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September 11, 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**
347 Riverside Drive, Thompson, 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 and Cellco's use of the tower was approved by the Siting Council ("Council") in August of 2008 (Docket No. 358). A copy of the Council's Docket No. 358 Decision and Order is included in Attachment 1.

Cellco's proposed modification involves the installation of two (2) 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 Thompson's Chief Elected Official and Land Use Officer.

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

1. The proposed 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:
Amy St. Onge, First Selectman
Tyra Penn-Gesek, Director of Planning and Zoning
Mary and Rene Santerre, Trustees, Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

DOCKET NO. 358 – MCF Communications bg, Inc. and Cellco Partnership d/b/a Verizon Wireless application for a Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility at one of two locations located at 347 Riverside Drive (Route 12)- Site A, and 407 Riverside Drive (Route 12)- Site B, Thompson, Connecticut	}	Connecticut Siting Council August 7, 2008

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, 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 MCF Communications bg, Inc. and Cellco Partnership d/b/a Verizon Wireless (Cellco), hereinafter referred to as the Certificate Holders, for a telecommunications facility at Site A, located at 347 Riverside Drive, Thompson, Connecticut. The Council denies certification of Site B, located at 407 Riverside Drive, Thompson, 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 Cellco and other entities, both public and private, but such tower shall not exceed a height of 140 feet above ground level. The height at the top of the antennas shall not exceed 140 feet above ground level.

2. The Certificate Holders 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 served on the Town of Thompson for comment, and all parties and intervenors as listed in the service list, and submitted to and approved by the Council prior to the commencement of facility construction and shall include:
    a) a final site plan(s) of site development to include specifications for the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line, and landscaping; and
    b) construction plans for site clearing, grading, landscaping, water drainage, and erosion and sedimentation controls consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as amended.

3. The Certificate Holders shall, prior to the commencement of operation, provide the Council worst-case modeling of the 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 Holders shall ensure a recalculated report of the electromagnetic radio frequency power density be submitted to the Council 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 Holders shall permit public or private entities to share space on the tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.

6. The Certificate Holders shall provide reasonable space on the tower for no compensation for any Town of Thompson public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.

7. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed and providing wireless services within eighteen months from the date of the mailing of the Council's Findings of Fact, Opinion, and Decision and Order (collectively called "Final Decision"), this Decision and Order shall be void, and the Certificate Holders 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. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline.

8. Any request for extension of the time period referred to in Condition 7 shall be filed with the Council not later than 60 days prior to the expiration date of this Certificate and shall be served on all parties and intervenors, as listed in the service list, and the Town of Thompson. Any proposed modifications to this Decision and Order shall likewise be so served.

9. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holders 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.

10. The Certificate Holders shall remove any nonfunctioning antenna, and associated antenna equipment, within 60 days of the date the antenna ceased to function.

11. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holders shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holders shall provide the Council with written notice of the completion of site construction and the commencement of site operation.

Pursuant to General Statutes § 16-50p, the Council hereby directs 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 Norwich Bulletin.

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	**Representatives**
MCF Communications bg, Inc. and Cellco Partnership d/b/a Verizon Wireless	Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, Connecticut 06103-3597 (860) 275-8200 kbalwin@rc.com Brad Gannon MCF Communications bg, Inc. 733 Turnpike Street, Suite 105 North Andover, MA 01845 Sandy Carter, Regulatory Manager Verizon Wireless 99 East River Drive East Hartford, CT 06108 alexandria.carter@verizonwireless.com
Intervenor	**Representative**
Thompson Hills West Condominium Association	Richard W. Thunberg Jr. Board President Thompson Hills West Condominium Association Board of Trustee's 13 Westside Drive, Suite 92 North Grosvenordale, CT 06255 (860) 923-1919 WThunberg@aol.com

ATTACHMENT 2

BSF0020F3V1-1

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

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

FEATURES

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

TECHNICAL SPECIFICATIONS

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

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

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

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

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

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

ORDERING INFORMATION

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

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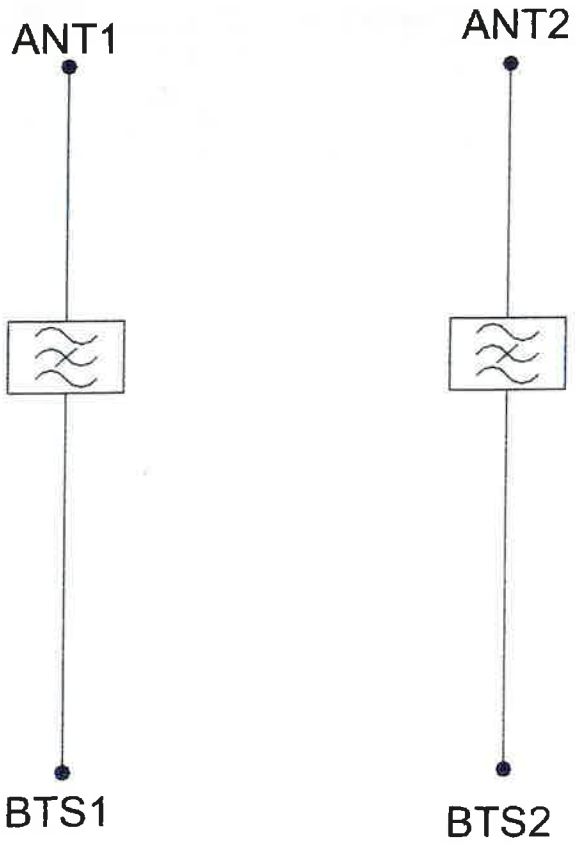
ELECTRICAL BLOCK DIAGRAM



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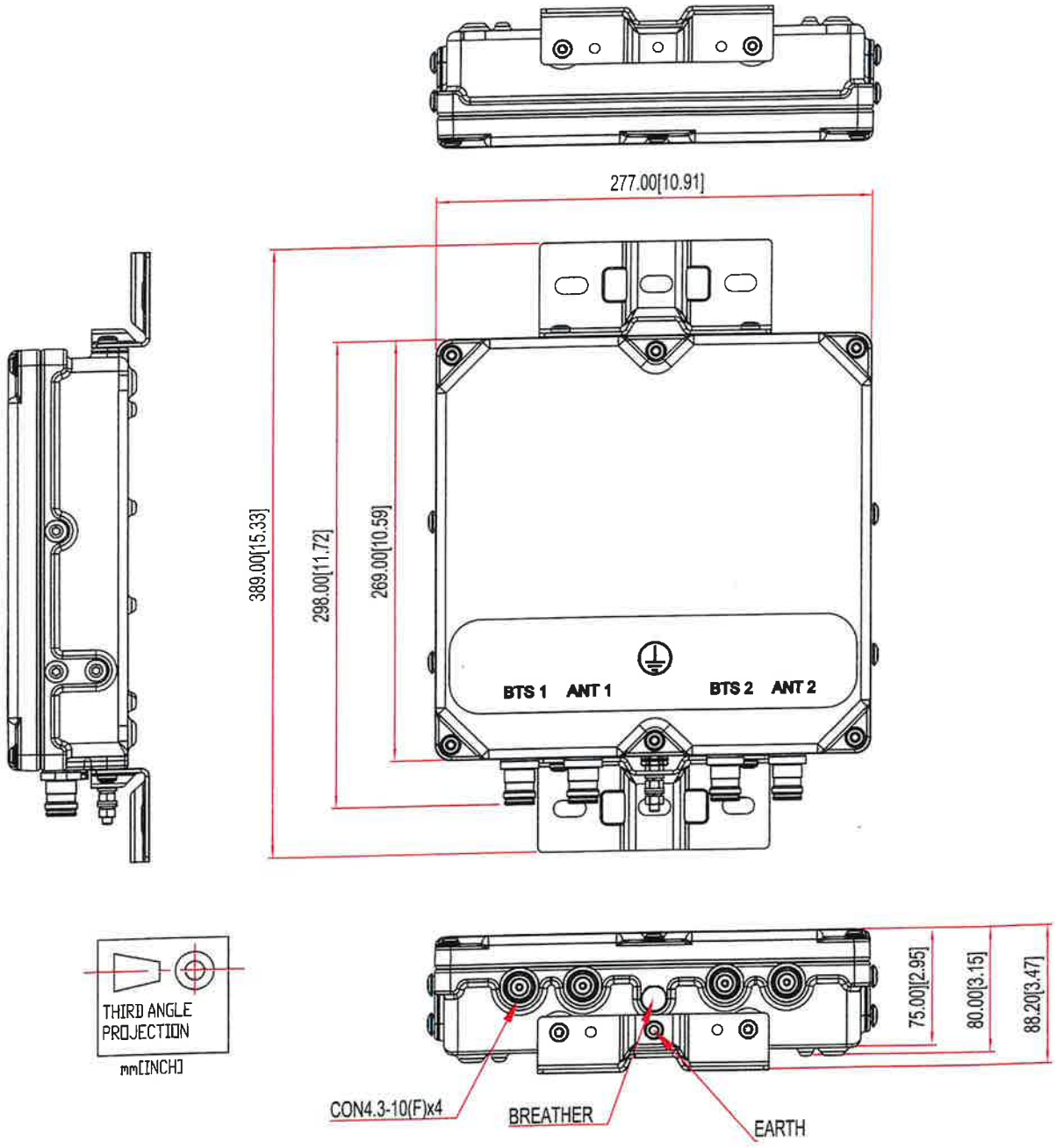
MECHANICAL BLOCK DIAGRAM



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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: 5000055445 / Thompson 2 CT
Application #: 233788, v1

SBA Site ID / Name: CT28285-A / Thompson 3 CT

139 ft Monopole

347 Riverside Drive
North Grosvenordale, Connecticut 06255
Lat: 41.953194, Long: -71.883631

Project number: CT28285-VZW-080423

Analysis Results

Tower	40.8%	Pass
Foundation	31.0%	Pass

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

Prepared by:

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Structural Engineer I
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Reviewed by:

Anantha (Shan) Shanubhogue, P.E.
Senior Manager, Structural Engineering
561-984-7390
SShanubhogue@sbasite.com

August 9, 2023

STATE OF CONNECTICUT
ANANTHA B SHANUBHOGUE
33123
LICENSED
PROFESSIONAL ENGINEER

08/09/23

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Coax Layout .....
TESPole Report .....
Foundation Analysis Report .....

Introduction

The purpose of this report is to summarize the analysis results on the 139 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	Davinci Job # 08243-1920, dated 12/30/2008
Foundation drawings	Davinci Job # 08243-1920, dated 12/30/2008
Geotechnical report	Subsurface Drilling & Remediation Co. Project name: D&R Masonry. Dated 09/24/2008 (Boring Log) Geotechnical parameters taken from original design calculations.
Modification drawings	N/A
Mount Analysis	Colliers Engineering & Design CT, PC Project #: 23777167, dated 07/24/2023
Latest SA	PJF Project A42921-0009.002.7805_Revised Loading, dated 09/10/2021

Analysis Criteria

Table 2 Code Related Data

Jurisdiction (State/County/City)	Connecticut/WINDHAM/North Grosvenordale
Governing Codes	ANSI/TIA/EIA 222-H, 2021 IBC, 2022 CSBC
Ultimate Wind Speed (3-Sec gust)	120.0 mph
Wind Speed with Ice (3-Sec gust)	50 mph
Service Wind Speed (3-Sec gust)	60 mph
Ice Thickness	1.00"
Risk Category	II
Exposure Category	C
Topographic Category	1
Crest Height	0 ft
Ground Elevation	332.65 ft.
Seismic Parameter S_s	0.184
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	137.0	3	Andrew LNX-6514DS-A1M - Panel	LPP w/ handrail, (3) Dual antennas mount [Commscope BSAMNT-SBS-2-2]	(6) 1 5/8" (2) 1 5/8" Hybrid (1) 1/2"	Verizon
2		3	Samsung MT6407-77A - Panel			
3		6	Andrew SBNHH-1D65B - Panel			
4		3	Samsung B2/B66A RRH-BR049			
5		3	Samsung B5/B13 RRH-BR04C			
6		2	Raycap RC3DC-3315-PF-48			

Proposed Loading:

Information pertaining to proposed antennas and transmission lines were based upon the Application #: 233788, v1 from Verizon and is listed in Table 4.

Table 4 Proposed Appurtenances

Items	Elevation (ft)	Qty.	Antenna Descriptions	Mount Type & Qty.	Transmission Lines	Owner
1	137.0	3	Andrew LNX-6514DS-A1M - Panel	LPP w/ handrail, (3) Dual antennas mount [Commscope BSAMNT-SBS-2-2]	(6) 1 5/8" (2) 1 5/8" Hybrid (1) 1/2"	Verizon
2		3	Samsung MT6407-77A - Panel			
3		6	Andrew SBNHH-1D65B - Panel			
4		3	Samsung B2/B66A RRH-BR049			
5		3	Samsung B5/B13 RRH-BR04C			
6		2	Raycap RC3DC-3315-PF-48			
7		2	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 Bolts
Max. Usage:	31.4%	33.1%	24.4%	40.8%
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	31.0%	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 31.36% at 0.0ft

Structure:	CT28285-A	**Code:**	EIA/TIA-222-H	8/9/2023
Site Name:	Thompson 3 CT	**Exposure:**	C	
Height:	139.00 (ft)	**Gh:**	1.1	
Base Elev:	0.000 (ft)			Page: 1

SBA

Dead Load Factor:	1.20	**Iterations:**	21
Wind Load Factor:	1.00		

Load Case : 1.2D + 1.0W 120 mph Wind

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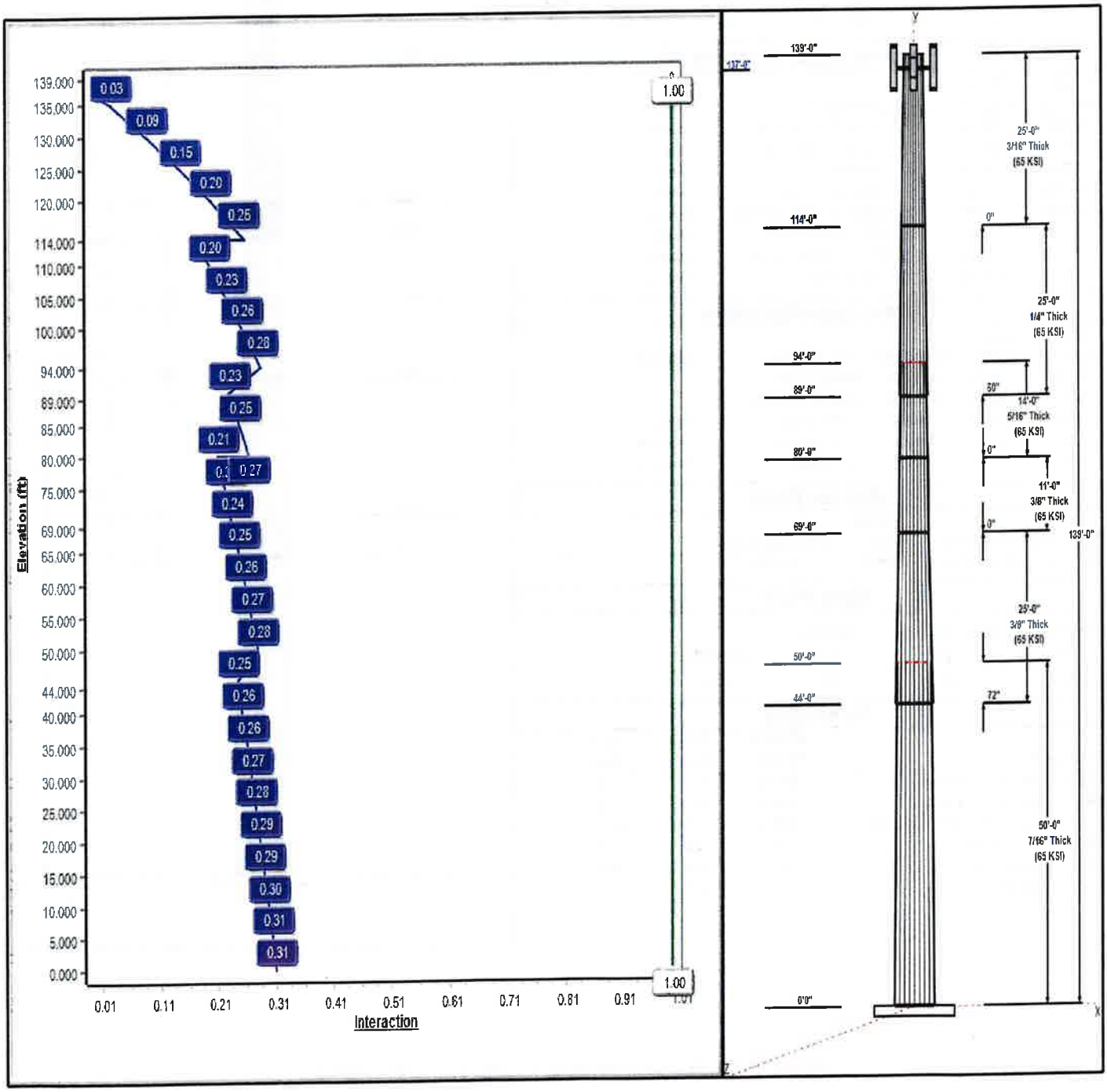


Structure: CT28285-A

Type: Tapered
Site Name: Thompson 3 CT
Height: 139.00 (ft)
Base Elev: 0.00 (ft)

Base Shape: 18 Sided
Taper: 0.23655

8/9/2023

Shaft Properties

Seq	Length (ft)	Top (in)	Bottom (in)	Thick (in)	Joint Type	Taper	Grade (ksi)
1	50.00	43.80	55.63	0.438		0.23655	65
2	25.00	40.06	45.97	0.375	Slip	0.23655	65
3	11.00	37.46	40.06	0.375	Butt	0.23655	65
4	14.00	34.14	37.46	0.313	Butt	0.23655	65
5	25.00	29.91	35.83	0.250	Slip	0.23655	65
6	25.00	24.00	29.91	0.188	Butt	0.23655	65

Discrete Appurtenances

Attach Elev (ft)	Force Elev (ft)	Qty	Description	Carrier
137.00	137.00	1	Low profile platform	Verizon
137.00	137.00	3	LNX-6514DS-A1M	Verizon
137.00	137.00	3	MT6407-77A	Verizon
137.00	137.00	6	SBNHH-1D65B	Verizon
137.00	137.00	3	B2/B66A RRH-BR049	Verizon
137.00	137.00	3	B5/B13 RRH-BR04C	Verizon
137.00	137.00	2	RC3DC-3315-PF-48	Verizon
137.00	137.00	2	Kaelus KA-6030	Verizon

Linear Appurtenances

Elev From (ft)	Elev To (ft)	Placement	Description	Carrier
0.00	139.00	Outside	Safety Cable	
0.00	139.00	Outside	Step bolts (ladder)	
0.00	137.00	Inside	1 5/8" Coax	Verizon
0.00	137.00	Inside	1 5/8" Hybrid	Verizon
0.00	137.00	Inside	1/2" Coax	Verizon

