24	M77	Z	0	0	0	%100
25	M80	X	0	0	0	%100
26	M80	Z	0	0	0	%100
27	M84	X	-.195	-.195	0	%100
28	M84	Z	-.338	-.338	0	%100
29	M85	X	-.597	-.597	0	%100
30	M85	Z	-1.034	-1.034	0	%100
31	M91	X	-.629	-.629	0	%100
32	M91	Z	-1.089	-1.089	0	%100
33	M52A	X	-.463	-.463	0	%100
34	M52A	Z	-.802	-.802	0	%100
35	M53	X	0	0	0	%100
36	M53	Z	0	0	0	%100
37	M54	X	0	0	0	%100
38	M54	Z	0	0	0	%100
39	M55	X	0	0	0	%100
40	M55	Z	0	0	0	%100
41	M58A	X	-.325	-.325	0	%100
42	M58A	Z	-.564	-.564	0	%100
43	M59A	X	-.325	-.325	0	%100
44	M59A	Z	-.564	-.564	0	%100
45	M63	X	-.781	-.781	0	%100
46	M63	Z	-1.353	-1.353	0	%100
47	M64	X	-.597	-.597	0	%100
48	M64	Z	-1.034	-1.034	0	%100
49	M66	X	-.629	-.629	0	%100
50	M66	Z	-1.089	-1.089	0	%100
51	M68	X	-.781	-.781	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
52	M68	Z	-1.353	-1.353	0	%100
53	M69	X	-.597	-.597	0	%100
54	M69	Z	-1.034	-1.034	0	%100
55	M71	X	-.629	-.629	0	%100
56	M71	Z	-1.089	-1.089	0	%100
57	M76A	X	-.116	-.116	0	%100
58	M76A	Z	-.2	-.2	0	%100
59	M77A	X	-.294	-.294	0	%100
60	M77A	Z	-.509	-.509	0	%100
61	M78	X	-.294	-.294	0	%100
62	M78	Z	-.509	-.509	0	%100
63	M79A	X	-.586	-.586	0	%100
64	M79A	Z	-1.015	-1.015	0	%100
65	M82	X	-.325	-.325	0	%100
66	M82	Z	-.564	-.564	0	%100
67	M83A	X	0	0	0	%100
68	M83A	Z	0	0	0	%100
69	M87	X	-.195	-.195	0	%100
70	M87	Z	-.338	-.338	0	%100
71	M88A	X	-.597	-.597	0	%100
72	M88A	Z	-1.034	-1.034	0	%100
73	M90	X	-.629	-.629	0	%100
74	M90	Z	-1.089	-1.089	0	%100
75	M92A	X	-.195	-.195	0	%100
76	M92A	Z	-.338	-.338	0	%100
77	M93	X	0	0	0	%100
78	M93	Z	0	0	0	%100
79	M95	X	0	0	0	%100
80	M95	Z	0	0	0	%100
81	M82A	X	0	0	0	%100
82	M82A	Z	0	0	0	%100
83	M91B	X	-.331	-.331	0	%100
84	M91B	Z	-.574	-.574	0	%100
85	M117	X	-.253	-.253	0	%100
86	M117	Z	-.438	-.438	0	%100
87	MP4A	X	-.309	-.309	0	%100
88	MP4A	Z	-.536	-.536	0	%100
89	MP2C	X	-.374	-.374	0	%100
90	MP2C	Z	-.648	-.648	0	%100
91	MP3C	X	-.309	-.309	0	%100
92	MP3C	Z	-.536	-.536	0	%100
93	MP1C	X	-.309	-.309	0	%100
94	MP1C	Z	-.536	-.536	0	%100
95	MP4C	X	-.309	-.309	0	%100
96	MP4C	Z	-.536	-.536	0	%100
97	MP2B	X	-.374	-.374	0	%100
98	MP2B	Z	-.648	-.648	0	%100
99	MP3B	X	-.309	-.309	0	%100
100	MP3B	Z	-.536	-.536	0	%100
101	MP1B	X	-.309	-.309	0	%100
102	MP1B	Z	-.536	-.536	0	%100
103	MP4B	X	-.309	-.309	0	%100
104	MP4B	Z	-.536	-.536	0	%100
105	M102A	X	-.281	-.281	0	%100
106	M102A	Z	-.486	-.486	0	%100
107	M106	X	0	0	0	%100
108	M106	Z	0	0	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
109	M107	X	-.281	-.281	0	%100
110	M107	Z	-.486	-.486	0	%100
111	M123	X	0	0	0	%100
112	M123	Z	0	0	0	%100
113	M121	X	-.377	-.377	0	%100
114	M121	Z	-.653	-.653	0	%100
115	M124	X	-.377	-.377	0	%100
116	M124	Z	-.653	-.653	0	%100