Anchor Bolts

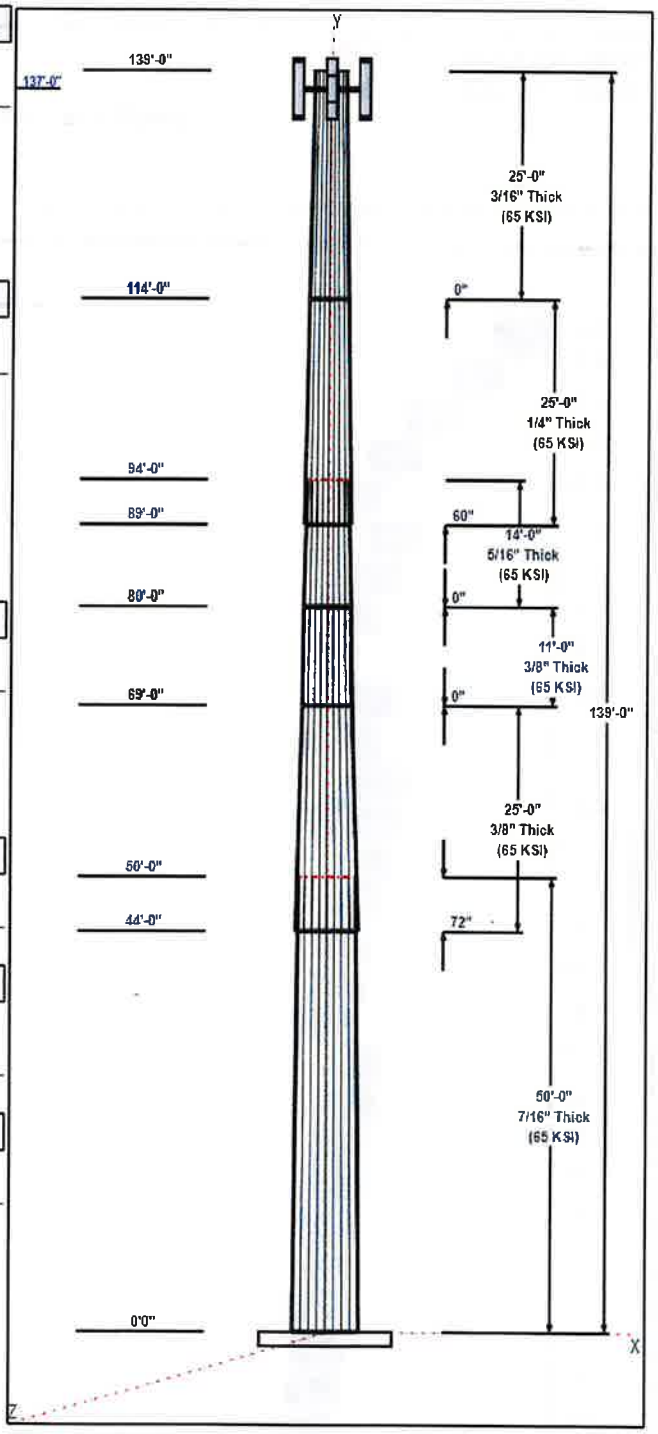
Qty	Specifications	Grade (ksi)	Arrangement
18	2.00" F1554 105	105.0	Radial

Base Plate

Thickness (in)	Specifications (in)	Grade (ksi)	Geometry
2.5000	68.0	50.0	Round

Reactions

Load Case	Moment (FT-Kips)	Shear (Kips)	Axial (Kips)
1.2D + 1.0W 120 mph Wind	1844.6	20.5	33.2
0.9D + 1.0W 120 mph Wind	1836.5	20.5	24.9
1.2D + 1.0Di + 1.0Wi 50 mph Wind	495.5	5.7	44.1
1.2D + 1.0Ev + 1.0Eh	101.5	0.9	34.3
0.9D + 1.0Ev + 1.0Eh	101.2	0.9	26.0
1.0D + 1.0W 60 mph Wind	411.5	4.6	27.6



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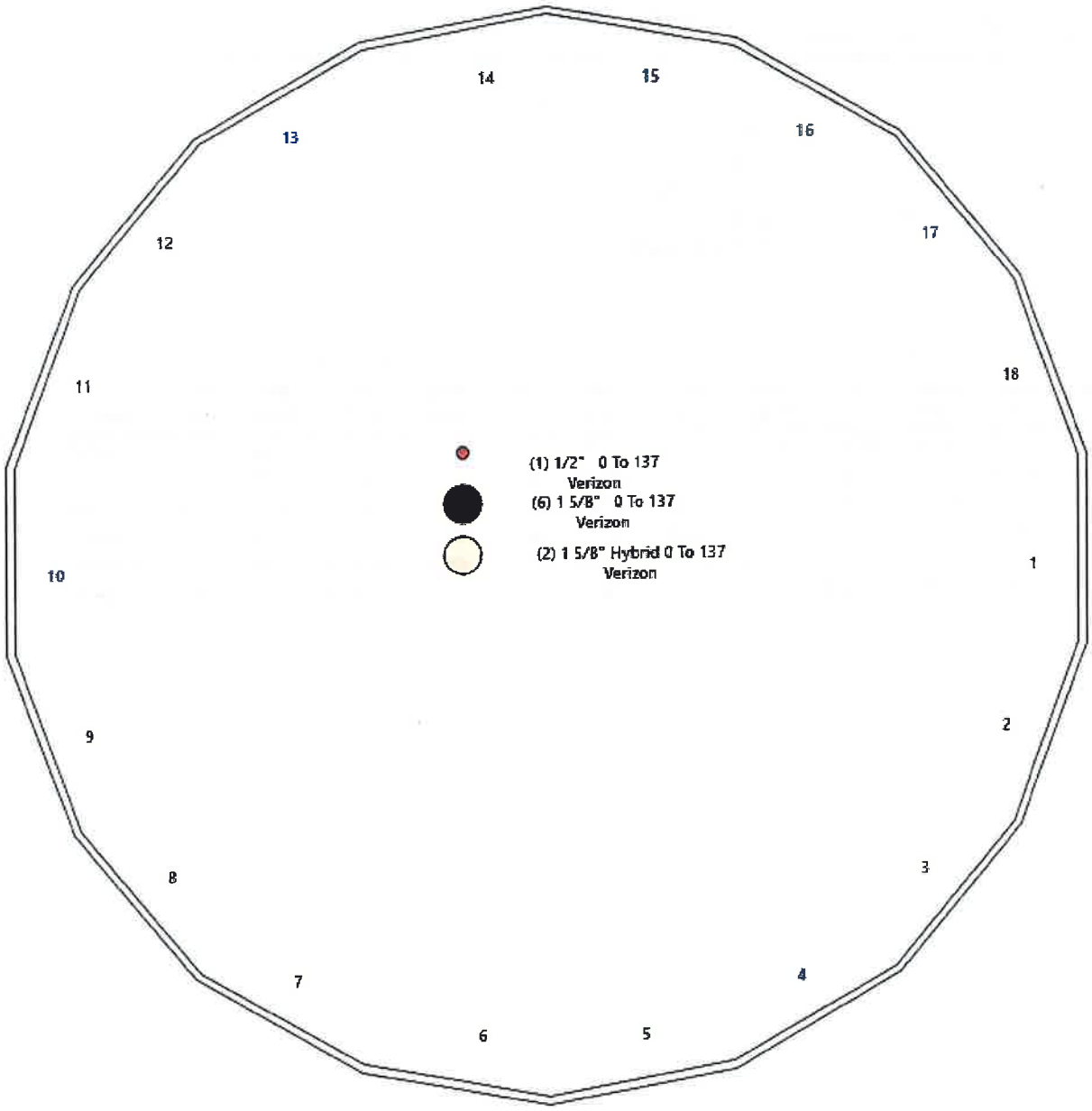
Structure: CT28285-A - Coax Line Placement

Type:
Site Name: Thompson 3 CT
Height: 139.00 (ft)

8/9/2023



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Shaft Properties

Structure:	CT28285-A		**Code:**	TIA-222-H	8/9/2023
Site Name:	Thompson 3 CT		**Exposure:**	C	
Height:	139.00 (ft)		**Crest Height:**	0.00	
Base Elev:	0.000 (ft)		**Site Class:**	D - Stiff Soil	
Gh:	1.1	**Topography:** 1	**Struct Class:**	II	Page: 4

Sec. No.	Shape	Length (ft)	Thick (in)	Fy (ksi)	Joint Type	Overlap (in)	Weight (lb)
1	18	50.000	0.4375	65		0.00	11,642
2	18	25.000	0.3750	65	Slip	72.00	4,317
3	18	11.000	0.3750	65	Flange	0.00	1,710
4	18	14.000	0.3125	65	Flange	0.00	1,677
5	18	25.000	0.2500	65	Slip	60.00	2,202
6	18	25.000	0.1875	65	Flange	0.00	1,355
					Total Shaft Weight:		**22,903**

	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	55.63	0.00	76.64	29495.97	21.01	127.15	43.80	50.00	60.22	14306.8	16.24	100.1	0.236547
2	45.97	44.00	54.27	14255.51	20.21	122.59	40.06	69.00	47.23	9397.19	17.42	106.8	0.236547
3	40.06	69.00	47.23	9397.19	17.42	106.82	37.46	80.00	44.13	7667.24	16.20	99.88	0.236547
4	37.46	80.00	36.84	6421.73	19.72	119.86	34.14	94.00	33.56	4852.68	17.86	109.2	0.236547
5	35.83	89.00	28.23	4514.45	23.86	143.31	29.91	114.00	23.54	2616.73	19.69	119.6	0.236547
6	29.91	114.0	17.69	1974.98	26.72	159.54	24.00	139.00	14.17	1015.22	21.16	128.0	0.236547

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Load Summary

Structure:	CT28285-A		**Code:**	TIA-222-H	8/9/2023
Site Name:	Thompson 3 CT		**Exposure:**	C	
Height:	139.00 (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

SBA

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)
1	137.00	Low profile platform	1	2224.79	50.20	1.00	3763.87	73.352	1.00	0.00	0.00
2	137.00	LNX-6514DS-A1M	3	32.10	9.20	0.83	171.85	10.091	0.85	0.00	0.00
3	137.00	MT6407-77A	3	87.10	4.68	0.70	160.93	5.276	0.71	0.00	0.00
4	137.00	SBNHH-1D65B	6	40.00	8.16	0.83	166.62	8.992	0.84	0.00	0.00
5	137.00	B2/B66A RRH-BR049	3	84.40	1.88	0.83	117.91	2.240	0.85	0.00	0.00
6	137.00	B5/B13 RRH-BR04C	3	70.30	1.88	0.77	102.11	2.240	0.79	0.00	0.00
7	137.00	RC3DC-3315-PF-48	2	32.00	3.01	0.83	85.39	3.467	0.84	0.00	0.00
8	137.00	Kaelus KA-6030	2	17.60	0.96	0.83	32.97	1.222	0.84	0.00	0.00
		Totals:	**23**	**3,385.69**			**6,658.75**				

Linear Appurtenances

Bottom Elev. (ft)	Top Elev. (ft)	Description	Exposed Width	Exposed
0.00	139.00	(1) Safety Cable	0.38	Outside
0.00	139.00	(1) Step bolts (ladder)	0.63	Outside
0.00	137.00	(6) 1 5/8" Coax	0.00	Inside
0.00	137.00	(2) 1 5/8" Hybrid	0.00	Inside
0.00	137.00	(1) 1/2" Coax	0.00	Inside

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Shaft Section Properties

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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	

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		0.4375	55.630	76.639	29496.0	21.01	127.15	76.7	1044.	0.0
5.00		0.4375	54.447	74.997	27640.1	20.53	124.45	77.2	999.9	1290.0
10.00		0.4375	53.265	73.354	25863.7	20.06	121.75	77.8	956.4	1262.0
15.00		0.4375	52.082	71.712	24165.2	19.58	119.04	78.4	913.9	1234.1
20.00		0.4375	50.899	70.070	22542.6	19.10	116.34	78.9	872.3	1206.1
25.00		0.4375	49.716	68.427	20994.4	18.63	113.64	79.5	831.7	1178.2
30.00		0.4375	48.534	66.785	19518.7	18.15	110.93	80.1	792.1	1150.2
35.00		0.4375	47.351	65.143	18113.9	17.67	108.23	80.6	753.5	1122.3
40.00		0.4375	46.168	63.500	16778.1	17.20	105.53	81.2	715.8	1094.4
44.00	Bot - Section 2	0.4375	45.222	62.187	15758.1	16.82	103.36	81.6	686.3	855.4
45.00		0.4375	44.985	61.858	15509.7	16.72	102.82	81.7	679.1	395.2
50.00	Top - Section 1	0.3750	44.553	52.581	12965.3	19.54	118.81	0.0	0.0	1945.1
55.00		0.3750	43.370	51.173	11951.6	18.98	115.65	79.1	542.8	882.6
60.00		0.3750	42.187	49.765	10992.2	18.43	112.50	79.7	513.2	858.7
65.00		0.3750	41.004	48.357	10085.5	17.87	109.35	80.4	484.5	834.7
69.00	Top - Section 2	0.3750	40.058	47.231	9397.2	17.42	106.82	80.9	462.0	650.5
69.00	Bot - Section 3	0.3750	40.058	47.231	9397.2	17.42	106.82	80.9	462.0	
70.00		0.3750	39.822	46.950	9230.1	17.31	106.19	81.0	456.5	160.2
75.00		0.3750	38.639	45.542	8424.5	16.76	103.04	81.7	429.4	786.8
80.00	Top - Section 3	0.3750	37.456	44.134	7667.2	16.20	99.88	82.3	403.2	762.9
80.00	Bot - Section 4	0.3125	37.456	36.841	6421.7	19.44	119.86	78.2	337.7	
85.00		0.3125	36.274	35.668	5827.6	19.06	116.08	79.0	316.4	616.8
89.00	Bot - Section 5	0.3125	35.327	34.729	5379.6	18.52	113.05	79.6	299.9	479.1
90.00		0.3125	35.091	34.494	5271.3	18.39	112.29	79.8	295.9	213.5
94.00	Top - Section 4	0.2500	34.645	27.291	4079.0	23.02	138.58	0.0	0.0	839.7
95.00		0.2500	34.408	27.103	3995.4	22.86	137.63	74.5	228.7	92.5
100.00		0.2500	33.225	26.165	3594.6	22.02	132.90	75.5	213.1	453.2
105.00		0.2500	32.043	25.227	3221.5	21.19	128.17	76.5	198.0	437.2
110.00		0.2500	30.860	24.288	2875.2	20.36	123.44	77.5	183.5	421.2
114.00	Top - Section 5	0.2500	29.914	23.537	2616.7	19.69	119.65	78.2	172.3	325.5
114.00	Bot - Section 6	0.1875	29.914	17.690	1975.0	26.25	159.54	70.0	130.0	
115.00		0.1875	29.677	17.549	1928.2	26.50	158.28	70.2	128.0	60.0
120.00		0.1875	28.494	16.846	1705.4	25.39	151.97	71.5	117.9	292.6
125.00		0.1875	27.312	16.142	1500.4	24.27	145.66	72.9	108.2	280.6
130.00		0.1875	26.129	15.438	1312.6	23.16	139.35	74.2	98.9	268.6
135.00		0.1875	24.946	14.734	1141.1	22.05	133.05	75.5	90.1	256.7
137.00		0.1875	24.473	14.452	1076.9	21.60	130.52	76.0	86.7	99.3
139.00		0.1875	24.000	14.171	1015.2	21.16	128.00	76.5	83.3	97.4
										22903.3

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Wind Loading - Shaft

Structure: CT28285-A
Site Name: Thompson 3 CT
Height: 139.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 8/9/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

Load Case: 1.2D + 1.0W 120 mph Wind
Dead Load Factor 1.20
Wind Load Factor 1.00

Iterations 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	29.411	32.35	517.67	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	29.411	32.35	506.66	0.730	0.000	5.00	23.287	17.00	550.0	0.0	1547.9
10.00		1.00	0.85	29.411	32.35	495.66	0.730	0.000	5.00	22.786	16.63	538.1	0.0	1514.4
15.00		1.00	0.85	29.411	32.35	484.65	0.730	0.000	5.00	22.286	16.27	526.3	0.0	1480.9
20.00		1.00	0.90	31.207	34.33	487.89	0.730	0.000	5.00	21.785	15.90	545.9	0.0	1447.4
25.00		1.00	0.95	32.708	35.98	487.88	0.730	0.000	5.00	21.285	15.54	559.0	0.0	1413.8
30.00		1.00	0.98	33.988	37.39	485.50	0.730	0.000	5.00	20.784	15.17	567.3	0.0	1380.3
35.00		1.00	1.01	35.109	38.62	481.42	0.730	0.000	5.00	20.284	14.81	571.9	0.0	1346.8
40.00		1.00	1.04	36.110	39.72	476.04	0.730	0.000	5.00	19.784	14.44	573.6	0.0	1313.2
44.00	Bot - Section 2	1.00	1.06	36.841	40.53	470.98	0.730	0.000	4.00	15.467	11.29	457.6	0.0	1026.4
45.00		1.00	1.07	37.016	40.72	469.63	0.730	0.000	1.00	3.880	2.83	115.3	0.0	474.3
50.00	Top - Section 1	1.00	1.09	37.846	41.63	462.38	0.730	0.000	5.00	19.100	13.94	580.5	0.0	2334.1
55.00		1.00	1.12	38.614	42.47	462.43	0.730	0.000	5.00	18.600	13.58	576.7	0.0	1059.1
60.00		1.00	1.14	39.327	43.26	453.96	0.730	0.000	5.00	18.099	13.21	571.6	0.0	1030.4
65.00		1.00	1.16	39.996	44.00	444.96	0.730	0.000	5.00	17.599	12.85	565.2	0.0	1001.7
69.00	Top - Section 2	1.00	1.17	40.502	44.55	437.44	0.730	0.000	4.00	13.719	10.01	446.2	0.0	780.6
70.00		1.00	1.17	40.625	44.69	435.51	0.730	0.000	1.00	3.380	2.47	110.3	0.0	192.3
75.00		1.00	1.19	41.219	45.34	425.66	0.730	0.000	5.00	16.598	12.12	549.4	0.0	944.2
80.00	Top - Section 3	1.00	1.21	41.783	45.96	415.44	0.730	0.000	5.00	16.098	11.75	540.1	0.0	915.4
85.00		1.00	1.22	42.320	46.55	404.90	0.730	0.000	5.00	15.597	11.39	530.0	0.0	740.2
89.00	Bot - Section 5	1.00	1.23	42.731	47.00	396.25	0.730	0.000	4.00	12.118	8.85	415.8	0.0	574.9
90.00		1.00	1.24	42.832	47.12	394.06	0.730	0.000	1.00	3.022	2.21	103.9	0.0	256.2
94.00	Top - Section 4	1.00	1.25	43.226	47.55	385.19	0.730	0.000	4.00	11.886	8.68	412.6	0.0	1007.6
95.00		1.00	1.25	43.322	47.65	388.60	0.730	0.000	1.00	2.922	2.13	101.6	0.0	111.1
100.00		1.00	1.27	43.793	48.17	377.27	0.730	0.000	5.00	14.308	10.44	503.1	0.0	543.8
105.00		1.00	1.28	44.245	48.67	365.72	0.730	0.000	5.00	13.807	10.08	490.5	0.0	524.6
110.00		1.00	1.29	44.680	49.15	353.95	0.730	0.000	5.00	13.307	9.71	477.4	0.0	505.5
114.00	Top - Section 5	1.00	1.30	45.017	49.52	344.39	0.730	0.000	4.00	10.285	7.51	371.8	0.0	390.6
115.00		1.00	1.30	45.100	49.61	341.98	0.730	0.000	1.00	2.521	1.84	91.3	0.0	71.9
120.00		1.00	1.32	45.506	50.06	329.82	0.730	0.000	5.00	12.306	8.98	449.7	0.0	351.1
125.00		1.00	1.33	45.899	50.49	317.49	0.730	0.000	5.00	11.806	8.62	435.1	0.0	336.7
130.00		1.00	1.34	46.279	50.91	305.00	0.730	0.000	5.00	11.305	8.25	420.1	0.0	322.4
135.00		1.00	1.35	46.649	51.31	292.35	0.730	0.000	5.00	10.805	7.89	404.7	0.0	308.0
137.00	Appurtenance(s)	1.00	1.35	46.793	51.47	287.25	0.730	0.000	2.00	4.182	3.05	157.1	0.0	119.2
139.00		1.00	1.36	46.936	51.63	282.13	0.730	0.000	2.00	4.102	2.99	154.6	0.0	116.9
								Totals:	**139.00**			**14,464.5**		**27,484.0**

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Discrete Appurtenance Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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	

Load Case: 1.2D + 1.0W 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 21

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	137.00	Low profile platform	1	46.793	51.473	1.00	1.00	50.20	2669.75	0.000	0.000	2583.92	0.00	0.00
2	137.00	LNX-6514DS-A1M	3	46.793	51.473	0.62	0.75	17.18	115.56	0.000	0.000	884.35	0.00	0.00
3	137.00	MT6407-77A	3	46.793	51.473	0.52	0.75	7.37	313.56	0.000	0.000	379.40	0.00	0.00
4	137.00	SBNHH-1D65B	6	46.793	51.473	0.62	0.75	30.48	288.00	0.000	0.000	1568.76	0.00	0.00
5	137.00	B2/B66A RRH-BR049	3	46.793	51.473	0.62	0.75	3.51	303.84	0.000	0.000	180.71	0.00	0.00
6	137.00	B5/B13 RRH-BR04C	3	46.793	51.473	0.58	0.75	3.26	253.08	0.000	0.000	167.65	0.00	0.00
7	137.00	RC3DC-3315-PF-48	2	46.793	51.473	0.62	0.75	3.75	76.80	0.000	0.000	192.89	0.00	0.00
8	137.00	Kaelus KA-6030	2	46.793	51.473	0.62	0.75	1.20	42.24	0.000	0.000	61.52	0.00	0.00
							Totals:		**4,062.83**			**6,019.21**		

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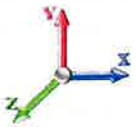
Total Applied Force Summary

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 21

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		549.97	1607.42	0.00	0.00
10.00		538.15	1573.89	0.00	0.00
15.00		526.33	1540.36	0.00	0.00
20.00		545.92	1506.83	0.00	0.00
25.00		559.03	1473.30	0.00	0.00
30.00		567.25	1439.77	0.00	0.00
35.00		571.85	1406.24	0.00	0.00
40.00		573.65	1372.71	0.00	0.00
44.00		457.56	1074.03	0.00	0.00
45.00		115.33	486.18	0.00	0.00
50.00		580.47	2393.54	0.00	0.00
55.00		576.72	1118.63	0.00	0.00
60.00		571.58	1089.89	0.00	0.00
65.00		565.22	1061.15	0.00	0.00
69.00		446.18	828.22	0.00	0.00
70.00		110.25	204.18	0.00	0.00
75.00		549.38	1003.67	0.00	0.00
80.00		540.10	974.93	0.00	0.00
85.00		530.04	799.67	0.00	0.00
89.00		415.79	622.49	0.00	0.00
90.00		103.93	268.11	0.00	0.00
94.00		412.58	1055.21	0.00	0.00
95.00		101.63	122.95	0.00	0.00
100.00		503.13	603.26	0.00	0.00
105.00		490.55	584.10	0.00	0.00
110.00		477.42	564.94	0.00	0.00
114.00		371.80	438.16	0.00	0.00
115.00		91.31	83.84	0.00	0.00
120.00		449.68	410.59	0.00	0.00
125.00		435.12	396.22	0.00	0.00
130.00		420.13	381.85	0.00	0.00
135.00		404.73	367.48	0.00	0.00
137.00	(23) attachments	6176.34	4205.80	0.00	0.00
139.00		154.59	120.03	0.00	0.00
	Totals:	**20,483.72**	**33,179.65**	**0.00**	**0.00**

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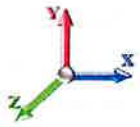
Linear Appurtenance Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 21

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	0.018	0.000	29.411	0.00	1.64
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.411	0.00	6.24
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	29.411	0.00	1.64
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.411	0.00	6.24
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	29.411	0.00	1.64
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	29.411	0.00	6.24
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	31.207	0.00	1.64
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	31.207	0.00	6.24
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	32.708	0.00	1.64
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	32.708	0.00	6.24
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	33.988	0.00	1.64
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	33.988	0.00	6.24
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	35.109	0.00	1.64
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	35.109	0.00	6.24
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	36.110	0.00	1.64
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	36.110	0.00	6.24
44.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.022	0.000	36.841	0.00	1.31
44.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.022	0.000	36.841	0.00	4.99
45.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	37.016	0.00	0.33
45.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	37.016	0.00	1.25
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	37.846	0.00	1.64
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	37.846	0.00	6.24
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	38.614	0.00	1.64
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	38.614	0.00	6.24
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	39.327	0.00	1.64
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	39.327	0.00	6.24
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	39.996	0.00	1.64
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	39.996	0.00	6.24
69.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.025	0.000	40.502	0.00	1.31
69.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.025	0.000	40.502	0.00	4.99
70.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.025	0.000	40.625	0.00	0.33
70.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.025	0.000	40.625	0.00	1.25
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	41.219	0.00	1.64
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	41.219	0.00	6.24
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	41.783	0.00	1.64
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	41.783	0.00	6.24
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	42.320	0.00	1.64
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	42.320	0.00	6.24
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.028	0.000	42.731	0.00	1.31
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.028	0.000	42.731	0.00	4.99
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.028	0.000	42.832	0.00	0.33
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.028	0.000	42.832	0.00	1.25
94.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	43.226	0.00	1.31
94.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	43.226	0.00	4.99
95.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	43.322	0.00	0.33
95.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	43.322	0.00	1.25
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	43.793	0.00	1.64

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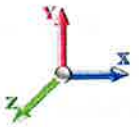
Linear Appurtenance Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 21

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)
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	43.793	0.00	6.24
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.245	0.00	1.64
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.245	0.00	6.24
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	44.680	0.00	1.64
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	44.680	0.00	6.24
114.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	45.017	0.00	1.31
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.033	0.000	45.017	0.00	4.99
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.033	0.000	45.100	0.00	0.33
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.033	0.000	45.100	0.00	1.25
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	45.506	0.00	1.64
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	45.506	0.00	6.24
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	45.899	0.00	1.64
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	45.899	0.00	6.24
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	46.279	0.00	1.64
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	46.279	0.00	6.24
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	46.649	0.00	1.64
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	46.649	0.00	6.24
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040	0.000	46.793	0.00	0.66
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000	46.793	0.00	2.50
139.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	46.936	0.00	0.66
139.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	46.936	0.00	2.50
										Totals:	**0.0**	**219.0**

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Calculated Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 120 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00

Iterations 21

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	-33.16	-20.51	0.00	-1844.6	0.00	1844.63	5289.63	1345.01	6159.16	6006.61	0.00	0.000	0.000	0.314
5.00	-31.53	-20.01	0.00	-1742.0	0.00	1742.08	5214.12	1316.19	5898.01	5792.99	0.05	-0.086	0.000	0.307
10.00	-29.92	-19.51	0.00	-1642.0	0.00	1642.06	5136.95	1287.37	5642.52	5581.27	0.18	-0.174	0.000	0.300
15.00	-28.36	-19.02	0.00	-1544.5	0.00	1544.51	5058.12	1258.55	5392.69	5371.57	0.41	-0.261	0.000	0.293
20.00	-26.82	-18.51	0.00	-1449.4	0.00	1449.41	4977.64	1229.72	5148.52	5164.03	0.74	-0.349	0.000	0.286
25.00	-25.33	-17.98	0.00	-1356.8	0.00	1356.87	4895.50	1200.90	4910.00	4958.75	1.15	-0.438	0.000	0.279
30.00	-23.86	-17.44	0.00	-1266.9	0.00	1266.98	4811.70	1172.08	4677.14	4755.86	1.66	-0.527	0.000	0.272
35.00	-22.44	-16.89	0.00	-1179.8	0.00	1179.80	4726.25	1143.25	4449.94	4555.49	2.26	-0.616	0.000	0.264
40.00	-21.05	-16.33	0.00	-1095.3	0.00	1095.37	4639.13	1114.43	4228.39	4357.75	2.95	-0.705	0.000	0.256
44.00	-19.97	-15.87	0.00	-1030.0	0.00	1030.07	4568.25	1091.37	4055.23	4201.54	3.57	-0.777	0.000	0.250
45.00	-19.47	-15.77	0.00	-1014.2	0.00	1014.20	4550.36	1085.61	4012.50	4162.77	3.74	-0.796	0.000	0.248
50.00	-17.06	-15.18	0.00	-935.37	0.00	935.37	3711.04	922.79	3382.36	3371.17	4.62	-0.885	0.000	0.282
55.00	-15.93	-14.61	0.00	-859.49	0.00	859.49	3641.81	898.08	3203.68	3218.96	5.59	-0.974	0.000	0.272
60.00	-14.82	-14.04	0.00	-786.45	0.00	786.45	3570.92	873.38	3029.84	3068.73	6.67	-1.072	0.000	0.261
65.00	-13.75	-13.48	0.00	-716.23	0.00	716.23	3498.38	848.67	2860.86	2920.59	7.84	-1.170	0.000	0.249
69.00	-12.92	-13.03	0.00	-662.32	0.00	662.32	3439.15	828.91	2729.16	2803.67	8.86	-1.247	0.000	0.240
69.00	-12.92	-13.03	0.00	-662.32	0.00	662.32	3439.15	828.91	2729.16	2803.67	8.86	-1.247	0.000	0.240
70.00	-12.71	-12.92	0.00	-649.30	0.00	649.30	3424.18	823.97	2696.72	2774.67	9.12	-1.267	0.000	0.238
75.00	-11.70	-12.37	0.00	-584.68	0.00	584.68	3348.32	799.26	2537.43	2631.09	10.50	-1.362	0.000	0.226
80.00	-10.72	-11.82	0.00	-522.83	0.00	522.83	3270.81	774.56	2383.00	2489.96	11.98	-1.456	0.000	0.213
80.00	-10.72	-11.82	0.00	-522.83	0.00	522.83	2592.90	646.55	1992.53	1980.55	11.98	-1.456	0.000	0.268
85.00	-9.92	-11.29	0.00	-463.71	0.00	463.71	2535.53	625.97	1867.66	1874.55	13.55	-1.547	0.000	0.252
89.00	-9.29	-10.86	0.00	-418.56	0.00	418.56	2488.45	609.50	1770.67	1790.92	14.88	-1.633	0.000	0.238
90.00	-9.02	-10.76	0.00	-407.70	0.00	407.70	2476.51	605.38	1746.83	1770.18	15.23	-1.655	0.000	0.234
94.00	-7.97	-10.32	0.00	-364.65	0.00	364.65	1825.44	478.96	1366.80	1292.61	16.65	-1.739	0.000	0.287
95.00	-7.84	-10.23	0.00	-354.33	0.00	354.33	1817.68	475.67	1348.06	1278.19	17.02	-1.760	0.000	0.282
100.00	-7.23	-9.72	0.00	-303.19	0.00	303.19	1777.84	459.20	1256.32	1206.58	18.93	-1.877	0.000	0.256
105.00	-6.64	-9.22	0.00	-254.58	0.00	254.58	1736.35	442.73	1167.82	1135.84	20.95	-1.987	0.000	0.228
110.00	-6.08	-8.74	0.00	-208.46	0.00	208.46	1693.20	426.26	1082.54	1066.08	23.09	-2.089	0.000	0.200
114.00	-5.65	-8.35	0.00	-173.52	0.00	173.52	1657.49	413.08	1016.65	1011.08	24.87	-2.165	0.000	0.175
114.00	-5.65	-8.35	0.00	-173.52	0.00	173.52	1114.05	310.46	765.71	682.44	24.87	-2.165	0.000	0.260
115.00	-5.56	-8.26	0.00	-165.17	0.00	165.17	1109.31	307.99	753.57	674.10	25.33	-2.183	0.000	0.251
120.00	-5.16	-7.81	0.00	-123.85	0.00	123.85	1084.65	295.64	694.33	632.51	27.67	-2.290	0.000	0.201
125.00	-4.77	-7.36	0.00	-84.81	0.00	84.81	1058.34	283.29	637.52	591.21	30.12	-2.377	0.000	0.149
130.00	-4.40	-6.93	0.00	-48.00	0.00	48.00	1030.37	270.93	583.14	550.32	32.65	-2.440	0.000	0.092
135.00	-4.05	-6.51	0.00	-13.34	0.00	13.34	1000.74	258.58	531.18	509.95	35.23	-2.473	0.000	0.031
137.00	-0.11	-0.16	0.00	-0.32	0.00	0.32	988.42	253.64	511.07	493.97	36.26	-2.477	0.000	0.001
139.00	0.00	-0.15	0.00	0.00	0.00	0.00	975.84	248.70	491.35	478.11	37.30	-2.477	0.000	0.000

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Wind Loading - Shaft

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 21

Elev (ft)	Description	Kzt	Kz	qz (psf)	qzGh (psf)	C (mph-ft)	Cf	Ice Thick (in)	Tributary (ft)	Aa (sf)	CfAa (sf)	Wind Force X (lb)	Dead Load Ice (lb)	Tot Dead Load (lb)
0.00		1.00	0.85	29.411	32.35	517.67	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	29.411	32.35	506.66	0.730	0.000	5.00	23.287	17.00	550.0	0.0	1161.0
10.00		1.00	0.85	29.411	32.35	495.66	0.730	0.000	5.00	22.786	16.63	538.1	0.0	1135.8
15.00		1.00	0.85	29.411	32.35	484.65	0.730	0.000	5.00	22.286	16.27	526.3	0.0	1110.7
20.00		1.00	0.90	31.207	34.33	487.89	0.730	0.000	5.00	21.785	15.90	545.9	0.0	1085.5
25.00		1.00	0.95	32.708	35.98	487.88	0.730	0.000	5.00	21.285	15.54	559.0	0.0	1060.4
30.00		1.00	0.98	33.988	37.39	485.50	0.730	0.000	5.00	20.784	15.17	567.3	0.0	1035.2
35.00		1.00	1.01	35.109	38.62	481.42	0.730	0.000	5.00	20.284	14.81	571.9	0.0	1010.1
40.00		1.00	1.04	36.110	39.72	476.04	0.730	0.000	5.00	19.784	14.44	573.6	0.0	984.9
44.00	Bot - Section 2	1.00	1.06	36.841	40.53	470.98	0.730	0.000	4.00	15.467	11.29	457.6	0.0	769.8
45.00		1.00	1.07	37.016	40.72	469.63	0.730	0.000	1.00	3.880	2.83	115.3	0.0	355.7
50.00	Top - Section 1	1.00	1.09	37.846	41.63	462.38	0.730	0.000	5.00	19.100	13.94	580.5	0.0	1750.5
55.00		1.00	1.12	38.614	42.47	462.43	0.730	0.000	5.00	18.600	13.58	576.7	0.0	794.4
60.00		1.00	1.14	39.327	43.26	453.96	0.730	0.000	5.00	18.099	13.21	571.6	0.0	772.8
65.00		1.00	1.16	39.996	44.00	444.96	0.730	0.000	5.00	17.599	12.85	565.2	0.0	751.3
69.00	Top - Section 2	1.00	1.17	40.502	44.55	437.44	0.730	0.000	4.00	13.719	10.01	446.2	0.0	585.5
70.00		1.00	1.17	40.625	44.69	435.51	0.730	0.000	1.00	3.380	2.47	110.3	0.0	144.2
75.00		1.00	1.19	41.219	45.34	425.66	0.730	0.000	5.00	16.598	12.12	549.4	0.0	708.1
80.00	Top - Section 3	1.00	1.21	41.783	45.96	415.44	0.730	0.000	5.00	16.098	11.75	540.1	0.0	686.6
85.00		1.00	1.22	42.320	46.55	404.90	0.730	0.000	5.00	15.597	11.39	530.0	0.0	555.1
89.00	Bot - Section 5	1.00	1.23	42.731	47.00	396.25	0.730	0.000	4.00	12.118	8.85	415.8	0.0	431.2
90.00		1.00	1.24	42.832	47.12	394.06	0.730	0.000	1.00	3.022	2.21	103.9	0.0	192.2
94.00	Top - Section 4	1.00	1.25	43.226	47.55	385.19	0.730	0.000	4.00	11.886	8.68	412.6	0.0	755.7
95.00		1.00	1.25	43.322	47.65	388.60	0.730	0.000	1.00	2.922	2.13	101.6	0.0	83.3
100.00		1.00	1.27	43.793	48.17	377.27	0.730	0.000	5.00	14.308	10.44	503.1	0.0	407.8
105.00		1.00	1.28	44.245	48.67	365.72	0.730	0.000	5.00	13.807	10.08	490.5	0.0	393.5
110.00		1.00	1.29	44.680	49.15	353.95	0.730	0.000	5.00	13.307	9.71	477.4	0.0	379.1
114.00	Top - Section 5	1.00	1.30	45.017	49.52	344.39	0.730	0.000	4.00	10.285	7.51	371.8	0.0	292.9
115.00		1.00	1.30	45.100	49.61	341.98	0.730	0.000	1.00	2.521	1.84	91.3	0.0	54.0
120.00		1.00	1.32	45.506	50.06	329.82	0.730	0.000	5.00	12.306	8.98	449.7	0.0	263.3
125.00		1.00	1.33	45.899	50.49	317.49	0.730	0.000	5.00	11.806	8.62	435.1	0.0	252.6
130.00		1.00	1.34	46.279	50.91	305.00	0.730	0.000	5.00	11.305	8.25	420.1	0.0	241.8
135.00		1.00	1.35	46.649	51.31	292.35	0.730	0.000	5.00	10.805	7.89	404.7	0.0	231.0
137.00	Appurtenance(s)	1.00	1.35	46.793	51.47	287.25	0.730	0.000	2.00	4.182	3.05	157.1	0.0	89.4
139.00		1.00	1.36	46.936	51.63	282.13	0.730	0.000	2.00	4.102	2.99	154.6	0.0	87.7
								Totals:	**139.00**			**14,464.5**		**20,613.0**

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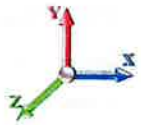
Discrete Appurtenance Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 21

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	137.00	Low profile platform	1	46.793	51.473	1.00	1.00	50.20	2002.31	0.000	0.000	2583.92	0.00	0.00
2	137.00	LNX-6514DS-A1M	3	46.793	51.473	0.62	0.75	17.18	86.67	0.000	0.000	884.35	0.00	0.00
3	137.00	MT6407-77A	3	46.793	51.473	0.52	0.75	7.37	235.17	0.000	0.000	379.40	0.00	0.00
4	137.00	SBNHH-1D65B	6	46.793	51.473	0.62	0.75	30.48	216.00	0.000	0.000	1568.76	0.00	0.00
5	137.00	B2/B66A RRH-BR049	3	46.793	51.473	0.62	0.75	3.51	227.88	0.000	0.000	180.71	0.00	0.00
6	137.00	B5/B13 RRH-BR04C	3	46.793	51.473	0.58	0.75	3.26	189.81	0.000	0.000	167.65	0.00	0.00
7	137.00	RC3DC-3315-PF-48	2	46.793	51.473	0.62	0.75	3.75	57.60	0.000	0.000	192.89	0.00	0.00
8	137.00	Kaelus KA-6030	2	46.793	51.473	0.62	0.75	1.20	31.68	0.000	0.000	61.52	0.00	0.00
							Totals:		**3,047.12**			**6,019.21**		

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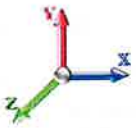
Total Applied Force Summary

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 21

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		549.97	1205.57	0.00	0.00
10.00		538.15	1180.42	0.00	0.00
15.00		526.33	1155.27	0.00	0.00
20.00		545.92	1130.12	0.00	0.00
25.00		559.03	1104.98	0.00	0.00
30.00		567.25	1079.83	0.00	0.00
35.00		571.85	1054.68	0.00	0.00
40.00		573.65	1029.53	0.00	0.00
44.00		457.56	805.52	0.00	0.00
45.00		115.33	364.64	0.00	0.00
50.00		580.47	1795.15	0.00	0.00
55.00		576.72	838.97	0.00	0.00
60.00		571.58	817.42	0.00	0.00
65.00		565.22	795.86	0.00	0.00
69.00		446.18	621.17	0.00	0.00
70.00		110.25	153.14	0.00	0.00
75.00		549.38	752.75	0.00	0.00
80.00		540.10	731.19	0.00	0.00
85.00		530.04	599.75	0.00	0.00
89.00		415.79	466.87	0.00	0.00
90.00		103.93	201.09	0.00	0.00
94.00		412.58	791.41	0.00	0.00
95.00		101.63	92.21	0.00	0.00
100.00		503.13	452.44	0.00	0.00
105.00		490.55	438.07	0.00	0.00
110.00		477.42	423.70	0.00	0.00
114.00		371.80	328.62	0.00	0.00
115.00		91.31	62.88	0.00	0.00
120.00		449.68	307.94	0.00	0.00
125.00		435.12	297.17	0.00	0.00
130.00		420.13	286.39	0.00	0.00
135.00		404.73	275.61	0.00	0.00
137.00	(23) attachments	6176.34	3154.35	0.00	0.00
139.00		154.59	90.02	0.00	0.00
	Totals:	**20,483.72**	**24,884.74**	**0.00**	**0.00**