Member Distributed Loads (BLC 87 : BLC 39 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-1.661	-4.228	0	.832
2	M58A	Y	-4.228	-6.902	.832	1.665
3	M58A	Y	-6.902	-8.189	1.665	2.497
4	M58A	Y	-8.189	-6.545	2.497	3.329
5	M58A	Y	-6.545	-3.463	3.329	4.162
6	M59A	Y	-3.462	-6.573	0	.832
7	M59A	Y	-6.573	-8.26	.832	1.665
8	M59A	Y	-8.26	-7.044	1.665	2.497
9	M59A	Y	-7.044	-4.426	2.497	3.329
10	M59A	Y	-4.426	-1.884	3.329	4.162
11	M82	Y	-1.884	-4.426	0	.832
12	M82	Y	-4.426	-7.044	.832	1.665
13	M82	Y	-7.044	-8.26	1.665	2.497
14	M82	Y	-8.26	-6.573	2.497	3.329
15	M82	Y	-6.573	-3.462	3.329	4.162
16	M83A	Y	-3.463	-6.545	0	.832
17	M83A	Y	-6.545	-8.189	.832	1.665
18	M83A	Y	-8.189	-6.902	1.665	2.497
19	M83A	Y	-6.902	-4.228	2.497	3.329
20	M83A	Y	-4.228	-1.661	3.329	4.162
21	M51B	Y	-1.881	-4.429	0	.832
22	M51B	Y	-4.429	-7.041	.832	1.665
23	M51B	Y	-7.041	-8.256	1.665	2.497
24	M51B	Y	-8.256	-6.578	2.497	3.329
25	M51B	Y	-6.578	-3.469	3.329	4.162
26	M52B	Y	-3.463	-6.544	0	.832
27	M52B	Y	-6.544	-8.189	.832	1.665
28	M52B	Y	-8.189	-6.901	1.665	2.497
29	M52B	Y	-6.901	-4.226	2.497	3.329
30	M52B	Y	-4.226	-1.665	3.329	4.162

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-3.209	-8.168	0	.832
2	M58A	Y	-8.168	-13.332	.832	1.665
3	M58A	Y	-13.332	-15.818	1.665	2.497
4	M58A	Y	-15.818	-12.642	2.497	3.329
5	M58A	Y	-12.642	-6.69	3.329	4.162
6	M59A	Y	-6.687	-12.698	0	.832
7	M59A	Y	-12.698	-15.957	.832	1.665
8	M59A	Y	-15.957	-13.608	1.665	2.497
9	M59A	Y	-13.608	-8.55	2.497	3.329
10	M59A	Y	-8.55	-3.64	3.329	4.162
11	M82	Y	-3.64	-8.55	0	.832
12	M82	Y	-8.55	-13.608	.832	1.665

Member Distributed Loads (BLC 88 : BLC 40 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
13	M82	Y	-13.608	-15.957	1.665	2.497
14	M82	Y	-15.957	-12.698	2.497	3.329
15	M82	Y	-12.698	-6.687	3.329	4.162
16	M83A	Y	-6.69	-12.642	0	.832
17	M83A	Y	-12.642	-15.818	.832	1.665
18	M83A	Y	-15.818	-13.332	1.665	2.497
19	M83A	Y	-13.332	-8.168	2.497	3.329
20	M83A	Y	-8.168	-3.209	3.329	4.162
21	M51B	Y	-3.633	-8.556	0	.832
22	M51B	Y	-8.556	-13.602	.832	1.665
23	M51B	Y	-13.602	-15.947	1.665	2.497
24	M51B	Y	-15.947	-12.706	2.497	3.329
25	M51B	Y	-12.706	-6.702	3.329	4.162
26	M52B	Y	-6.689	-12.64	0	.832
27	M52B	Y	-12.64	-15.82	.832	1.665
28	M52B	Y	-15.82	-13.33	1.665	2.497
29	M52B	Y	-13.33	-8.164	2.497	3.329
30	M52B	Y	-8.164	-3.217	3.329	4.162

Member Distributed Loads (BLC 89 : BLC 84 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Y	-.073	-.186	0	.832
2	M58A	Y	-.186	-.304	.832	1.665
3	M58A	Y	-.304	-.361	1.665	2.497
4	M58A	Y	-.361	-.288	2.497	3.329
5	M58A	Y	-.288	-.153	3.329	4.162
6	M59A	Y	-.152	-.289	0	.832
7	M59A	Y	-.289	-.364	.832	1.665
8	M59A	Y	-.364	-.31	1.665	2.497
9	M59A	Y	-.31	-.195	2.497	3.329
10	M59A	Y	-.195	-.083	3.329	4.162
11	M82	Y	-.083	-.195	0	.832
12	M82	Y	-.195	-.31	.832	1.665
13	M82	Y	-.31	-.364	1.665	2.497
14	M82	Y	-.364	-.289	2.497	3.329
15	M82	Y	-.289	-.152	3.329	4.162
16	M83A	Y	-.153	-.288	0	.832
17	M83A	Y	-.288	-.361	.832	1.665
18	M83A	Y	-.361	-.304	1.665	2.497
19	M83A	Y	-.304	-.186	2.497	3.329
20	M83A	Y	-.186	-.073	3.329	4.162
21	M51B	Y	-.083	-.195	0	.832
22	M51B	Y	-.195	-.31	.832	1.665
23	M51B	Y	-.31	-.364	1.665	2.497
24	M51B	Y	-.364	-.29	2.497	3.329
25	M51B	Y	-.29	-.153	3.329	4.162
26	M52B	Y	-.153	-.288	0	.832
27	M52B	Y	-.288	-.361	.832	1.665
28	M52B	Y	-.361	-.304	1.665	2.497
29	M52B	Y	-.304	-.186	2.497	3.329
30	M52B	Y	-.186	-.073	3.329	4.162

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	Z	-.182	-.464	0	.832
2	M58A	Z	-.464	-.758	.832	1.665

Member Distributed Loads (BLC 90 : BLC 85 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
3	M58A	Z	-.758	-.899	1.665	2.497
4	M58A	Z	-.899	-.719	2.497	3.329
5	M58A	Z	-.719	-.38	3.329	4.162
6	M59A	Z	-.38	-.722	0	.832
7	M59A	Z	-.722	-.907	.832	1.665
8	M59A	Z	-.907	-.774	1.665	2.497
9	M59A	Z	-.774	-.486	2.497	3.329
10	M59A	Z	-.486	-.207	3.329	4.162
11	M82	Z	-.207	-.486	0	.832
12	M82	Z	-.486	-.774	.832	1.665
13	M82	Z	-.774	-.907	1.665	2.497
14	M82	Z	-.907	-.722	2.497	3.329
15	M82	Z	-.722	-.38	3.329	4.162
16	M83A	Z	-.38	-.719	0	.832
17	M83A	Z	-.719	-.899	.832	1.665
18	M83A	Z	-.899	-.758	1.665	2.497
19	M83A	Z	-.758	-.464	2.497	3.329
20	M83A	Z	-.464	-.182	3.329	4.162
21	M51B	Z	-.207	-.486	0	.832
22	M51B	Z	-.486	-.773	.832	1.665
23	M51B	Z	-.773	-.907	1.665	2.497
24	M51B	Z	-.907	-.722	2.497	3.329
25	M51B	Z	-.722	-.381	3.329	4.162
26	M52B	Z	-.38	-.719	0	.832
27	M52B	Z	-.719	-.899	.832	1.665
28	M52B	Z	-.899	-.758	1.665	2.497
29	M52B	Z	-.758	-.464	2.497	3.329
30	M52B	Z	-.464	-.183	3.329	4.162