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Linear Appurtenance Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 21

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	0.018	0.000	29.411	0.00	1.23
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.411	0.00	4.68
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	29.411	0.00	1.23
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	29.411	0.00	4.68
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	29.411	0.00	1.23
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	29.411	0.00	4.68
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	31.207	0.00	1.23
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	31.207	0.00	4.68
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	32.708	0.00	1.23
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	32.708	0.00	4.68
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	33.988	0.00	1.23
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	33.988	0.00	4.68
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	35.109	0.00	1.23
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	35.109	0.00	4.68
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	36.110	0.00	1.23
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	36.110	0.00	4.68
44.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.022	0.000	36.841	0.00	0.98
44.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.022	0.000	36.841	0.00	3.74
45.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	37.016	0.00	0.25
45.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	37.016	0.00	0.94
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	37.846	0.00	1.23
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	37.846	0.00	4.68
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	38.614	0.00	1.23
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	38.614	0.00	4.68
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	39.327	0.00	1.23
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	39.327	0.00	4.68
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	39.996	0.00	1.23
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	39.996	0.00	4.68
69.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.025	0.000	40.502	0.00	0.98
69.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.025	0.000	40.502	0.00	3.74
70.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.025	0.000	40.625	0.00	0.25
70.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.025	0.000	40.625	0.00	0.94
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	41.219	0.00	1.23
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	41.219	0.00	4.68
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	41.783	0.00	1.23
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	41.783	0.00	4.68
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	42.320	0.00	1.23
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	42.320	0.00	4.68
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.028	0.000	42.731	0.00	0.98
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.028	0.000	42.731	0.00	3.74
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.028	0.000	42.832	0.00	0.25
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.028	0.000	42.832	0.00	0.94
94.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	43.226	0.00	0.98
94.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	43.226	0.00	3.74
95.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	43.322	0.00	0.25
95.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	43.322	0.00	0.94
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	43.793	0.00	1.23

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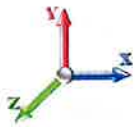
Linear Appurtenance Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00



Iterations 21

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)
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	43.793	0.00	4.68
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	44.245	0.00	1.23
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	44.245	0.00	4.68
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	44.680	0.00	1.23
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	44.680	0.00	4.68
114.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	45.017	0.00	0.98
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.033	0.000	45.017	0.00	3.74
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.033	0.000	45.100	0.00	0.25
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.033	0.000	45.100	0.00	0.94
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	45.506	0.00	1.23
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	45.506	0.00	4.68
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	45.899	0.00	1.23
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	45.899	0.00	4.68
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	46.279	0.00	1.23
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	46.279	0.00	4.68
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	46.649	0.00	1.23
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	46.649	0.00	4.68
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040	0.000	46.793	0.00	0.49
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000	46.793	0.00	1.87
139.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	46.936	0.00	0.49
139.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	46.936	0.00	1.87
										Totals:	**0.0**	**164.3**

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Calculated Forces

Structure:	CT28285-A		**Code:**	TIA-222-H	8/9/2023
Site Name:	Thompson 3 CT		**Exposure:**	C	
Height:	139.00 (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

SBA

Load Case: 0.9D + 1.0W 120 mph Wind

Dead Load Factor 0.90

Wind Load Factor 1.00

Iterations 21

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	-24.87	-20.50	0.00	-1836.5	0.00	1836.53	5289.63	1345.01	6159.16	6006.61	0.00	0.000	0.000	0.311
5.00	-23.63	-19.99	0.00	-1734.0	0.00	1734.02	5214.12	1316.19	5898.01	5792.99	0.05	-0.086	0.000	0.304
10.00	-22.42	-19.48	0.00	-1634.0	0.00	1634.08	5136.95	1287.37	5642.52	5581.27	0.18	-0.173	0.000	0.297
15.00	-21.24	-18.98	0.00	-1536.6	0.00	1536.68	5058.12	1258.55	5392.69	5371.57	0.41	-0.260	0.000	0.291
20.00	-20.09	-18.46	0.00	-1441.7	0.00	1441.77	4977.64	1229.72	5148.52	5164.03	0.73	-0.348	0.000	0.283
25.00	-18.96	-17.92	0.00	-1349.4	0.00	1349.47	4895.50	1200.90	4910.00	4958.75	1.14	-0.436	0.000	0.276
30.00	-17.86	-17.38	0.00	-1259.8	0.00	1259.85	4811.70	1172.08	4677.14	4755.86	1.65	-0.524	0.000	0.269
35.00	-16.78	-16.82	0.00	-1172.9	0.00	1172.97	4726.25	1143.25	4449.94	4555.49	2.24	-0.613	0.000	0.261
40.00	-15.74	-16.26	0.00	-1088.8	0.00	1088.88	4639.13	1114.43	4228.39	4357.75	2.93	-0.702	0.000	0.253
44.00	-14.92	-15.80	0.00	-1023.8	0.00	1023.86	4568.25	1091.37	4055.23	4201.54	3.55	-0.773	0.000	0.247
45.00	-14.55	-15.69	0.00	-1008.0	0.00	1008.06	4550.36	1085.61	4012.50	4162.77	3.72	-0.792	0.000	0.246
50.00	-12.74	-15.11	0.00	-929.60	0.00	929.60	3711.04	922.79	3382.36	3371.17	4.59	-0.880	0.000	0.279
55.00	-11.88	-14.53	0.00	-854.07	0.00	854.07	3641.81	898.08	3203.68	3218.96	5.56	-0.969	0.000	0.269
60.00	-11.05	-13.97	0.00	-781.40	0.00	781.40	3570.92	873.38	3029.84	3068.73	6.63	-1.066	0.000	0.258
65.00	-10.25	-13.40	0.00	-711.56	0.00	711.56	3498.38	848.67	2860.86	2920.59	7.80	-1.163	0.000	0.247
69.00	-9.63	-12.95	0.00	-657.95	0.00	657.95	3439.15	828.91	2729.16	2803.67	8.81	-1.240	0.000	0.238
69.00	-9.63	-12.95	0.00	-657.95	0.00	657.95	3439.15	828.91	2729.16	2803.67	8.81	-1.240	0.000	0.238
70.00	-9.46	-12.85	0.00	-645.00	0.00	645.00	3424.18	823.97	2696.72	2774.67	9.07	-1.260	0.000	0.235
75.00	-8.70	-12.30	0.00	-580.76	0.00	580.76	3348.32	799.26	2537.43	2631.09	10.44	-1.354	0.000	0.224
80.00	-7.96	-11.75	0.00	-519.29	0.00	519.29	3270.81	774.56	2383.00	2489.96	11.91	-1.447	0.000	0.211
80.00	-7.96	-11.75	0.00	-519.29	0.00	519.29	2592.90	646.55	1992.53	1980.55	11.91	-1.447	0.000	0.266
85.00	-7.36	-11.22	0.00	-460.54	0.00	460.54	2535.53	625.97	1867.66	1874.55	13.48	-1.538	0.000	0.249
89.00	-6.90	-10.79	0.00	-415.67	0.00	415.67	2488.45	609.50	1770.67	1790.92	14.80	-1.624	0.000	0.235
90.00	-6.69	-10.69	0.00	-404.88	0.00	404.88	2476.51	605.38	1746.83	1770.18	15.14	-1.645	0.000	0.232
94.00	-5.90	-10.26	0.00	-362.12	0.00	362.12	1825.44	478.96	1366.80	1292.61	16.56	-1.728	0.000	0.284
95.00	-5.80	-10.16	0.00	-351.86	0.00	351.86	1817.68	475.67	1348.06	1278.19	16.92	-1.749	0.000	0.279
100.00	-5.34	-9.66	0.00	-301.04	0.00	301.04	1777.84	459.20	1256.32	1206.58	18.82	-1.865	0.000	0.253
105.00	-4.91	-9.16	0.00	-252.76	0.00	252.76	1736.35	442.73	1167.82	1135.84	20.83	-1.975	0.000	0.226
110.00	-4.49	-8.68	0.00	-206.96	0.00	206.96	1693.20	426.26	1082.54	1066.08	22.96	-2.077	0.000	0.197
114.00	-4.16	-8.29	0.00	-172.26	0.00	172.26	1657.49	413.08	1016.65	1011.08	24.73	-2.152	0.000	0.173
114.00	-4.16	-8.29	0.00	-172.26	0.00	172.26	1114.05	310.46	765.71	682.44	24.73	-2.152	0.000	0.257
115.00	-4.10	-8.21	0.00	-163.97	0.00	163.97	1109.31	307.99	753.57	674.10	25.18	-2.170	0.000	0.248
120.00	-3.79	-7.75	0.00	-122.94	0.00	122.94	1084.65	295.64	694.33	632.51	27.51	-2.276	0.000	0.199
125.00	-3.50	-7.31	0.00	-84.19	0.00	84.19	1058.34	283.29	637.52	591.21	29.95	-2.362	0.000	0.146
130.00	-3.23	-6.88	0.00	-47.64	0.00	47.64	1030.37	270.93	583.14	550.32	32.46	-2.425	0.000	0.090
135.00	-2.97	-6.46	0.00	-13.25	0.00	13.25	1000.74	258.58	531.18	509.95	35.02	-2.458	0.000	0.030
137.00	-0.08	-0.16	0.00	-0.32	0.00	0.32	988.42	253.64	511.07	493.97	36.05	-2.461	0.000	0.001
139.00	0.00	-0.15	0.00	0.00	0.00	0.00	975.84	248.70	491.35	478.11	37.08	-2.461	0.000	0.000

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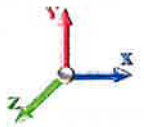
Wind Loading - Shaft

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 20

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	5.106	5.62	0.00	1.200	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	5.106	5.62	0.00	1.200	0.828	5.00	23.977	28.77	161.6	286.8	1834.7
10.00		1.00	0.85	5.106	5.62	0.00	1.200	0.887	5.00	23.526	28.23	158.6	301.1	1815.5
15.00		1.00	0.85	5.106	5.62	0.00	1.200	0.924	5.00	23.056	27.67	155.4	306.9	1787.8
20.00		1.00	0.90	5.418	5.96	0.00	1.200	0.951	5.00	22.578	27.09	161.5	309.0	1756.3
25.00		1.00	0.95	5.678	6.25	0.00	1.200	0.973	5.00	22.095	26.51	165.6	308.9	1722.7
30.00		1.00	0.98	5.901	6.49	0.00	1.200	0.991	5.00	21.610	25.93	168.3	307.3	1687.6
35.00		1.00	1.01	6.095	6.70	0.00	1.200	1.006	5.00	21.122	25.35	169.9	304.7	1651.5
40.00		1.00	1.04	6.269	6.90	0.00	1.200	1.019	5.00	20.633	24.76	170.7	301.4	1614.6
44.00	Bot - Section 2	1.00	1.06	6.396	7.04	0.00	1.200	1.029	4.00	16.153	19.38	136.4	238.6	1265.0
45.00		1.00	1.07	6.426	7.07	0.00	1.200	1.032	1.00	4.052	4.86	34.4	60.4	534.7
50.00	Top - Section 1	1.00	1.09	6.571	7.23	0.00	1.200	1.042	5.00	19.969	23.96	173.2	297.7	2631.8
55.00		1.00	1.12	6.704	7.37	0.00	1.200	1.052	5.00	19.477	23.37	172.3	292.9	1352.0
60.00		1.00	1.14	6.828	7.51	0.00	1.200	1.062	5.00	18.984	22.78	171.1	287.6	1318.0
65.00		1.00	1.16	6.944	7.64	0.00	1.200	1.070	5.00	18.491	22.19	169.5	282.1	1283.7
69.00	Top - Section 2	1.00	1.17	7.032	7.73	0.00	1.200	1.077	4.00	14.437	17.32	134.0	221.9	1002.6
70.00		1.00	1.17	7.053	7.76	0.00	1.200	1.078	1.00	3.559	4.27	33.1	55.2	247.5
75.00		1.00	1.19	7.156	7.87	0.00	1.200	1.086	5.00	17.503	21.00	165.3	270.1	1214.3
80.00	Top - Section 3	1.00	1.21	7.254	7.98	0.00	1.200	1.093	5.00	17.008	20.41	162.9	263.8	1179.3
85.00		1.00	1.22	7.347	8.08	0.00	1.200	1.099	5.00	16.513	19.82	160.2	257.3	997.5
89.00	Bot - Section 5	1.00	1.23	7.419	8.16	0.00	1.200	1.104	4.00	12.854	15.42	125.9	201.6	776.5
90.00		1.00	1.24	7.436	8.18	0.00	1.200	1.106	1.00	3.206	3.85	31.5	50.8	307.0
94.00	Top - Section 4	1.00	1.25	7.504	8.25	0.00	1.200	1.110	4.00	12.627	15.15	125.1	198.9	1206.6
95.00		1.00	1.25	7.521	8.27	0.00	1.200	1.112	1.00	3.107	3.73	30.8	49.5	160.5
100.00		1.00	1.27	7.603	8.36	0.00	1.200	1.117	5.00	15.239	18.29	152.9	240.3	784.1
105.00		1.00	1.28	7.681	8.45	0.00	1.200	1.123	5.00	14.743	17.69	149.5	233.2	757.8
110.00		1.00	1.29	7.757	8.53	0.00	1.200	1.128	5.00	14.247	17.10	145.9	226.0	731.4
114.00	Top - Section 5	1.00	1.30	7.816	8.60	0.00	1.200	1.132	4.00	11.040	13.25	113.9	176.1	566.7
115.00		1.00	1.30	7.830	8.61	0.00	1.200	1.133	1.00	2.710	3.25	28.0	43.7	115.7
120.00		1.00	1.32	7.900	8.69	0.00	1.200	1.138	5.00	13.254	15.91	138.2	211.2	562.3
125.00		1.00	1.33	7.969	8.77	0.00	1.200	1.142	5.00	12.758	15.31	134.2	203.6	540.3
130.00		1.00	1.34	8.035	8.84	0.00	1.200	1.147	5.00	12.261	14.71	130.0	195.9	518.3
135.00		1.00	1.35	8.099	8.91	0.00	1.200	1.151	5.00	11.764	14.12	125.8	188.2	496.2
137.00	Appurtenance(s)	1.00	1.35	8.124	8.94	0.00	1.200	1.153	2.00	4.566	5.48	49.0	74.0	193.2
139.00		1.00	1.36	8.149	8.96	0.00	1.200	1.155	2.00	4.487	5.38	48.3	72.8	189.6
								Totals:	**139.00**			**4,352.9**		**34,803.4**

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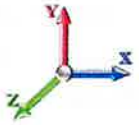
Discrete Appurtenance Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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: 1.2D + 1.0Di + 1.0Wi 50 mph Wind

Dead Load Factor 1.20

Wind Load Factor 1.00



Iterations 20

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	137.00	Low profile platform	1	8.124	8.936	1.00	1.00	73.35	6280.31	0.000	0.000	655.49	0.00	0.00
2	137.00	LNX-6514DS-A1M	3	8.124	8.936	0.64	0.75	19.30	171.19	0.000	0.000	172.46	0.00	0.00
3	137.00	MT6407-77A	3	8.124	8.936	0.53	0.75	8.43	336.43	0.000	0.000	75.31	0.00	0.00
4	137.00	SBNHH-1D65B	6	8.124	8.936	0.63	0.75	33.99	367.89	0.000	0.000	303.73	0.00	0.00
5	137.00	B2/B66A RRH-BR049	3	8.124	8.936	0.64	0.75	4.28	197.65	0.000	0.000	38.28	0.00	0.00
6	137.00	B5/B13 RRH-BR04C	3	8.124	8.936	0.59	0.75	3.98	99.47	0.000	0.000	35.58	0.00	0.00
7	137.00	RC3DC-3315-PF-48	2	8.124	8.936	0.63	0.75	4.37	-59.03	0.000	0.000	39.03	0.00	0.00
8	137.00	Kaelus KA-6030	2	8.124	8.936	0.63	0.75	1.54	-198.45	0.000	0.000	13.77	0.00	0.00
							Totals:		**7,195.45**			**1,333.65**		

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Total Applied Force Summary

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 20

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		161.60	1906.00	0.00	0.00
10.00		158.57	1888.27	0.00	0.00
15.00		155.40	1861.52	0.00	0.00
20.00		161.47	1830.78	0.00	0.00
25.00		165.62	1797.73	0.00	0.00
30.00		168.32	1763.14	0.00	0.00
35.00		169.94	1727.46	0.00	0.00
40.00		170.74	1690.95	0.00	0.00
44.00		136.38	1326.32	0.00	0.00
45.00		34.37	550.07	0.00	0.00
50.00		173.19	2708.84	0.00	0.00
55.00		172.35	1429.34	0.00	0.00
60.00		171.09	1395.62	0.00	0.00
65.00		169.48	1361.57	0.00	0.00
69.00		134.00	1065.00	0.00	0.00
70.00		33.14	263.15	0.00	0.00
75.00		165.33	1292.63	0.00	0.00
80.00		162.86	1257.81	0.00	0.00
85.00		160.15	1076.25	0.00	0.00
89.00		125.87	839.62	0.00	0.00
90.00		31.47	322.83	0.00	0.00
94.00		125.08	1269.83	0.00	0.00
95.00		30.84	176.34	0.00	0.00
100.00		152.93	863.40	0.00	0.00
105.00		149.48	837.31	0.00	0.00
110.00		145.88	811.07	0.00	0.00
114.00		113.89	630.46	0.00	0.00
115.00		28.01	131.63	0.00	0.00
120.00		138.22	642.22	0.00	0.00
125.00		134.19	620.42	0.00	0.00
130.00		130.04	598.53	0.00	0.00
135.00		125.76	576.53	0.00	0.00
137.00	(23) attachments	1382.61	7420.81	0.00	0.00
139.00		48.26	201.18	0.00	0.00
	Totals:	**5,686.53**	**44,134.62**	**0.00**	**0.00**

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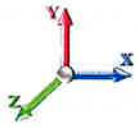
Linear Appurtenance Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 20

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	0.018	0.000	5.106	0.00	7.09
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.95	0.00	0.018	0.000	5.106	0.00	12.60
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.90	0.00	0.018	0.000	5.106	0.00	7.80
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.00	0.00	0.018	0.000	5.106	0.00	13.37
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.93	0.00	0.019	0.000	5.106	0.00	8.26
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.03	0.00	0.019	0.000	5.106	0.00	13.87
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.95	0.00	0.019	0.000	5.418	0.00	8.61
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.06	0.00	0.019	0.000	5.418	0.00	14.24
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.97	0.00	0.020	0.000	5.678	0.00	8.89
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.07	0.00	0.020	0.000	5.678	0.00	14.55
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.98	0.00	0.020	0.000	5.901	0.00	9.13
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.09	0.00	0.020	0.000	5.901	0.00	14.80
35.00	Safety Cable	Yes	5.00	0.000	0.38	1.00	0.00	0.021	0.000	6.095	0.00	9.34
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.10	0.00	0.021	0.000	6.095	0.00	15.03
40.00	Safety Cable	Yes	5.00	0.000	0.38	1.01	0.00	0.021	0.000	6.269	0.00	9.53
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.11	0.00	0.021	0.000	6.269	0.00	15.23
44.00	Safety Cable	Yes	4.00	0.000	0.38	0.81	0.00	0.022	0.000	6.396	0.00	7.73
44.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.90	0.00	0.022	0.000	6.396	0.00	12.30
45.00	Safety Cable	Yes	1.00	0.000	0.38	0.20	0.00	0.022	0.000	6.426	0.00	1.94
45.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.22	0.00	0.022	0.000	6.426	0.00	3.08
50.00	Safety Cable	Yes	5.00	0.000	0.38	1.03	0.00	0.022	0.000	6.571	0.00	9.85
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.13	0.00	0.022	0.000	6.571	0.00	15.57
55.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.023	0.000	6.704	0.00	10.00
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.14	0.00	0.023	0.000	6.704	0.00	15.73
60.00	Safety Cable	Yes	5.00	0.000	0.38	1.04	0.00	0.023	0.000	6.828	0.00	10.13
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.023	0.000	6.828	0.00	15.87
65.00	Safety Cable	Yes	5.00	0.000	0.38	1.05	0.00	0.024	0.000	6.944	0.00	10.25
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.15	0.00	0.024	0.000	6.944	0.00	16.00
69.00	Safety Cable	Yes	4.00	0.000	0.38	0.84	0.00	0.025	0.000	7.032	0.00	8.28
69.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.93	0.00	0.025	0.000	7.032	0.00	12.88
70.00	Safety Cable	Yes	1.00	0.000	0.38	0.21	0.00	0.025	0.000	7.053	0.00	2.07
70.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.23	0.00	0.025	0.000	7.053	0.00	3.22
75.00	Safety Cable	Yes	5.00	0.000	0.38	1.06	0.00	0.025	0.000	7.156	0.00	10.48
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.025	0.000	7.156	0.00	16.24
80.00	Safety Cable	Yes	5.00	0.000	0.38	1.07	0.00	0.026	0.000	7.254	0.00	10.58
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.17	0.00	0.026	0.000	7.254	0.00	16.35
85.00	Safety Cable	Yes	5.00	0.000	0.38	1.07	0.00	0.027	0.000	7.347	0.00	10.68
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.18	0.00	0.027	0.000	7.347	0.00	16.46
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.86	0.00	0.028	0.000	7.419	0.00	8.61
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.95	0.00	0.028	0.000	7.419	0.00	13.23
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.028	0.000	7.436	0.00	2.15
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.028	0.000	7.436	0.00	3.31
94.00	Safety Cable	Yes	4.00	0.000	0.38	0.87	0.00	0.029	0.000	7.504	0.00	8.68
94.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.95	0.00	0.029	0.000	7.504	0.00	13.31
95.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.029	0.000	7.521	0.00	2.17
95.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.029	0.000	7.521	0.00	3.33
100.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.029	0.000	7.603	0.00	10.95