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
1	M58A	X	.182	.464	0	.832
2	M58A	X	.464	.758	.832	1.665
3	M58A	X	.758	.899	1.665	2.497
4	M58A	X	.899	.719	2.497	3.329
5	M58A	X	.719	.38	3.329	4.162
6	M59A	X	.38	.722	0	.832
7	M59A	X	.722	.907	.832	1.665
8	M59A	X	.907	.774	1.665	2.497
9	M59A	X	.774	.486	2.497	3.329
10	M59A	X	.486	.207	3.329	4.162
11	M82	X	.207	.486	0	.832
12	M82	X	.486	.774	.832	1.665
13	M82	X	.774	.907	1.665	2.497
14	M82	X	.907	.722	2.497	3.329
15	M82	X	.722	.38	3.329	4.162
16	M83A	X	.38	.719	0	.832
17	M83A	X	.719	.899	.832	1.665
18	M83A	X	.899	.758	1.665	2.497
19	M83A	X	.758	.464	2.497	3.329
20	M83A	X	.464	.182	3.329	4.162
21	M51B	X	.207	.486	0	.832
22	M51B	X	.486	.773	.832	1.665
23	M51B	X	.773	.907	1.665	2.497
24	M51B	X	.907	.722	2.497	3.329
25	M51B	X	.722	.381	3.329	4.162

Member Distributed Loads (BLC 91 : BLC 86 Transient Area Loads) (Continued)

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
26	M52B	X	.38	.719	0	.832
27	M52B	X	.719	.899	.832	1.665
28	M52B	X	.899	.758	1.665	2.497
29	M52B	X	.758	.464	2.497	3.329
30	M52B	X	.464	.183	3.329	4.162

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.005
2	N139	N141	N118	N117	Y	Two Way	-.005
3	N87B	N87C	N6	N7	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.01
2	N139	N141	N118	N117	Y	Two Way	-.01
3	N87B	N87C	N6	N7	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Y	Two Way	-.000229
2	N139	N141	N118	N117	Y	Two Way	-.000229
3	N87B	N87C	N6	N7	Y	Two Way	-.000229

Member Area Loads (BLC 85 : Structure Eh (0 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	Z	Two Way	-.000571
2	N139	N141	N118	N117	Z	Two Way	-.000571
3	N87B	N87C	N6	N7	Z	Two Way	-.000571

Member Area Loads (BLC 86 : Structure Eh (90 Deg))

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N113	N111	N89	N90	X	Two Way	.000571
2	N139	N141	N118	N117	X	Two Way	.000571
3	N87B	N87C	N6	N7	X	Two Way	.000571

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [...	LC
1	N3	m...	729.078	10	2232.544	13	1974.868	1	4.672	13	1.295	4	.238	4
2		m...	-729.113	4	530.533	7	-2078.113	7	.278	7	-1.31	10	-.158	10
3	N87D	m...	1811.006	9	2287.472	21	1010.426	2	-.108	2	1.346	12	-.401	3
4		m...	-1904.702	3	577.66	3	-941.727	8	-2.288	21	-1.352	6	-4.221	21
5	N115	m...	1752.892	11	2390.123	17	1274.15	1	-.364	12	1.486	8	4.108	17
6		m...	-1659.439	5	639.438	11	-1237.266	7	-2.823	30	-1.487	2	.349	11
7	Totals:	m...	4105.881	10	6479.869	16	4183.33	1						
8		m...	-4105.88	4	2212.84	73	-4183.33	7						