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Linear Appurtenance Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 20

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)
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.19	0.00	0.029	0.000	7.603	0.00	16.74
105.00	Safety Cable	Yes	5.00	0.000	0.38	1.09	0.00	0.030	0.000	7.681	0.00	11.03
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.20	0.00	0.030	0.000	7.681	0.00	16.83
110.00	Safety Cable	Yes	5.00	0.000	0.38	1.10	0.00	0.032	0.000	7.757	0.00	11.11
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.20	0.00	0.032	0.000	7.757	0.00	16.92
114.00	Safety Cable	Yes	4.00	0.000	0.38	0.88	0.00	0.033	0.000	7.816	0.00	8.94
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.96	0.00	0.033	0.000	7.816	0.00	13.59
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.22	0.00	0.033	0.000	7.830	0.00	2.24
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.24	0.00	0.033	0.000	7.830	0.00	3.40
120.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.034	0.000	7.900	0.00	11.26
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.034	0.000	7.900	0.00	17.08
125.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.036	0.000	7.969	0.00	11.34
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.21	0.00	0.036	0.000	7.969	0.00	17.15
130.00	Safety Cable	Yes	5.00	0.000	0.38	1.11	0.00	0.037	0.000	8.035	0.00	11.41
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.037	0.000	8.035	0.00	17.23
135.00	Safety Cable	Yes	5.00	0.000	0.38	1.12	0.00	0.039	0.000	8.099	0.00	11.47
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	1.22	0.00	0.039	0.000	8.099	0.00	17.30
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.040	0.000	8.124	0.00	4.60
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.040	0.000	8.124	0.00	6.93
139.00	Safety Cable	Yes	2.00	0.000	0.38	0.45	0.00	0.041	0.000	8.149	0.00	4.61
139.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.49	0.00	0.041	0.000	8.149	0.00	6.94
										Totals:	**0.0**	**721.9**

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Calculated Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 20

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	-44.13	-5.70	0.00	-495.54	0.00	495.54	5289.63	1345.01	6159.16	6006.61	0.00	0.000	0.000	0.091
5.00	-42.23	-5.55	0.00	-467.07	0.00	467.07	5214.12	1316.19	5898.01	5792.99	0.01	-0.023	0.000	0.089
10.00	-40.33	-5.41	0.00	-439.32	0.00	439.32	5136.95	1287.37	5642.52	5581.27	0.05	-0.047	0.000	0.087
15.00	-38.47	-5.27	0.00	-412.28	0.00	412.28	5058.12	1258.55	5392.69	5371.57	0.11	-0.070	0.000	0.084
20.00	-36.64	-5.12	0.00	-385.95	0.00	385.95	4977.64	1229.72	5148.52	5164.03	0.20	-0.093	0.000	0.082
25.00	-34.84	-4.96	0.00	-360.37	0.00	360.37	4895.50	1200.90	4910.00	4958.75	0.31	-0.117	0.000	0.080
30.00	-33.07	-4.80	0.00	-335.56	0.00	335.56	4811.70	1172.08	4677.14	4755.86	0.44	-0.141	0.000	0.077
35.00	-31.35	-4.64	0.00	-311.55	0.00	311.55	4726.25	1143.25	4449.94	4555.49	0.60	-0.164	0.000	0.075
40.00	-29.65	-4.48	0.00	-288.34	0.00	288.34	4639.13	1114.43	4228.39	4357.75	0.79	-0.188	0.000	0.073
44.00	-28.33	-4.34	0.00	-270.43	0.00	270.43	4568.25	1091.37	4055.23	4201.54	0.95	-0.207	0.000	0.071
45.00	-27.78	-4.31	0.00	-266.09	0.00	266.09	4550.36	1085.61	4012.50	4162.77	1.00	-0.212	0.000	0.070
50.00	-25.07	-4.14	0.00	-244.53	0.00	244.53	3711.04	922.79	3382.36	3371.17	1.23	-0.235	0.000	0.079
55.00	-23.64	-3.97	0.00	-223.84	0.00	223.84	3641.81	898.08	3203.68	3218.96	1.49	-0.258	0.000	0.076
60.00	-22.24	-3.80	0.00	-203.99	0.00	203.99	3570.92	873.38	3029.84	3068.73	1.77	-0.284	0.000	0.073
65.00	-20.88	-3.63	0.00	-184.98	0.00	184.98	3498.38	848.67	2860.86	2920.59	2.08	-0.309	0.000	0.069
69.00	-19.81	-3.50	0.00	-170.44	0.00	170.44	3439.15	828.91	2729.16	2803.67	2.35	-0.329	0.000	0.067
69.00	-19.81	-3.50	0.00	-170.44	0.00	170.44	3439.15	828.91	2729.16	2803.67	2.35	-0.329	0.000	0.067
70.00	-19.55	-3.47	0.00	-166.95	0.00	166.95	3424.18	823.97	2696.72	2774.67	2.42	-0.334	0.000	0.066
75.00	-18.26	-3.30	0.00	-149.60	0.00	149.60	3348.32	799.26	2537.43	2631.09	2.78	-0.358	0.000	0.062
80.00	-17.00	-3.14	0.00	-133.09	0.00	133.09	3270.81	774.56	2383.00	2489.96	3.17	-0.382	0.000	0.059
80.00	-17.00	-3.14	0.00	-133.09	0.00	133.09	2592.90	646.55	1992.53	1980.55	3.17	-0.382	0.000	0.074
85.00	-15.92	-2.98	0.00	-117.39	0.00	117.39	2535.53	625.97	1867.66	1874.55	3.59	-0.405	0.000	0.069
89.00	-15.08	-2.85	0.00	-105.48	0.00	105.48	2488.45	609.50	1770.67	1790.92	3.94	-0.427	0.000	0.065
90.00	-14.76	-2.82	0.00	-102.63	0.00	102.63	2476.51	605.38	1746.83	1770.18	4.03	-0.433	0.000	0.064
94.00	-13.49	-2.69	0.00	-91.35	0.00	91.35	1825.44	478.96	1366.80	1292.61	4.40	-0.454	0.000	0.078
95.00	-13.31	-2.66	0.00	-88.66	0.00	88.66	1817.68	475.67	1348.06	1278.19	4.49	-0.459	0.000	0.077
100.00	-12.45	-2.51	0.00	-75.37	0.00	75.37	1777.84	459.20	1256.32	1206.58	4.99	-0.488	0.000	0.069
105.00	-11.61	-2.35	0.00	-62.84	0.00	62.84	1736.35	442.73	1167.82	1135.84	5.52	-0.516	0.000	0.062
110.00	-10.80	-2.20	0.00	-51.07	0.00	51.07	1693.20	426.26	1082.54	1066.08	6.07	-0.541	0.000	0.054
114.00	-10.17	-2.09	0.00	-42.25	0.00	42.25	1657.49	413.08	1016.65	1011.08	6.53	-0.559	0.000	0.048
114.00	-10.17	-2.09	0.00	-42.25	0.00	42.25	1114.05	310.46	765.71	682.44	6.53	-0.559	0.000	0.071
115.00	-10.04	-2.06	0.00	-40.17	0.00	40.17	1109.31	307.99	753.57	674.10	6.65	-0.564	0.000	0.069
120.00	-9.40	-1.92	0.00	-29.87	0.00	29.87	1084.65	295.64	694.33	632.51	7.25	-0.589	0.000	0.056
125.00	-8.78	-1.78	0.00	-20.27	0.00	20.27	1058.34	283.29	637.52	591.21	7.88	-0.610	0.000	0.043
130.00	-8.18	-1.65	0.00	-11.36	0.00	11.36	1030.37	270.93	583.14	550.32	8.53	-0.625	0.000	0.029
135.00	-7.61	-1.52	0.00	-3.13	0.00	3.13	1000.74	258.58	531.18	509.95	9.19	-0.633	0.000	0.014
137.00	-0.20	-0.05	0.00	-0.10	0.00	0.10	988.42	253.64	511.07	493.97	9.46	-0.634	0.000	0.000
139.00	0.00	-0.05	0.00	0.00	0.00	0.00	975.84	248.70	491.35	478.11	9.72	-0.634	0.000	0.000

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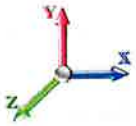
Seismic Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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	

SBA

Load Case: 1.2D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20	**Iterations**	19
Dead Load Factor	1.20	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.18
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.56	**SA**	0.05	**S1**	0.06
						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		1349.4	2.50	52.97	0.16	
10.00		1321.4	7.50	51.87	0.94	
15.00		1293.5	12.50	50.78	2.10	
20.00		1265.6	17.50	49.68	3.51	
25.00		1237.6	22.50	48.58	5.11	
30.00		1209.7	27.50	47.49	6.83	
35.00		1181.7	32.50	46.39	8.64	
40.00		1153.8	37.50	45.29	10.50	
44.00	Bot - Section 2	902.95	42.00	35.44	8.47	
45.00		407.13	44.50	15.98	2.53	
50.00	Top - Section 1	2004.5	47.50	78.68	38.19	
55.00		942.10	52.50	36.98	13.07	
60.00		918.15	57.50	36.04	14.55	
65.00		894.20	62.50	35.10	15.97	
69.00	Top - Section 2	698.12	67.00	27.40	11.93	
70.00		172.13	69.50	6.76	1.28	
75.00		846.30	72.50	33.22	18.60	
80.00	Top - Section 3	822.35	77.50	32.28	19.80	
85.00		676.30	82.50	26.55	15.93	
89.00	Bot - Section 5	526.67	87.00	20.67	11.54	
90.00		225.41	89.50	8.85	3.01	
94.00	Top - Section 4	887.28	92.00	34.83	29.68	
95.00		104.44	94.50	4.10	0.94	
100.00		512.63	97.50	20.12	13.30	
105.00		496.66	102.50	19.50	13.71	
110.00		480.70	107.50	18.87	14.05	
114.00	Top - Section 5	373.06	112.00	14.64	9.92	
115.00		71.85	114.50	2.82	0.69	
120.00		352.07	117.50	13.82	9.76	
125.00		340.10	122.50	13.35	9.87	
130.00		328.12	127.50	12.88	9.94	
135.00		316.15	132.50	12.41	9.96	
137.00	Appurtenance(s)	3508.8	136.00	137.73	533.82	
139.00		100.55	138.00	3.95	1.63	
	Totals:	**27,921.8**		**1,096.0**	**869.9**	**Total Wind:** **20,483.7**

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Calculated Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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	

SBA

Load Case:	1.2D + 1.0Ev + 1.0Eh							**Iterations**	19
Gust Response Factor	1.10				**Sds**	0.20		**Ss**	0.18
Dead Load Factor	1.20	**Seismic Load Factor**	1.00		**Sd1**	0.09		**S1**	0.06
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.56		**SA**	0.05	**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	-34.28	-0.87	0.00	-101.50	0.00	101.50	5289.63	1345.01	6159.16	6006.61		0.00	0.00	0.023
5.00	-32.62	-0.87	0.00	-97.14	0.00	97.14	5214.12	1316.19	5898.01	5792.99		0.00	0.00	0.023
10.00	-30.99	-0.87	0.00	-92.77	0.00	92.77	5136.95	1287.37	5642.52	5581.27		0.01	-0.01	0.023
15.00	-29.40	-0.88	0.00	-88.40	0.00	88.40	5058.12	1258.55	5392.69	5371.57		0.02	-0.01	0.022
20.00	-27.84	-0.87	0.00	-84.02	0.00	84.02	4977.64	1229.72	5148.52	5164.03		0.04	-0.02	0.022
25.00	-26.32	-0.87	0.00	-79.66	0.00	79.66	4895.50	1200.90	4910.00	4958.75		0.06	-0.02	0.021
30.00	-24.83	-0.87	0.00	-75.30	0.00	75.30	4811.70	1172.08	4677.14	4755.86		0.09	-0.03	0.021
35.00	-23.38	-0.86	0.00	-70.98	0.00	70.98	4726.25	1143.25	4449.94	4555.49		0.13	-0.04	0.021
40.00	-21.96	-0.85	0.00	-66.69	0.00	66.69	4639.13	1114.43	4228.39	4357.75		0.17	-0.04	0.020
44.00	-20.85	-0.84	0.00	-63.30	0.00	63.30	4568.25	1091.37	4055.23	4201.54		0.20	-0.05	0.020
45.00	-20.35	-0.84	0.00	-62.46	0.00	62.46	4550.36	1085.61	4012.50	4162.77		0.21	-0.05	0.019
50.00	-17.88	-0.80	0.00	-58.27	0.00	58.27	3711.04	922.79	3382.36	3371.17		0.27	-0.05	0.022
55.00	-16.72	-0.79	0.00	-54.27	0.00	54.27	3641.81	898.08	3203.68	3218.96		0.32	-0.06	0.021
60.00	-15.60	-0.77	0.00	-50.33	0.00	50.33	3570.92	873.38	3029.84	3068.73		0.39	-0.06	0.021
65.00	-14.50	-0.76	0.00	-46.47	0.00	46.47	3498.38	848.67	2860.86	2920.59		0.46	-0.07	0.020
69.00	-13.64	-0.75	0.00	-43.44	0.00	43.44	3439.15	828.91	2729.16	2803.67		0.52	-0.08	0.019
69.00	-13.64	-0.75	0.00	-43.44	0.00	43.44	3439.15	828.91	2729.16	2803.67		0.52	-0.08	0.019
70.00	-13.43	-0.74	0.00	-42.69	0.00	42.69	3424.18	823.97	2696.72	2774.67		0.53	-0.08	0.019
75.00	-12.40	-0.73	0.00	-38.97	0.00	38.97	3348.32	799.26	2537.43	2631.09		0.62	-0.08	0.019
80.00	-11.39	-0.71	0.00	-35.34	0.00	35.34	3270.81	774.56	2383.00	2489.96		0.71	-0.09	0.018
80.00	-11.39	-0.71	0.00	-35.34	0.00	35.34	2592.90	646.55	1992.53	1980.55		0.71	-0.09	0.022
85.00	-10.56	-0.69	0.00	-31.81	0.00	31.81	2535.53	625.97	1867.66	1874.55		0.80	-0.10	0.021
89.00	-9.92	-0.68	0.00	-29.05	0.00	29.05	2488.45	609.50	1770.67	1790.92		0.89	-0.10	0.020
90.00	-9.64	-0.67	0.00	-28.38	0.00	28.38	2476.51	605.38	1746.83	1770.18		0.91	-0.10	0.020
94.00	-8.55	-0.64	0.00	-25.68	0.00	25.68	1825.44	478.96	1366.80	1292.61		1.00	-0.11	0.025
95.00	-8.43	-0.64	0.00	-25.03	0.00	25.03	1817.68	475.67	1348.06	1278.19		1.02	-0.11	0.024
100.00	-7.80	-0.63	0.00	-21.82	0.00	21.82	1777.84	459.20	1256.32	1206.58		1.14	-0.12	0.022
105.00	-7.20	-0.62	0.00	-18.67	0.00	18.67	1736.35	442.73	1167.82	1135.84		1.27	-0.13	0.021
110.00	-6.61	-0.60	0.00	-15.59	0.00	15.59	1693.20	426.26	1082.54	1066.08		1.40	-0.13	0.019
114.00	-6.16	-0.59	0.00	-13.19	0.00	13.19	1657.49	413.08	1016.65	1011.08		1.52	-0.14	0.017
114.00	-6.16	-0.59	0.00	-13.19	0.00	13.19	1114.05	310.46	765.71	682.44		1.52	-0.14	0.025
115.00	-6.07	-0.59	0.00	-12.60	0.00	12.60	1109.31	307.99	753.57	674.10		1.55	-0.14	0.024
120.00	-5.65	-0.58	0.00	-9.65	0.00	9.65	1084.65	295.64	694.33	632.51		1.70	-0.15	0.020
125.00	-5.24	-0.57	0.00	-6.74	0.00	6.74	1058.34	283.29	637.52	591.21		1.86	-0.16	0.016
130.00	-4.85	-0.56	0.00	-3.90	0.00	3.90	1030.37	270.93	583.14	550.32		2.03	-0.16	0.012
135.00	-4.47	-0.55	0.00	-1.10	0.00	1.10	1000.74	258.58	531.18	509.95		2.20	-0.16	0.007
137.00	-0.12	0.00	0.00	0.00	0.00	0.00	988.42	253.64	511.07	493.97		2.27	-0.16	0.000
139.00	0.00	0.00	0.00	0.00	0.00	0.00	975.84	248.70	491.35	478.11		2.33	-0.16	0.000

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Seismic Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20	**Iterations**	19
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09	**Ss**	0.18
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.56	**SA**	0.05	**S1**	0.06
						Seismic Importance Factor	1.00

R: 1.50

Top Elev (ft)	Description	Wz (lb)	Hz (lb)	Vertical Ev (lb)	Lateral Fs (lb)
0.00		0.00	0.00	0.00	0.00
5.00		1334.5	2.50	52.39	0.16
10.00		1306.6	7.50	51.29	0.94
15.00		1278.6	12.50	50.19	2.09
20.00		1250.7	17.50	49.10	3.50
25.00		1222.7	22.50	48.00	5.08
30.00		1194.8	27.50	46.90	6.79
35.00		1166.9	32.50	45.81	8.59
40.00		1138.9	37.50	44.71	10.44
44.00	Bot - Section 2	891.06	42.00	34.98	8.41
45.00		404.16	44.50	15.86	2.53
50.00	Top - Section 1	1989.6	47.50	78.10	38.28
55.00		927.23	52.50	36.40	12.93
60.00		903.28	57.50	35.46	14.37
65.00		879.33	62.50	34.52	15.77
69.00	Top - Section 2	686.22	67.00	26.94	11.77
70.00		169.16	69.50	6.64	1.26
75.00		831.43	72.50	32.64	18.34
80.00	Top - Section 3	807.48	77.50	31.70	19.50
85.00		661.43	82.50	25.96	15.58
89.00	Bot - Section 5	514.78	87.00	20.21	11.28
90.00		222.44	89.50	8.73	2.99
94.00	Top - Section 4	875.38	92.00	34.36	29.47
95.00		101.47	94.50	3.98	0.91
100.00		497.76	97.50	19.54	12.86
105.00		481.79	102.50	18.91	13.24
110.00		465.83	107.50	18.29	13.54
114.00	Top - Section 5	361.16	112.00	14.18	9.55
115.00		68.88	114.50	2.70	0.66
120.00		337.20	117.50	13.24	9.23
125.00		325.23	122.50	12.77	9.31
130.00		313.25	127.50	12.30	9.35
135.00		301.28	132.50	11.83	9.34
137.00	Appurtenance(s)	3502.8	136.00	137.50	540.24
139.00		99.76	138.00	3.92	1.64
	Totals:	**27,513.6**		**1,080.0**	**869.9**

Total Wind: **20,483.7**

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Calculated Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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	

SBA

Load Case: 0.9D + 1.0Ev + 1.0Eh

Gust Response Factor	1.10			**Sds**	0.20			**Iterations**	19
Dead Load Factor	0.90	**Seismic Load Factor**	1.00	**Sd1**	0.09			**Ss**	0.18
Wind Load Factor	0.00	**Structure Frequency (f1)**	0.56	**SA**	0.05	**Seismic Importance Factor**	1.00	**S1**	0.06

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-25.96	-0.87	0.00	-101.23	0.00	101.23	5289.63	1345.01	6159.16	6006.61		0.00	0.00	0.022
5.00	-24.71	-0.87	0.00	-96.88	0.00	96.88	5214.12	1316.19	5898.01	5792.99		0.00	0.00	0.021
10.00	-23.47	-0.87	0.00	-92.52	0.00	92.52	5136.95	1287.37	5642.52	5581.27		0.01	-0.01	0.021
15.00	-22.27	-0.87	0.00	-88.15	0.00	88.15	5058.12	1258.55	5392.69	5371.57		0.02	-0.01	0.021
20.00	-21.09	-0.87	0.00	-83.78	0.00	83.78	4977.64	1229.72	5148.52	5164.03		0.04	-0.02	0.020
25.00	-19.94	-0.87	0.00	-79.43	0.00	79.43	4895.50	1200.90	4910.00	4958.75		0.06	-0.02	0.020
30.00	-18.81	-0.86	0.00	-75.09	0.00	75.09	4811.70	1172.08	4677.14	4755.86		0.09	-0.03	0.020
35.00	-17.71	-0.85	0.00	-70.78	0.00	70.78	4726.25	1143.25	4449.94	4555.49		0.13	-0.04	0.019
40.00	-16.64	-0.84	0.00	-66.51	0.00	66.51	4639.13	1114.43	4228.39	4357.75		0.17	-0.04	0.019
44.00	-15.79	-0.84	0.00	-63.14	0.00	63.14	4568.25	1091.37	4055.23	4201.54		0.20	-0.05	0.018
45.00	-15.41	-0.83	0.00	-62.30	0.00	62.30	4550.36	1085.61	4012.50	4162.77		0.21	-0.05	0.018
50.00	-13.54	-0.80	0.00	-58.13	0.00	58.13	3711.04	922.79	3382.36	3371.17		0.26	-0.05	0.021
55.00	-12.67	-0.78	0.00	-54.15	0.00	54.15	3641.81	898.08	3203.68	3218.96		0.32	-0.06	0.020
60.00	-11.81	-0.77	0.00	-50.24	0.00	50.24	3570.92	873.38	3029.84	3068.73		0.39	-0.06	0.020
65.00	-10.98	-0.75	0.00	-46.39	0.00	46.39	3498.38	848.67	2860.86	2920.59		0.46	-0.07	0.019
69.00	-10.33	-0.74	0.00	-43.37	0.00	43.37	3439.15	828.91	2729.16	2803.67		0.52	-0.07	0.018
69.00	-10.33	-0.74	0.00	-43.37	0.00	43.37	3439.15	828.91	2729.16	2803.67		0.52	-0.07	0.018
70.00	-10.17	-0.74	0.00	-42.63	0.00	42.63	3424.18	823.97	2696.72	2774.67		0.53	-0.08	0.018
75.00	-9.39	-0.72	0.00	-38.93	0.00	38.93	3348.32	799.26	2537.43	2631.09		0.62	-0.08	0.018
80.00	-8.63	-0.70	0.00	-35.32	0.00	35.32	3270.81	774.56	2383.00	2489.96		0.70	-0.09	0.017
80.00	-8.63	-0.70	0.00	-35.32	0.00	35.32	2592.90	646.55	1992.53	1980.55		0.70	-0.09	0.021
85.00	-8.00	-0.69	0.00	-31.80	0.00	31.80	2535.53	625.97	1867.66	1874.55		0.80	-0.10	0.020
89.00	-7.51	-0.68	0.00	-29.06	0.00	29.06	2488.45	609.50	1770.67	1790.92		0.88	-0.10	0.019
90.00	-7.30	-0.67	0.00	-28.38	0.00	28.38	2476.51	605.38	1746.83	1770.18		0.90	-0.10	0.019
94.00	-6.48	-0.64	0.00	-25.69	0.00	25.69	1825.44	478.96	1366.80	1292.61		0.99	-0.11	0.023
95.00	-6.38	-0.64	0.00	-25.05	0.00	25.05	1817.68	475.67	1348.06	1278.19		1.02	-0.11	0.023
100.00	-5.91	-0.63	0.00	-21.84	0.00	21.84	1777.84	459.20	1256.32	1206.58		1.14	-0.12	0.021
105.00	-5.45	-0.61	0.00	-18.70	0.00	18.70	1736.35	442.73	1167.82	1135.84		1.26	-0.13	0.020
110.00	-5.01	-0.60	0.00	-15.63	0.00	15.63	1693.20	426.26	1082.54	1066.08		1.40	-0.13	0.018
114.00	-4.67	-0.59	0.00	-13.22	0.00	13.22	1657.49	413.08	1016.65	1011.08		1.51	-0.14	0.016
114.00	-4.67	-0.59	0.00	-13.22	0.00	13.22	1114.05	310.46	765.71	682.44		1.51	-0.14	0.024
115.00	-4.60	-0.59	0.00	-12.63	0.00	12.63	1109.31	307.99	753.57	674.10		1.54	-0.14	0.023
120.00	-4.28	-0.58	0.00	-9.68	0.00	9.68	1084.65	295.64	694.33	632.51		1.70	-0.15	0.019
125.00	-3.97	-0.57	0.00	-6.77	0.00	6.77	1058.34	283.29	637.52	591.21		1.86	-0.16	0.015
130.00	-3.67	-0.56	0.00	-3.91	0.00	3.91	1030.37	270.93	583.14	550.32		2.02	-0.16	0.011
135.00	-3.38	-0.55	0.00	-1.11	0.00	1.11	1000.74	258.58	531.18	509.95		2.19	-0.16	0.006
137.00	-0.09	0.00	0.00	0.00	0.00	0.00	988.42	253.64	511.07	493.97		2.26	-0.16	0.000
139.00	0.00	0.00	0.00	0.00	0.00	0.00	975.84	248.70	491.35	478.11		2.33	-0.16	0.000

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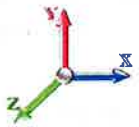
Wind Loading - Shaft

Structure: CT28285-A
Site Name: Thompson 3 CT
Height: 139.00 (ft)
Base Elev: 0.000 (ft)
Gh: 1.1 **Topography:** 1

Code: TIA-222-H 8/9/2023
Exposure: C
Crest Height: 0.00
Site Class: D - Stiff Soil
Struct Class: II

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



Iterations 20

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	6.579	7.24	258.83	0.730	0.000	0.00	0.000	0.00	0.0	0.0	0.0
5.00		1.00	0.85	6.579	7.24	253.33	0.730	0.000	5.00	23.287	17.00	123.0	0.0	1290.0
10.00		1.00	0.85	6.579	7.24	247.83	0.730	0.000	5.00	22.786	16.63	120.4	0.0	1262.0
15.00		1.00	0.85	6.579	7.24	242.33	0.730	0.000	5.00	22.286	16.27	117.7	0.0	1234.1
20.00		1.00	0.90	6.980	7.68	243.94	0.730	0.000	5.00	21.785	15.90	122.1	0.0	1206.1
25.00		1.00	0.95	7.316	8.05	243.94	0.730	0.000	5.00	21.285	15.54	125.0	0.0	1178.2
30.00		1.00	0.98	7.602	8.36	242.75	0.730	0.000	5.00	20.784	15.17	126.9	0.0	1150.2
35.00		1.00	1.01	7.853	8.64	240.71	0.730	0.000	5.00	20.284	14.81	127.9	0.0	1122.3
40.00		1.00	1.04	8.077	8.88	238.02	0.730	0.000	5.00	19.784	14.44	128.3	0.0	1094.4
44.00	Bot - Section 2	1.00	1.06	8.241	9.06	235.49	0.730	0.000	4.00	15.467	11.29	102.3	0.0	855.4
45.00		1.00	1.07	8.280	9.11	234.81	0.730	0.000	1.00	3.880	2.83	25.8	0.0	395.2
50.00	Top - Section 1	1.00	1.09	8.466	9.31	231.19	0.730	0.000	5.00	19.100	13.94	129.8	0.0	1945.1
55.00		1.00	1.12	8.637	9.50	231.21	0.730	0.000	5.00	18.600	13.58	129.0	0.0	882.6
60.00		1.00	1.14	8.797	9.68	226.98	0.730	0.000	5.00	18.099	13.21	127.9	0.0	858.7
65.00		1.00	1.16	8.946	9.84	222.48	0.730	0.000	5.00	17.599	12.85	126.4	0.0	834.7
69.00	Top - Section 2	1.00	1.17	9.060	9.97	218.72	0.730	0.000	4.00	13.719	10.01	99.8	0.0	650.5
70.00		1.00	1.17	9.087	10.00	217.76	0.730	0.000	1.00	3.380	2.47	24.7	0.0	160.2
75.00		1.00	1.19	9.220	10.14	212.83	0.730	0.000	5.00	16.598	12.12	122.9	0.0	786.8
80.00	Top - Section 3	1.00	1.21	9.346	10.28	207.72	0.730	0.000	5.00	16.098	11.75	120.8	0.0	762.9
85.00		1.00	1.22	9.466	10.41	202.45	0.730	0.000	5.00	15.597	11.39	118.6	0.0	616.8
89.00	Bot - Section 5	1.00	1.23	9.558	10.51	198.12	0.730	0.000	4.00	12.118	8.85	93.0	0.0	479.1
90.00		1.00	1.24	9.581	10.54	197.03	0.730	0.000	1.00	3.022	2.21	23.2	0.0	213.5
94.00	Top - Section 4	1.00	1.25	9.669	10.64	192.60	0.730	0.000	4.00	11.886	8.68	92.3	0.0	839.7
95.00		1.00	1.25	9.690	10.66	194.30	0.730	0.000	1.00	2.922	2.13	22.7	0.0	92.5
100.00		1.00	1.27	9.796	10.78	188.64	0.730	0.000	5.00	14.308	10.44	112.5	0.0	453.2
105.00		1.00	1.28	9.897	10.89	182.86	0.730	0.000	5.00	13.807	10.08	109.7	0.0	437.2
110.00		1.00	1.29	9.994	10.99	176.97	0.730	0.000	5.00	13.307	9.71	106.8	0.0	421.2
114.00	Top - Section 5	1.00	1.30	10.070	11.08	172.19	0.730	0.000	4.00	10.285	7.51	83.2	0.0	325.5
115.00		1.00	1.30	10.088	11.10	170.99	0.730	0.000	1.00	2.521	1.84	20.4	0.0	60.0
120.00		1.00	1.32	10.179	11.20	164.91	0.730	0.000	5.00	12.306	8.98	100.6	0.0	292.6
125.00		1.00	1.33	10.267	11.29	158.75	0.730	0.000	5.00	11.806	8.62	97.3	0.0	280.6
130.00		1.00	1.34	10.352	11.39	152.50	0.730	0.000	5.00	11.305	8.25	94.0	0.0	268.6
135.00		1.00	1.35	10.435	11.48	146.18	0.730	0.000	5.00	10.805	7.89	90.5	0.0	256.7
137.00	Appurtenance(s)	1.00	1.35	10.467	11.51	143.63	0.730	0.000	2.00	4.182	3.05	35.1	0.0	99.3
139.00		1.00	1.36	10.499	11.55	141.07	0.730	0.000	2.00	4.102	2.99	34.6	0.0	97.4
								Totals:	**139.00**			**3,235.5**		**22,903.3**

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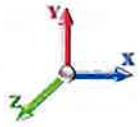
Discrete Appurtenance Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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: 1.0D + 1.0W 60 mph Wind

Dead Load Factor 1.00

Wind Load Factor 1.00



Iterations 20

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	137.00	Low profile platform	1	10.467	11.514	1.00	1.00	50.20	2224.79	0.000	0.000	577.98	0.00	0.00
2	137.00	LNX-6514DS-A1M	3	10.467	11.514	0.62	0.75	17.18	96.30	0.000	0.000	197.82	0.00	0.00
3	137.00	MT6407-77A	3	10.467	11.514	0.52	0.75	7.37	261.30	0.000	0.000	84.87	0.00	0.00
4	137.00	SBNHH-1D65B	6	10.467	11.514	0.62	0.75	30.48	240.00	0.000	0.000	350.91	0.00	0.00
5	137.00	B2/B66A RRH-BR049	3	10.467	11.514	0.62	0.75	3.51	253.20	0.000	0.000	40.42	0.00	0.00
6	137.00	B5/B13 RRH-BR04C	3	10.467	11.514	0.58	0.75	3.26	210.90	0.000	0.000	37.50	0.00	0.00
7	137.00	RC3DC-3315-PF-48	2	10.467	11.514	0.62	0.75	3.75	64.00	0.000	0.000	43.15	0.00	0.00
8	137.00	Kaelus KA-6030	2	10.467	11.514	0.62	0.75	1.20	35.20	0.000	0.000	13.76	0.00	0.00
							Totals:		**3,385.69**			**1,346.40**		

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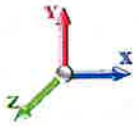
Total Applied Force Summary

Structure:	CT28285-A		**Code:**	TIA-222-H	8/9/2023
Site Name:	Thompson 3 CT		**Exposure:**	C	
Height:	139.00 (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 20

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		123.02	1339.52	0.00	0.00
10.00		120.38	1311.58	0.00	0.00
15.00		117.73	1283.64	0.00	0.00
20.00		122.11	1255.69	0.00	0.00
25.00		125.05	1227.75	0.00	0.00
30.00		126.89	1199.81	0.00	0.00
35.00		127.91	1171.87	0.00	0.00
40.00		128.32	1143.92	0.00	0.00
44.00		102.35	895.02	0.00	0.00
45.00		25.80	405.15	0.00	0.00
50.00		129.84	1994.62	0.00	0.00
55.00		129.00	932.19	0.00	0.00
60.00		127.85	908.24	0.00	0.00
65.00		126.43	884.29	0.00	0.00
69.00		99.80	690.19	0.00	0.00
70.00		24.66	170.15	0.00	0.00
75.00		122.89	836.39	0.00	0.00
80.00		120.81	812.44	0.00	0.00
85.00		118.56	666.39	0.00	0.00
89.00		93.01	518.74	0.00	0.00
90.00		23.25	223.43	0.00	0.00
94.00		92.29	879.35	0.00	0.00
95.00		22.73	102.46	0.00	0.00
100.00		112.54	502.72	0.00	0.00
105.00		109.73	486.75	0.00	0.00
110.00		106.79	470.78	0.00	0.00
114.00		83.17	365.13	0.00	0.00
115.00		20.42	69.87	0.00	0.00
120.00		100.59	342.16	0.00	0.00
125.00		97.33	330.19	0.00	0.00
130.00		93.98	318.21	0.00	0.00
135.00		90.53	306.23	0.00	0.00
137.00	(23) attachments	1381.55	3504.83	0.00	0.00
139.00		34.58	100.02	0.00	0.00
	Totals:	**4,581.88**	**27,649.71**	**0.00**	**0.00**

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Linear Appurtenance Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 20

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	0.018	0.000	6.579	0.00	1.37
5.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	6.579	0.00	5.20
10.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.018	0.000	6.579	0.00	1.37
10.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.018	0.000	6.579	0.00	5.20
15.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	6.579	0.00	1.37
15.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	6.579	0.00	5.20
20.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.019	0.000	6.980	0.00	1.37
20.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.019	0.000	6.980	0.00	5.20
25.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	7.316	0.00	1.37
25.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	7.316	0.00	5.20
30.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.020	0.000	7.602	0.00	1.37
30.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.020	0.000	7.602	0.00	5.20
35.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	7.853	0.00	1.37
35.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	7.853	0.00	5.20
40.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.021	0.000	8.077	0.00	1.37
40.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.021	0.000	8.077	0.00	5.20
44.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.022	0.000	8.241	0.00	1.09
44.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.022	0.000	8.241	0.00	4.16
45.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.022	0.000	8.280	0.00	0.27
45.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.022	0.000	8.280	0.00	1.04
50.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.022	0.000	8.466	0.00	1.37
50.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.022	0.000	8.466	0.00	5.20
55.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	8.637	0.00	1.37
55.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	8.637	0.00	5.20
60.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.023	0.000	8.797	0.00	1.37
60.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.023	0.000	8.797	0.00	5.20
65.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.024	0.000	8.946	0.00	1.37
65.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.024	0.000	8.946	0.00	5.20
69.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.025	0.000	9.060	0.00	1.09
69.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.025	0.000	9.060	0.00	4.16
70.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.025	0.000	9.087	0.00	0.27
70.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.025	0.000	9.087	0.00	1.04
75.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.025	0.000	9.220	0.00	1.37
75.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.025	0.000	9.220	0.00	5.20
80.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.026	0.000	9.346	0.00	1.37
80.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.026	0.000	9.346	0.00	5.20
85.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.027	0.000	9.466	0.00	1.37
85.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.027	0.000	9.466	0.00	5.20
89.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.028	0.000	9.558	0.00	1.09
89.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.028	0.000	9.558	0.00	4.16
90.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.028	0.000	9.581	0.00	0.27
90.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.028	0.000	9.581	0.00	1.04
94.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.029	0.000	9.669	0.00	1.09
94.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.029	0.000	9.669	0.00	4.16
95.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.029	0.000	9.690	0.00	0.27
95.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.029	0.000	9.690	0.00	1.04
100.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.029	0.000	9.796	0.00	1.37

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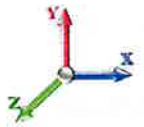
Linear Appurtenance Segment Forces (Factored)

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 20

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)
100.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.029	0.000	9.796	0.00	5.20
105.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.030	0.000	9.897	0.00	1.37
105.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.030	0.000	9.897	0.00	5.20
110.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.032	0.000	9.994	0.00	1.37
110.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.032	0.000	9.994	0.00	5.20
114.00	Safety Cable	Yes	4.00	0.000	0.38	0.13	0.00	0.033	0.000	10.070	0.00	1.09
114.00	Step bolts (ladder)	Yes	4.00	0.000	0.63	0.21	0.00	0.033	0.000	10.070	0.00	4.16
115.00	Safety Cable	Yes	1.00	0.000	0.38	0.03	0.00	0.033	0.000	10.088	0.00	0.27
115.00	Step bolts (ladder)	Yes	1.00	0.000	0.63	0.05	0.00	0.033	0.000	10.088	0.00	1.04
120.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.034	0.000	10.179	0.00	1.37
120.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.034	0.000	10.179	0.00	5.20
125.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.036	0.000	10.267	0.00	1.37
125.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.036	0.000	10.267	0.00	5.20
130.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.037	0.000	10.352	0.00	1.37
130.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.037	0.000	10.352	0.00	5.20
135.00	Safety Cable	Yes	5.00	0.000	0.38	0.16	0.00	0.039	0.000	10.435	0.00	1.37
135.00	Step bolts (ladder)	Yes	5.00	0.000	0.63	0.26	0.00	0.039	0.000	10.435	0.00	5.20
137.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.040	0.000	10.467	0.00	0.55
137.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.040	0.000	10.467	0.00	2.08
139.00	Safety Cable	Yes	2.00	0.000	0.38	0.06	0.00	0.041	0.000	10.499	0.00	0.55
139.00	Step bolts (ladder)	Yes	2.00	0.000	0.63	0.10	0.00	0.041	0.000	10.499	0.00	2.08
										Totals:	**0.0**	**182.5**

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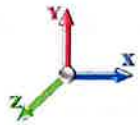
Calculated Forces

Structure:	CT28285-A	**Code:**	TIA-222-H	8/9/2023	
Site Name:	Thompson 3 CT	**Exposure:**	C		
Height:	139.00 (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 20