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

	Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn	Eqn
1	M1	PIPE_...	.139	7.552	20	.055	4...		20	28250...	65205	5.749	5.749	...H1-...
2	M4	HSS4...	.291	0	13	.070	0	y	15	12465...	139518	16.181	16.181	...H1-...
3	M10	HSS4...	.157	2.375	14	.058	2...	y	14	13626...	139518	16.181	16.181	...H1-...
4	MP2A	PIPE_...	.232	4.188	9	.068	4...		6	37773...	50715	3.596	3.596	...H1-...
5	MP3A	PIPE_...	.266	4.188	5	.083	4...		2	20866...	32130	1.872	1.872	...H1-...
6	MP1A	PIPE_...	.181	4.188	9	.052	1...		6	20866...	32130	1.872	1.872	...H1-...
7	M43	HSS4...	.157	0	24	.051	0	y	24	13626...	139518	16.181	16.181	...H1-...
8	M46	PL1/2x6	.178	.516	12	.120	0	y	22	66009...	97200	1.012	12.15	...H1-...
9	M51B	L2x2x3	.138	4.162	2	.012	0	y	17	9823.1...	23392...	.558	1.095	...H2-1
10	M52B	L2x2x3	.129	4.162	12	.013	4...	y	21	9823.1...	23392...	.558	1.097	...H2-1
11	M76	PL3/8x6	.147	0	1	.174	0	y	18	70647...	72900	.57	9.113	...H1-...
12	M77	PL3/8x6	.278	.167	8	.439	0	y	14	71583...	72900	.57	9.113	...H1-...
13	M80	PL1/2x6	.067	.112	1	.084	0	y	11	96757...	97200	1.012	12.15	...H1-...
14	M84	PL3/8x6	.197	0	12	.268	0	y	20	70647...	72900	.57	9.113	...H1-...
15	M85	PL3/8x6	.257	.167	6	.430	0	y	24	71583...	72900	.57	9.113	...H1-...
16	M91	PL1/2x6	.070	.112	1	.090	....	y	9	96757...	97200	1.012	12.15	...H1-...
17	M52A	HSS4...	.299	0	21	.072	0	y	23	12465...	139518	16.181	16.181	...H1-...
18	M53	HSS4...	.161	2.375	22	.059	2...	y	22	13626...	139518	16.181	16.181	...H1-...
19	M54	HSS4...	.161	0	20	.053	0	y	20	13626...	139518	16.181	16.181	...H1-...
20	M55	PL1/2x6	.182	.516	8	.125	0	y	18	66009...	97200	1.012	12.15	...H1-...
21	M58A	L2x2x3	.140	4.162	10	.012	4...	y	13	9823.1...	23392...	.558	1.097	...H2-1
22	M59A	L2x2x3	.133	4.162	8	.013	4...	y	17	9823.1...	23392...	.558	1.095	...H2-1
23	M63	PL3/8x6	.148	.219	9	.174	0	y	14	70647...	72900	.57	9.113	...H1-...
24	M64	PL3/8x6	.281	.167	4	.450	0	y	22	71583...	72900	.57	9.113	...H1-...
25	M66	PL1/2x6	.064	.112	9	.094	0	y	7	96757...	97200	1.012	12.15	...H1-...
26	M68	PL3/8x6	.200	0	8	.276	0	y	16	70647...	72900	.57	9.113	...H1-...
27	M69	PL3/8x6	.265	.167	2	.443	0	y	20	71583...	72900	.57	9.113	...H1-...
28	M71	PL1/2x6	.070	.112	9	.096	....	y	5	96757...	97200	1.012	12.15	...H1-...
29	M76A	HSS4...	.305	0	19	.098	0	y	43	12465...	139518	16.181	16.181	...H1-...
30	M77A	HSS4...	.158	2.375	18	.059	2...	y	18	13626...	139518	16.181	16.181	...H1-...
31	M78	HSS4...	.158	0	16	.052	0	y	16	13626...	139518	16.181	16.181	...H1-...
32	M79A	PL1/2x6	.172	.516	4	.159	....	y	26	66009...	97200	1.012	12.15	...H1-...
33	M82	L2x2x3	.134	0	7	.012	0	y	21	9823.1...	23392...	.558	1.068	...H2-1
34	M83A	L2x2x3	.127	4.162	3	.013	4...	y	13	9823.1...	23392...	.558	1.069	...H2-1
35	M87	PL3/8x6	.138	0	5	.171	0	y	21	70647...	72900	.57	9.113	...H1-...
36	M88A	PL3/8x6	.253	.167	12	.445	0	y	19	71583...	72900	.57	9.113	...H1-...
37	M90	PL1/2x6	.058	.112	5	.169	0	y	27	96757...	97200	1.012	12.15	...H1-...
38	M92A	PL3/8x6	.188	0	4	.271	0	y	24	70647...	72900	.57	9.113	...H1-...
39	M93	PL3/8x6	.248	.167	10	.435	0	y	16	71583...	72900	.57	9.113	...H1-...
40	M95	PL1/2x6	.063	.112	5	.098	....	y	1	96757...	97200	1.012	12.15	...H1-...
41	M82A	PIPE_...	.135	7.552	16	.055	4...		14	28250...	65205	5.749	5.749	...H1-...
42	M91B	PIPE_...	.134	7.552	13	.055	4...		21	28250...	65205	5.749	5.749	...H1-...
43	M117	PIPE_...	.051	1.5	7	.042	1.5		4	28843...	32130	1.872	1.872	...H1-...
44	MP4A	PIPE_...	.218	4.188	5	.063	4...		3	20866...	32130	1.872	1.872	...H1-...
45	MP2C	PIPE_...	.237	3.688	6	.070	3...		2	37773...	50715	3.596	3.596	...H1-...
46	MP3C	PIPE_...	.284	3.688	1	.064	3...		3	20866...	32130	1.872	1.872	...H1-...
47	MP1C	PIPE_...	.175	3.688	5	.050	....		2	20866...	32130	1.872	1.872	...H1-...
48	MP4C	PIPE_...	.231	3.688	1	.057	1...		2	20866...	32130	1.872	1.872	...H1-...
49	MP2B	PIPE_...	.253	3.688	2	.065	3...		10	37773...	50715	3.596	3.596	...H1-...
50	MP3B	PIPE_...	.269	3.688	9	.062	3...		6	20866...	32130	1.872	1.872	...H1-...
51	MP1B	PIPE_...	.182	3.688	1	.047	3...		12	20866...	32130	1.872	1.872	...H1-...
52	MP4B	PIPE_...	.219	3.688	9	.050	3...		10	20866...	32130	1.872	1.872	...H1-...
53	M102A	PIPE_...	.129	3.906	8	.051	9...		2	14558...	50715	3.596	3.596	...H1-...
54	M106	PIPE_...	.117	3.906	5	.048	2...		2	14558...	50715	3.596	3.596	...H1-...
55	M107	PIPE_...	.129	3.906	1	.045	9...		6	14558...	50715	3.596	3.596	...H1-...
56	M123	L3X3X4	.213	2.832	7	.017	0	y	6	39060...	46656	1.688	3.756	...H2-1
57	M121	L3X3X4	.230	0	7	.019	0	y	2	39060...	46656	1.688	3.756	...H2-1