Seg Elev (ft)	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Total Deflect (in)	Rotation Sway (deg)	Rotation Twist (deg)	Stress Ratio
0.00	-27.65	-4.59	0.00	-411.46	0.00	411.46	5289.63	1345.01	6159.16	6006.61	0.00	0.000	0.000	0.074
5.00	-26.31	-4.47	0.00	-388.53	0.00	388.53	5214.12	1316.19	5898.01	5792.99	0.01	-0.019	0.000	0.072
10.00	-24.99	-4.36	0.00	-366.17	0.00	366.17	5136.95	1287.37	5642.52	5581.27	0.04	-0.039	0.000	0.070
15.00	-23.71	-4.25	0.00	-344.38	0.00	344.38	5058.12	1258.55	5392.69	5371.57	0.09	-0.058	0.000	0.069
20.00	-22.45	-4.13	0.00	-323.13	0.00	323.13	4977.64	1229.72	5148.52	5164.03	0.16	-0.078	0.000	0.067
25.00	-21.22	-4.01	0.00	-302.47	0.00	302.47	4895.50	1200.90	4910.00	4958.75	0.26	-0.098	0.000	0.065
30.00	-20.02	-3.89	0.00	-282.40	0.00	282.40	4811.70	1172.08	4677.14	4755.86	0.37	-0.117	0.000	0.064
35.00	-18.85	-3.77	0.00	-262.95	0.00	262.95	4726.25	1143.25	4449.94	4555.49	0.50	-0.137	0.000	0.062
40.00	-17.71	-3.64	0.00	-244.11	0.00	244.11	4639.13	1114.43	4228.39	4357.75	0.66	-0.157	0.000	0.060
44.00	-16.81	-3.54	0.00	-229.55	0.00	229.55	4568.25	1091.37	4055.23	4201.54	0.80	-0.173	0.000	0.058
45.00	-16.40	-3.52	0.00	-226.01	0.00	226.01	4550.36	1085.61	4012.50	4162.77	0.83	-0.177	0.000	0.058
50.00	-14.41	-3.38	0.00	-208.43	0.00	208.43	3711.04	922.79	3382.36	3371.17	1.03	-0.197	0.000	0.066
55.00	-13.48	-3.26	0.00	-191.51	0.00	191.51	3641.81	898.08	3203.68	3218.96	1.25	-0.217	0.000	0.063
60.00	-12.57	-3.13	0.00	-175.23	0.00	175.23	3570.92	873.38	3029.84	3068.73	1.49	-0.239	0.000	0.061
65.00	-11.68	-3.00	0.00	-159.58	0.00	159.58	3498.38	848.67	2860.86	2920.59	1.75	-0.261	0.000	0.058
69.00	-10.99	-2.90	0.00	-147.56	0.00	147.56	3439.15	828.91	2729.16	2803.67	1.97	-0.278	0.000	0.056
69.00	-10.99	-2.90	0.00	-147.56	0.00	147.56	3439.15	828.91	2729.16	2803.67	1.97	-0.278	0.000	0.056
70.00	-10.82	-2.88	0.00	-144.66	0.00	144.66	3424.18	823.97	2696.72	2774.67	2.03	-0.282	0.000	0.055
75.00	-9.98	-2.76	0.00	-130.26	0.00	130.26	3348.32	799.26	2537.43	2631.09	2.34	-0.304	0.000	0.053
80.00	-9.17	-2.63	0.00	-116.48	0.00	116.48	3270.81	774.56	2383.00	2489.96	2.67	-0.324	0.000	0.050
80.00	-9.17	-2.63	0.00	-116.48	0.00	116.48	2592.90	646.55	1992.53	1980.55	2.67	-0.324	0.000	0.062
85.00	-8.51	-2.51	0.00	-103.31	0.00	103.31	2535.53	625.97	1867.66	1874.55	3.02	-0.345	0.000	0.058
89.00	-7.99	-2.42	0.00	-93.25	0.00	93.25	2488.45	609.50	1770.67	1790.92	3.32	-0.364	0.000	0.055
90.00	-7.76	-2.40	0.00	-90.83	0.00	90.83	2476.51	605.38	1746.83	1770.18	3.39	-0.369	0.000	0.054
94.00	-6.88	-2.30	0.00	-81.24	0.00	81.24	1825.44	478.96	1366.80	1292.61	3.71	-0.387	0.000	0.067
95.00	-6.78	-2.28	0.00	-78.94	0.00	78.94	1817.68	475.67	1348.06	1278.19	3.79	-0.392	0.000	0.066
100.00	-6.28	-2.17	0.00	-67.54	0.00	67.54	1777.84	459.20	1256.32	1206.58	4.22	-0.418	0.000	0.060
105.00	-5.79	-2.05	0.00	-56.71	0.00	56.71	1736.35	442.73	1167.82	1135.84	4.67	-0.443	0.000	0.053
110.00	-5.32	-1.95	0.00	-46.44	0.00	46.44	1693.20	426.26	1082.54	1066.08	5.15	-0.466	0.000	0.047
114.00	-4.96	-1.86	0.00	-38.65	0.00	38.65	1657.49	413.08	1016.65	1011.08	5.54	-0.482	0.000	0.041
114.00	-4.96	-1.86	0.00	-38.65	0.00	38.65	1114.05	310.46	765.71	682.44	5.54	-0.482	0.000	0.061
115.00	-4.89	-1.84	0.00	-36.79	0.00	36.79	1109.31	307.99	753.57	674.10	5.65	-0.487	0.000	0.059
120.00	-4.54	-1.74	0.00	-27.59	0.00	27.59	1084.65	295.64	694.33	632.51	6.17	-0.510	0.000	0.048
125.00	-4.21	-1.64	0.00	-18.89	0.00	18.89	1058.34	283.29	637.52	591.21	6.71	-0.530	0.000	0.036
130.00	-3.90	-1.54	0.00	-10.69	0.00	10.69	1030.37	270.93	583.14	550.32	7.28	-0.544	0.000	0.023
135.00	-3.59	-1.45	0.00	-2.97	0.00	2.97	1000.74	258.58	531.18	509.95	7.85	-0.551	0.000	0.009
137.00	-0.10	-0.04	0.00	-0.07	0.00	0.07	988.42	253.64	511.07	493.97	8.08	-0.552	0.000	0.000
139.00	0.00	-0.03	0.00	0.00	0.00	0.00	975.84	248.70	491.35	478.11	8.31	-0.552	0.000	0.000

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Reactions

Load Case	Shear FX (kips)	Shear FZ (kips)	Axial FY (kips)	Moment MX (ft-kips)	Moment MY (ft-kips)	Moment MZ (ft-kips)
1.2D + 1.0W 120 mph Wind	20.5	0.00	33.16	0.00	0.00	1844.63
0.9D + 1.0W 120 mph Wind	20.5	0.00	24.87	0.00	0.00	1836.53
1.2D + 1.0Di + 1.0Wi 50 mph Wind	5.7	0.00	44.13	0.00	0.00	495.54
1.2D + 1.0Ev + 1.0Eh	0.9	0.00	34.28	0.00	0.00	101.50
0.9D + 1.0Ev + 1.0Eh	0.9	0.00	25.96	0.00	0.00	101.23
1.0D + 1.0W 60 mph Wind	4.6	0.00	27.65	0.00	0.00	411.46

Max Stresses

Load Case	Pu FY (-) (kips)	Vu FX (-) (kips)	Tu MY (-) (ft-kips)	Mu MZ (ft-kips)	Mu MX (ft-kips)	Resultant Moment (ft-kips)	phi Pn (kips)	phi Vn (kips)	phi Tn (ft-kips)	phi Mn (ft-kips)	Elev (ft)	Stress Ratio
1.2D + 1.0W 120 mph Wind	-33.16	-20.51	0.00	-1844.6	0.00	-1844.6	5289.63	1345.0	6159.16	6006.61	0.00	0.314
0.9D + 1.0W 120 mph Wind	-24.87	-20.50	0.00	-1836.5	0.00	-1836.5	5289.63	1345.0	6159.16	6006.61	0.00	0.311
1.2D + 1.0Di + 1.0Wi 50 mph Wind	-44.13	-5.70	0.00	-495.54	0.00	-495.54	5289.63	1345.0	6159.16	6006.61	0.00	0.091
1.2D + 1.0Ev + 1.0Eh	-6.16	-0.59	0.00	-13.19	0.00	-13.19	1657.49	413.08	1016.65	1011.08	114.00	0.025
0.9D + 1.0Ev + 1.0Eh	-4.67	-0.59	0.00	-13.22	0.00	-13.22	1657.49	413.08	1016.65	1011.08	114.00	0.024
1.0D + 1.0W 60 mph Wind	-27.65	-4.59	0.00	-411.46	0.00	-411.46	5289.63	1345.0	6159.16	6006.61	0.00	0.074

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Base Plate Summary

Structure:	CT28285-A		**Code:**	TIA-222-H	8/9/2023
Site Name:	Thompson 3 CT		**Exposure:**	C	
Height:	139.00 (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

SBA

Reactions		Base Plate		Anchor Bolts	
Original Design		**Yield (ksi):**	50.00	**Bolt Circle:**	62.00
Moment (kip-ft):	5040.00	**Width (in):**	68.00	**Number Bolts:**	18.00
Axial (kip):	55.00	**Style:**	Round	**Bolt Type:**	2.00" F1554 105
Shear (kip):	49.00	**Polygon Sides:**	0.00	**Bolt Diameter (in):**	2.00
Analysis (1.2D + 1.0W)		**Clip Length (in):**	0.00	**Yield (ksi):**	105.00
Moment (kip-ft):	1844.63	**Effective Len (in):**	15.09	**Ultimate (ksi):**	125.00
Axial (kip):	33.16	**Moment (kip-in):**	258.56	**Arrangement:**	Radial
Shear (kip):	20.51	**Allow Stress (ksi):**	67.50	**Cluster Dist (in):**	0.00
		Applied Stress (ksi):	16.20	**Start Angle (deg):**	0.00
		Stress Ratio:	0.24	Compression	
				Force (kip):	81.18
				Allowable (kip):	296.88
				Ratio:	0.27
				Tension	
				Force (kip):	77.50
				Allowable (kip):	234.38
				Ratio:	0.33

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Monopole Mat Foundation Design

				Date
				8/9/2023
Customer Name:	Verizon	TIA Standard:	TIA-222-H	
Site Name:	Thompson 3 CT	Structure Height (Ft.):	139	
Site Number:	CT28285-A	Engineer Name:	SBA Engineer	
Engr. Number:		Engineer Login ID:		

Foundation Info Obtained from: Drawings/Calculations

Structure Type: Monopole

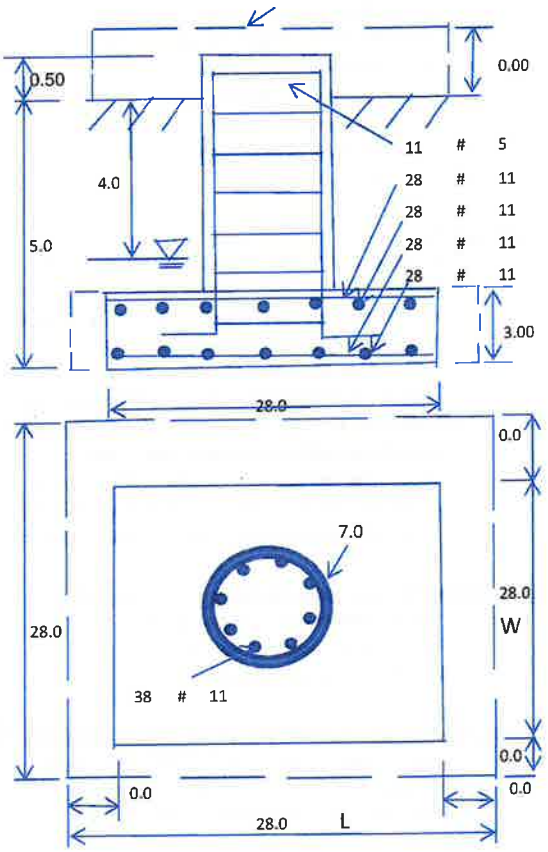
Analysis or Design? Analysis

Base Reactions (Factored):

Axial Load (Kips):	33.2	Shear Force (Kips):	20.5
Uplift Force (Kips):	0.0	Moment (Kips-ft):	1844.6

Foundation Geometries:

		Mods required -Yes/No ?:	No
Diameter of Pier (ft.):	7.0	Depth of Base BG (ft.):	5.0
Pier Height A. G. (ft.):	0.50	Thickness of Pad (ft):	3.00
Length of Pad (ft.):	28	Width of Pad (ft.):	28
Final Length of pad (ft)	28.0	Final width of pad (ft):	28.0



Material Properties and Reabr Info:

Concrete Strength (psi):	4000	Steel Elastic Modulus:	29000	ksi
Vertical bar yield (ksi)	60	Tie steel yield (ksi):	40	
Vertical Rebar Size #:	11	Tie / Stirrup Size #:	5	
Qty. of Vertical Rebars:	38	Tie Spacing (in):	6.0	
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):	28	Qty. of Rebar in Pad (W):	28	
Rebar at the top of the concrete pad:				
Qty. of Rebar in Pad (L):	28	Qty. of Rebar in Pad (W):	28	

Soil Design Parameters:

Soil Unit Weight (pcf):	100.0	Soil Buoyant Weight:	50.0	Pcf		
Water Table B.G.S. (ft):	4.0	Unit Weight of Water:	62.4	pcf	Angle from Top of Pad:	30
Ultimate Bearing Pressure (psf):	6000	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.):	1491.03	Total Dry Soil Weight (Kips):	149.10
Total Buoyant Soil Volume (cu. Ft.):	0.00	Total Buoyant Soil Weight (Kips):	0.00
Total Effective Soil Weight (Kips):	149.10	Weight from the Concrete Block at Top (K):	0.00
Total Dry Concrete Volume (cu. Ft.):	1664.21	Total Dry Concrete Weight (Kips):	249.63
Total Buoyant Concrete Volume (cu. Ft.):	784.00	Total Buoyant Concrete Weight (Kips):	68.68
Total Effective Concrete Weight (Kips):	318.31	Total Vertical Load on Base (Kips):	500.61

Check Soil Capacities:

				Load/ Capacity Ratio	
Calculated Maxium Net Soil Pressure under the base (psf):	1136	<	Allowable Factored Soil Bearing (psf): 4500	0.25	OK!
Allowable Foundation Overturning Resistance (kips-ft.):	6354.2	>	Design Factored Momont (kips-ft): 1957	0.31	OK!
Factor of Safety Against Overturning (O. R. Moment/Design Moment):	3.25	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):	0.31			
Calculated Moment Capacity (Mn,Kips-Ft):	9447.1 >	Design Factored Moment (Mu, Kips-F:	1895.9		0.20	OK!
Calculated Shear Capacity (Kips):	803.5 >	Design Factored Shear (Kips):	20.5		0.03	OK!
Calculated Tension Capacity (Tn, Kips):	3201.1 >	Design Factored Tension (Tu Kips):	0.0		0.00	OK!
Calculated Compression Capacity (Pn, Kips):	9693.0 >	Design Factored Axial Load (Pu Kips):	33.2		0.00	OK!
Moment & Axial Strength Combination:	0.20 OK!	Check Tie Spacing (Design/Required):			0.5	OK!
Pier Reinforcement Ratio:	0.011	Reinforcement Ratio is satisfied per ACI				
(2).Concrete Pad:						
One-Way Design Shear Capacity (L-Direction, Kips):	1030.0 >	One-Way Factored Shear (L-D. Kips):	157.7		0.15	OK!
One-Way Design Shear Capacity (W-Direction, Kips):	1030.0 >	One-Way Factored Shear (W-D., Kips)	157.7		0.15	OK!
One-Way Design Shear Capacity (Corner-Corner. Kips):	1001.0 >	One-Way Factored Shear (C-C, Kips):	143.1		0.14	OK!
Lower Steel Pad Reinforcement Ratio (L-Direct.):	0.0040 OK!	Lower Steel Pad Reinf. Ratio (W-Direc	0.0040			
Lower Steel Pad Moment Capacity (L-Direction. Kips-ft):	6125.9 >	Moment at Bottom (L-Dir. K-Ft):	1003.2		0.16	OK!
Lower Steel Pad Moment Capacity (W-Direction. Kips-ft):	6125.9 >	Moment at Bottom (W-Dir. K-Ft):	1003.2		0.16	OK!
Lower Steel Pad Moment Capacity (Corner-Corner,K-ft):	8594.8 >	Moment at Bottom (C-C Dir. K-Ft):	1418.7		0.17	OK!
Upper Steel Pad Reinforcement Ratio (L-Direct.):	0.0040 OK!	Upper Steel Reinf. Ratio (W-Dir.):	0.0040			
Upper Steel Pad Moment Capacity (L-Direc. Kips-ft):	6125.9 >	Moment at the top (L-Dir K-Ft):	313.8		0.05	OK!
Upper Steel Pad Moment Capacity (W-Direc. Kips-ft):	6125.9 >	Moment at the top (W-Dir K-Ft):	313.8		0.05	OK!
Upper Steel Pad Moment Capacity (Corner-Corner. K-ft):	8594.8 >	Moment at the top (C-C Dir. K-Ft):	293.4		0.03	OK!
(3).Check Punching Shear Capacity due to Moment in the Pier:						
Moment transferred by punching shear:	737.8 k-ft.	Max. factored shear stress v_{u_CD}:			1.4	Psi
Max. factored shear stress v_{u_AB}:	5.8 Psi	Factored shear Strength ϕv_n:			189.7	Psi
Max. factored shear stress v_u:	5.8 Psi	Check Usage of Punching Shear Capacity:			0.03	OK!
(4).Check Bending Capacity of the Pad Within the Effective Slab Width:						
Overturning moment to be transferred by flexure:	553.4 k-ft.	Effective Width for resisting OT moment:			16.0	ft.
Calculated number of Rebar in Effective width:	16	Actual number of Rebar in Effective width:			16	
Steel Pad Moment Capacity (L-Direc. Kips-ft):	3500.5 k-ft.	Check Usage of the Flexure Capacity:			0.16	OK!

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Antenna Mount Analysis Report and PMI Requirements

Mount ReAnalysis

SMART Tool Project #: 10207172
Colliers Engineering & Design CT, PC Project #: 23777167

July 24, 2023

Site Information	*Site ID:*	*5000055445-VZW / THOMPSON 2 CT*
	Site Name:	*THOMPSON 2 CT*
	Carrier Name:	*Verizon Wireless*
	Address:	*347 Riverside Drive* *North Grosvenordale, Connecticut 06255* *Windham County*
	Latitude:	*41.953194°*
	Longitude:	*-71.883611°*
Structure Information	*Tower Type:*	*140-Ft Monopole*
	Mount Type:	*14.50-Ft Platform*

FUZE ID # 17123826

Analysis Results

Platform: **56.2% Pass***

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

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

Report Prepared By: Carol Luengas

Digitally signed by Derek Hartzell
Date: 2023.07.24 09:33:01-07'00'

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: 650338, dated October 15, 2020*
Mount Mapping Report	*Tower Engineering Professionals, Site ID: 535837, dated December 7, 2020*
Previous Mount Modification Report	*Maser Consulting Connecticut, Project #: 20777388A (Rev 2), dated August 20, 2021*
Previous Post Modification Inspection	*Maser Consulting Connecticut, Project #: 20777388A, dated November 14, 2022*
Filter Add Scope	*Provided by Verizon Wireless*

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut Building State Building (CSBC), Effective October 1, 2022	
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT}:	120 mph
	Ice Wind Speed (3-sec. Gust):	50 mph
	Design Ice Thickness:	1.00 in
	Risk Category:	II
	Exposure Category:	C
	Topographic Category:	1
	Topographic Feature Considered:	N/A
	Topographic Method:	N/A
	Ground Elevation Factor, K_e:	0.986
Seismic Parameters:	S_S:	0.185 g
	S_1:	0.056 g
Maintenance Parameters:	Wind Speed (3-sec. Gust):	30 mph
	Maintenance Load, Lv:	250 lbs.
	Maintenance Load, Lm:	500 lbs.
Analysis Software:	RISA-3D (V17)	

Final Loading Configuration:

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

Mount Elevation (ft)	Equipment Elevation (ft)	Quantity	Manufacturer	Model	Status
136.00	137.00	6	Andrew	SBNHH-1D65B	Retained
		3	Commscope	LNX-6514DS-A1M	
		3	Samsung	MT6407-77A	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		2	Raycap	RHSDC-3315-PF-48	
		2	KAelus	KA-6030	Added

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

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

Standard Conditions:

1. All engineering services are performed on the basis that the information provided to Colliers Engineering & Design 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	14.7 %	Pass
Mount Pipe	36.9 %	Pass
Replacement Mount Pipe	29.2 %	Pass
Standoff Horizontal	16.5 %	Pass
Platform Crossmember	56.2 %	Pass
Corner Plate	37.3 %	Pass
Grating Support	29.3 %	Pass
Cross Arm Plate	20.2 %	Pass
Extension HSS	18.5 %	Pass
Support Rail	19.9 %	Pass
Support Rail Corner	43.8 %	Pass
Kicker	9.3 %	Pass
Mount Connection	43.4 %	Pass
Structure Rating – *(Controlling Utilization of all Components)*		**56.2%**

BASELINE mount weight per SBA agreement: 2224.79 lbs

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

The weights listed above include 3 sector(s).