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

Member	Shape	Code Check	Loc[ft]	LC	Shear Check	L...	Dir	LC	phi*Pn...	phi*P...	phi*Mn y...	phi*Mn	Eqn
58	M124	L3X3X4	.196	0	3	.016	0	y	9	39060...	46656	1.688	3.756	...	H2-1

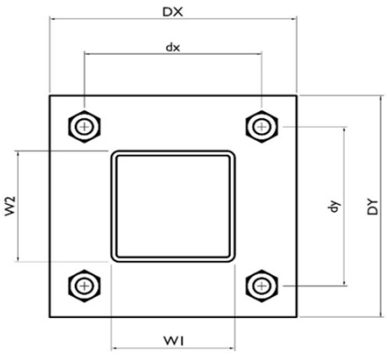
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	10/25/2023
Site Name:	NEWTOWN SE CT		
MDG #:	5000105407		
Fuze ID #:	17136768	Page:	1

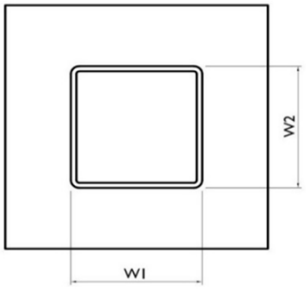
Version 1.01

I. Mount-to-Tower Connection Check

Custom Orientation Required	No
Tower Connection Bolt Checks	Yes
Bolt Orientation	Parallel
Bolt Quantity per Reaction:	4
d_x (in) *(Delta X of typ. bolt config. sketch)* :	7
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	7
Bolt Type:	A325N
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	4.3
Required Shear Strength / bolt (kips):	0.7
Tensile Capacity / bolt (kips):	20.7
Shear Capacity / bolt (kips):	12.4
Bolt Overall Utilization:	**20.8%**



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):	0.625
Length of Yield Line, L_y (in):	7.75
Bolt Eccentricity, e (in):	2.35
M_u (kip-in):	10.15
Phi*M_n (kip-in):	24.52
Plate Bending Utilization:	**41.4%**



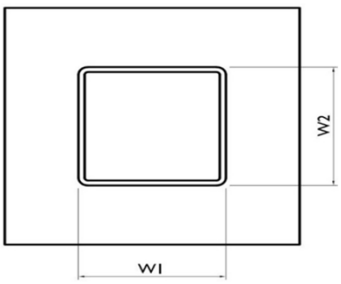
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	10/25/2023
Site Name:	NEWTOWN SE CT		
PSLC #:	5000105407		
Fuze ID #:	17136768	Page:	2

Version 1.01

Tower Connection Weld Checks	Yes

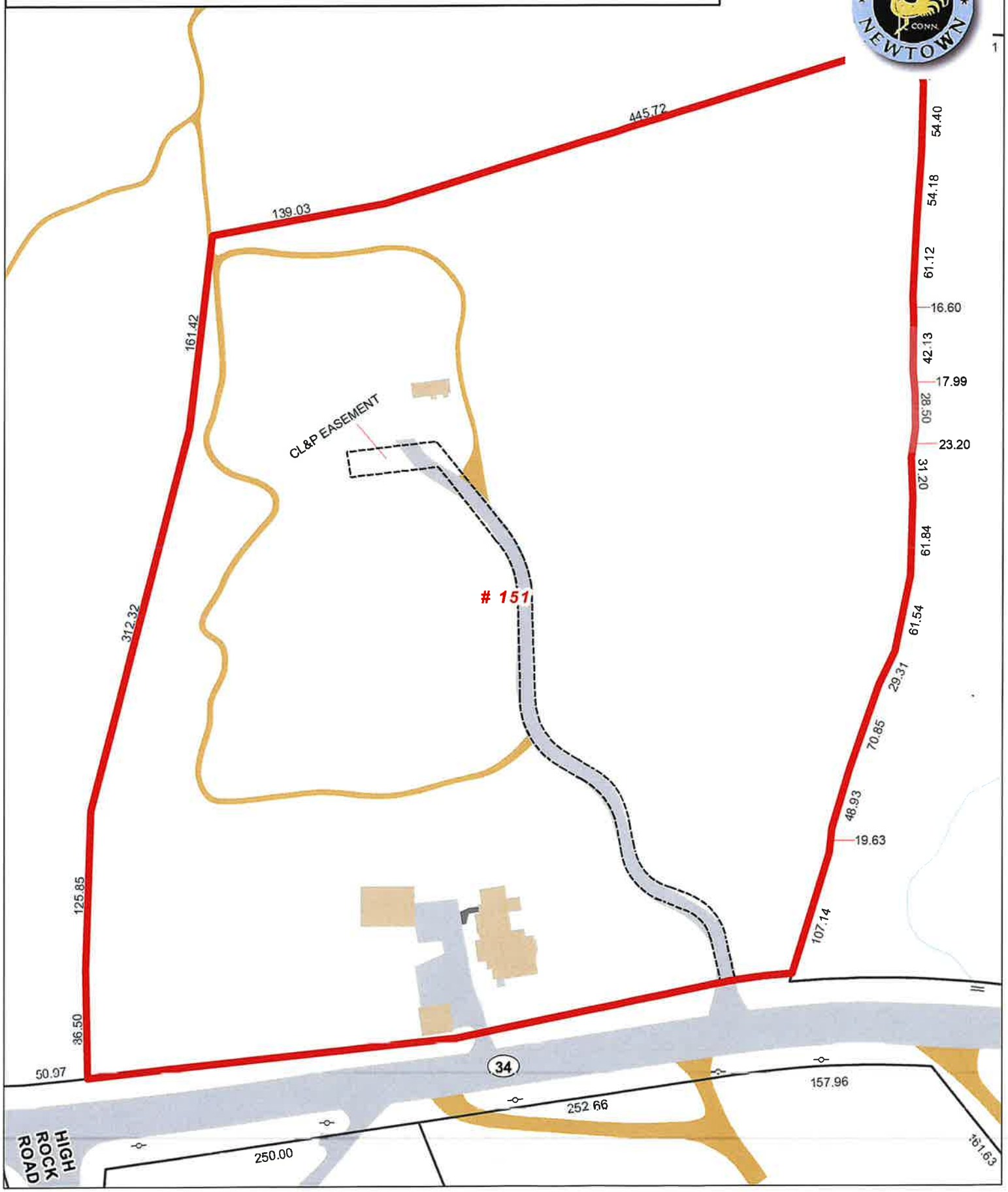
Weld Shape:	Rectangle
Weld Stiffener Configuration:	None
Weld Size (1/16 in):	4
W1 (in):	4
W2 (in):	4
Weld Total Length (in):	16.00
Z_x (in^3/in):	21.33
Z_y (in^3/in):	21.33
J_p (in^4/in):	85.33
c_x (in)	2.25
c_y (in)	2.25
Required combined strength (kip/in):	1.87
Weld Capacity (kip/in):	5.57
Weld Utilization:	**33.6%**



ATTACHMENT 4

Town of Newtown, Connecticut - Assessment Parcel Map

Parcel: 50-9-16 **Address:** 151 BERKSHIRE ROAD



Approximate Scale:

0 25 50 75 100 Feet

Disclaimer: This map is for informational purposes only. All information is subject to verification by any user. The Town of Newtown and its mapping contractors assume no legal responsibility for the

Map Produced Nov 2020

151 BERKSHIRE ROAD

Location	151 BERKSHIRE ROAD	**M/B/L**	50/ 9/ 16/ /
Acct#	00713000	**Owner**	HILL MARK ALLEN & ULIASZ MARNIE
Assessment	$410,410	**Appraisal**	$599,230
PID	7475	**Building Count**	1

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$433,920	$165,310	$599,230
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2022	$303,740	$106,670	$410,410

Owner of Record

Owner	HILL MARK ALLEN & ULIASZ MARNIE	**Sale Price**	$0
Co-Owner	JOINT TENANTS	**Book & Page**	1193/98
Address	151 BERKSHIRE ROAD SANDY HOOK, CT 06482	**Sale Date**	04/20/2022
		Instrument	33

Ownership History

Ownership History				
Owner	**Sale Price**	**Book & Page**	**Instrument**	**Sale Date**
HILL MARK ALLEN & ULIASZ MARNIE	$0	1193/98	33	04/20/2022
ULIASZ MARNIE & HILL TRACY	$0	1070/1063	04	09/02/2015
ULIAZ MARIE & HILL TRACY	$190,000	1060/0469	25	02/10/2015
SBA TOWERS V LLC	$675,000	1035/1004	38	07/29/2013
FRIEDMAN KEVIN D & KELLY KATHY	$0	0527/0870		12/25/2009

Building Information

Building 1 : Section 1

Year Built:	1900
Living Area:	3,114

Building Attributes

ATTACHMENT 5

Verizon/Newtown SE

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* 11/06/2023 US POSTAGE $003.19⁰
	Postmaster, per *(name of receiving employee)*		ZIP 06103 041L12203937

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Daniel Rosenthal, First Selectman Town of Newtown 3 Primrose Street Newtown, CT 06470				
2.	Rob Sibley, Director of Land Use Town of Newtown 3 Primrose Street Newtown, CT 06470				
3.	Mark Allen Hill and Marnie Uliasz 151 Berkshire Road Newtown, CT 06470				
4.					
5.					
6.					

HARTFORD, CT 06103 NOV - 6 2023 OLD STATE HOUSE POST OFFICE