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	35.1	35.1	50.2	50.2
0.5	45.7	45.7	66.8	66.8
1	54.6	54.6	81.7	81.7

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 to install proposed filter on support rail in Gamma sector. See Placement Diagrams for reference.

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 #: 5000055445 SMART Project #: 10207172 Fuze Project ID: 17123826

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 to install proposed filter on support rail in Gamma sector. See Placement Diagrams for reference.

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: 5000055445-VZW - THOMPSON 2 CT

Sector: **A**

Structure Type: Monopole

Mount Elev: 136.00

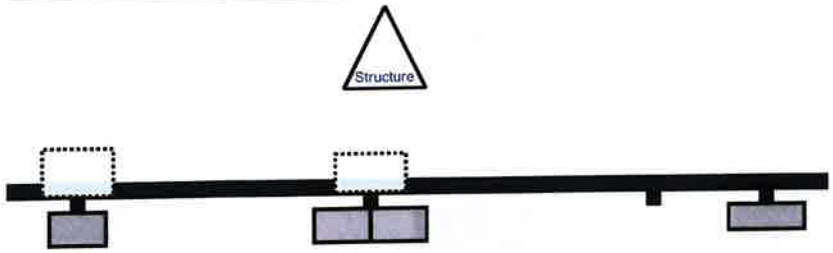
10207172

7/19/2023

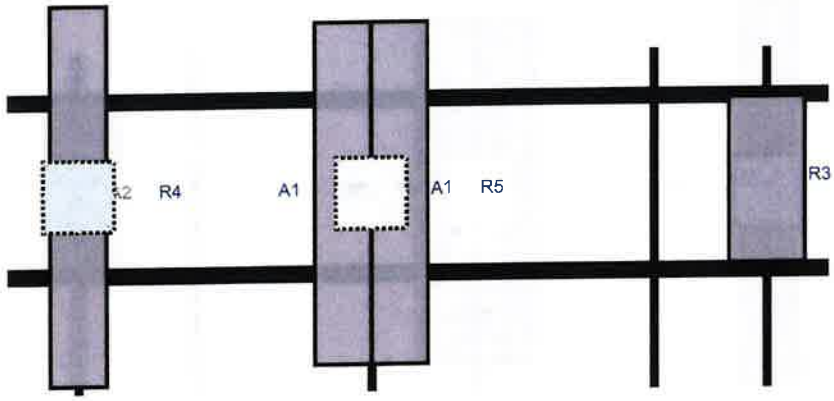
Page: 1

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
R3	MT6407-77A	35.1	16.1	161	1	a	Front	27.96	0	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	a	Front	30	6	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	b	Front	30	-6	Retained	10/21/2022
R5	B5/B13 RRH-BR04C	15	15	77	3	a	Behind	30	0	Retained	10/21/2022
A2	LNX-6514DS-A1M	80.6	11.9	15	4	a	Front	30	0	Retained	10/21/2022
R4	B2/B66A RRH-BR049	15	15	15	4	a	Behind	30	0	Retained	10/21/2022
M100	RHSDC-3315-PF-48	25.7	17.3		Member					Retained	10/21/2022
M98	RHSDC-3315-PF-48	25.7	17.3		Member					Retained	10/21/2022

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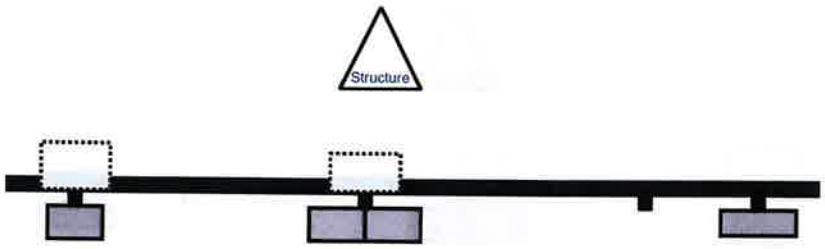
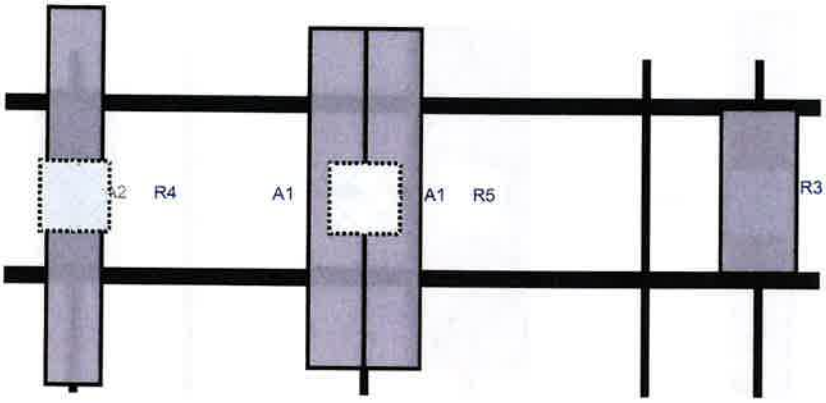
Plan View



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
R3	MT6407-77A	35.1	16.1	161	1	a	Front	27.96	0	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	a	Front	30	6	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	b	Front	30	-6	Retained	10/21/2022
R5	B5/B13 RRH-BR04C	15	15	77	3	a	Behind	30	0	Retained	10/21/2022
A2	LNX-6514DS-A1M	80.6	11.9	15	4	a	Front	30	0	Retained	10/21/2022
R4	B2/B66A RRH-BR049	15	15	15	4	a	Behind	30	0	Retained	10/21/2022

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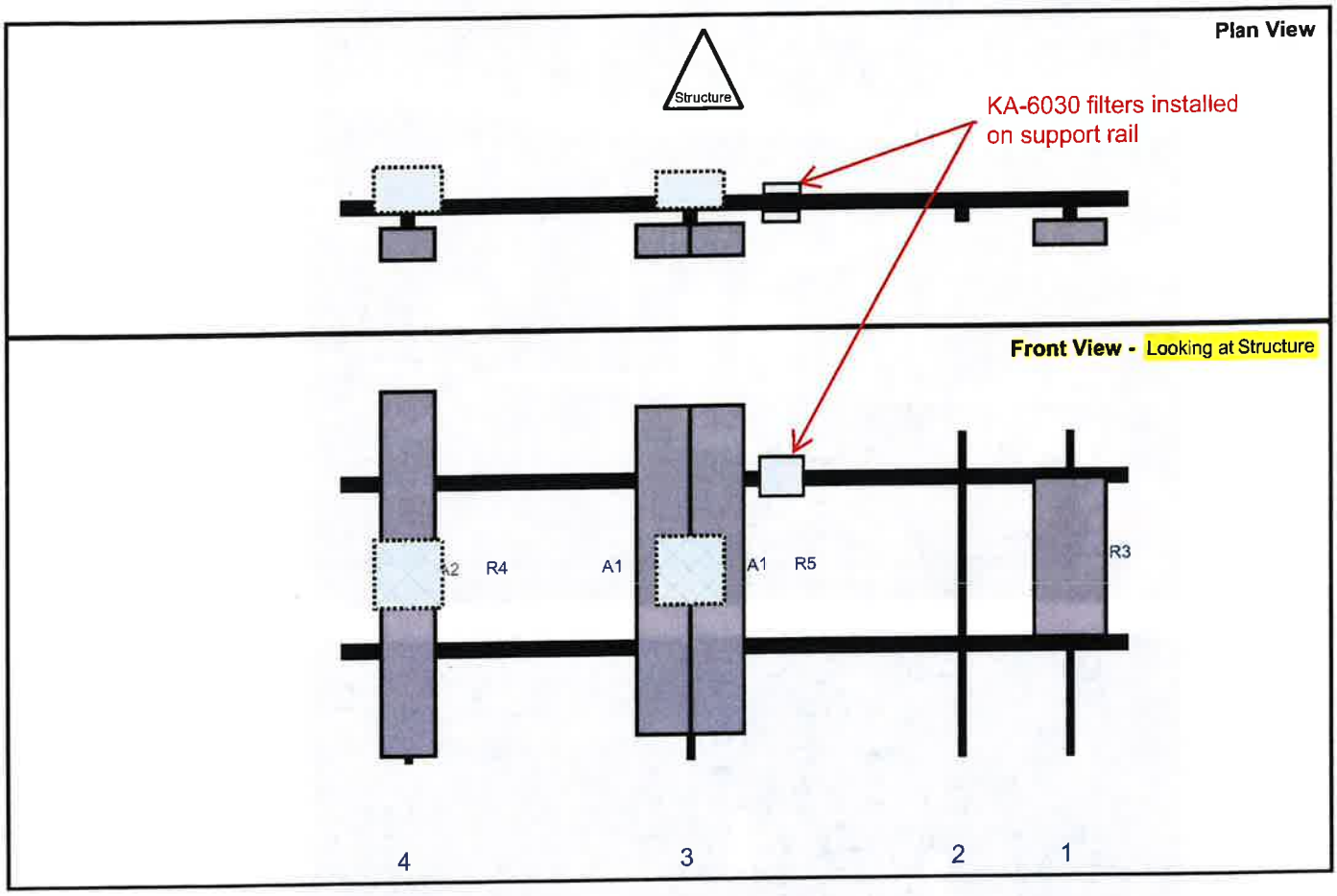

Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R3	MT6407-77A	35.1	16.1	161	1	a	Front	27.96	0	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	a	Front	30	6	Retained	10/21/2022
A1	SBNHH-1D65B	72.6	11.9	77	3	b	Front	30	-6	Retained	10/21/2022
R5	B5/B13 RRH-BR04C	15	15	77	3	a	Behind	30	0	Retained	10/21/2022
A2	LNX-6514DS-A1M	80.6	11.9	15	4	a	Front	30	0	Retained	10/21/2022
R4	B2/B66A RRH-BR049	15	15	15	4	a	Behind	30	0	Retained	10/21/2022
M108	KA-6030	10.6	10.9		Member					Added	
M109	KA-6030	10.6	10.9		Member					Added	

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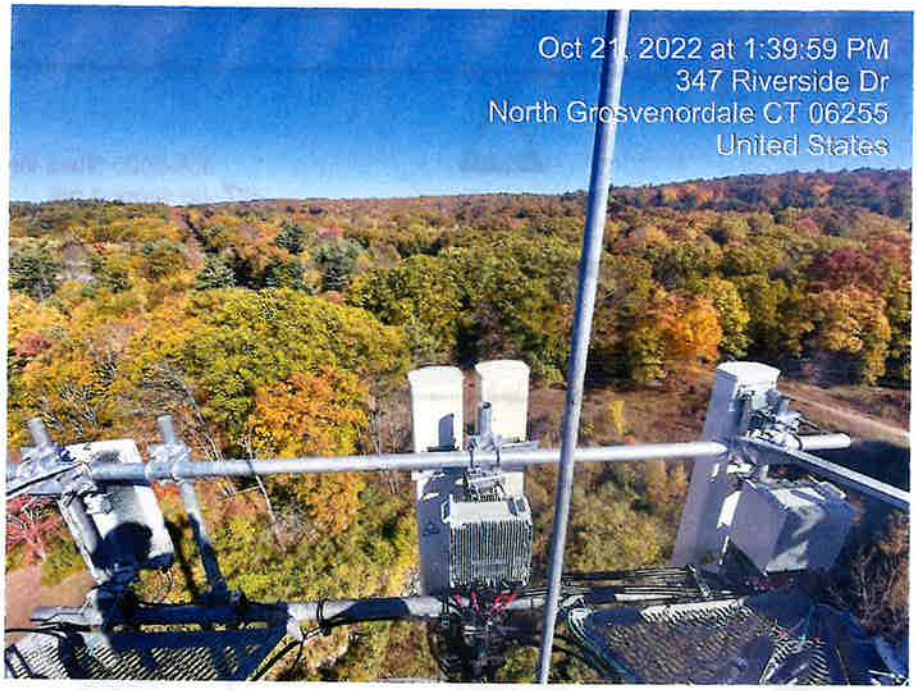
Oct 21, 2022 at 1:39:59 PM
347 Riverside Dr
North Grosvenordale CT 06255
United States

Oct 21, 2022 at 2:12:21 PM
347 Riverside Dr
North Grosvenordale CT 06255
United States

V3.0 Updated on 8-31-2020

Antenna Mount Mapping Form (PATENT PENDING)

FCC # N/A

Tower Owner:	Unknown	**Mapping Date:**	12/7/2020
Site Name:	NE Thompson 2	**Tower Type:**	Monopole
Site Number or ID:	467898	**Tower Height (Ft.):**	140
Mapping Contractor:	TEP	**Mount Elevation (Ft.):**	137.5

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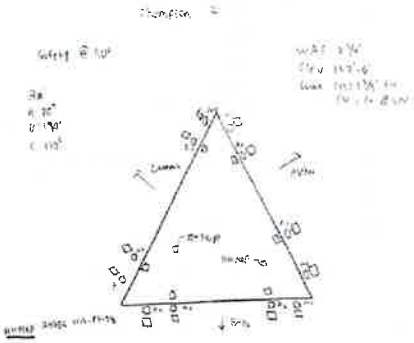


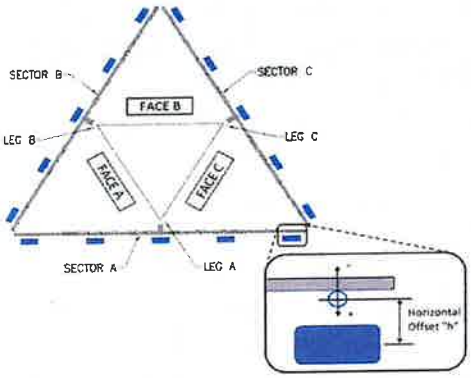
Mount Pipe Configuration and Geometries [Unit = Inches]

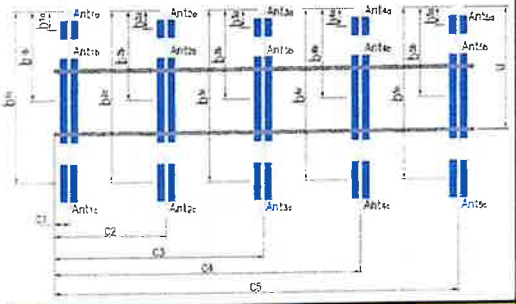
Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."	Sector / Position	Mount Pipe Size & Length	Vertical Offset Dimension "d"	Horizontal Offset "C1, C2, C3, etc."
A1	2.4"x0.154"x72"	47.00	16.00	C1	2.4"x0.154"x72"	47.00	16.00
A2	2.4"x0.154"x72"	47.00	40.00	C2	2.4"x0.154"x72"	47.00	40.00
A3	2.4"x0.154"x72"	47.00	138.00	C3	2.4"x0.154"x72"	47.00	138.00
A4	2.4"x0.154"x72"	47.00	162.00	C4	2.4"x0.154"x72"	47.00	162.00
A5				C5			
A6				C6			
B1	2.4"x0.154"x72"	47.00	16.00	D1			
B2	2.4"x0.154"x72"	47.00	40.00	D2			
B3	2.4"x0.154"x72"	47.00	138.00	D3			
B4	2.4"x0.154"x72"	47.00	162.00	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



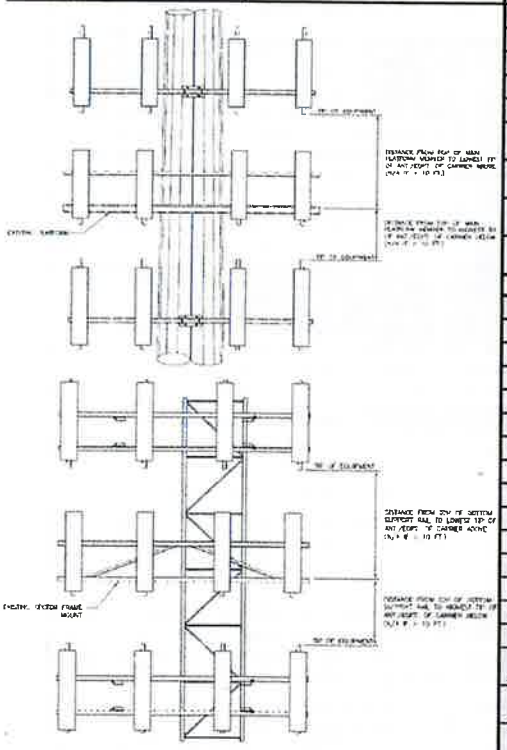


Antenna Layout (Looking Out From Tower)

Ants. Items	Enter antenna model. If not labeled, enter "Unknown". Antenna Models if Known	Width (in.)	Depth (in.)	Height (in.)	Coax Size and Qty	Antenna Center-line (Ft.)	Mounting Locations [Units are inches and degrees] Vertical Distances"b_{1a}, b_{2a}, b_{3a}, b_{1b}...." (Inches)	Horiz. Offset "h" (Use "-" if Ant. is behind)	Antenna Azimuth (Degrees)	Photos of antennas Photo Numbers
Sector A										
Ant_{1a}										
Ant_{1b}	LPA 80063/6CF E-DIN	14.96	13.07	70.87	) 1 5/8" F	139.25	26.00	12.00	70.00	138
Ant_{1c}										
Ant_{2a}										
Ant_{2b}	SBNHH-1D65B	11.85	7.09	72.87		139.083	28.00	9.00	70.00	149
Ant_{2c}	B66a RRH 4x45	11.80	7.20	25.80	) 1 5/8" F	139.75	20.00	-6.50		153
Ant_{3a}										
Ant_{3b}	SBNHH-1D65B	11.85	7.09	72.87		139.083	28.00	9.00	70.00	164
Ant_{3c}	B13 RRH4x30	11.40	6.90	20.70	) 1 5/8" F	139.417	24.00	-6.00		167
Ant_{4a}										
Ant_{4b}	LPA 80063/6CF E-DIN	14.96	13.07	70.87	) 1 5/8" F	139.25	26.00	12.00	70.00	178
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:	70.00	Deg	Leg A:		Deg
Sector B:	190.00	Deg	Leg B:		Deg
Sector C:	310.00	Deg	Leg C:		Deg
Sector D:		Deg	Leg D:		Deg

Climbing Facility Information			
Location:	110.00	Deg	Sector A
Climbing Facility	Corrosion Type:		Good condition.
	Access:		Climbing path was obstructed.
	Condition:		Good condition.



	Sector B										
Ant_{1a}											
Ant_{1b}	LPA 80063/6CF E-DIN	14.96	13.07	70.87	) 1 5/8" F	139.25	26.00	12.00	190.00	188
Ant_{1c}											
Ant_{2a}											
Ant_{2b}	SBNHH-1D65B	11.85	7.09	72.87		139.083	28.00	9.00	190.00	191
Ant_{2c}	B66a RRH 4x45	11.80	7.20	25.80	) 1 5/8" F	139.75	20.00	-6.50		194
Ant_{3a}											
Ant_{3b}	SBNHH-1D65B	11.85	7.09	72.87		139.083	28.00	9.00	190.00	202
Ant_{3c}	B13 RRH4x30	11.40	6.90	20.70	) 1 5/8" F	139.417	24.00	-6.00		205
Ant_{4a}											
Ant_{4b}	LPA 80063/6CF E-DIN	14.96	13.07	70.87	) 1 5/8" F	139.25	26.00	12.00	190.00	208
Ant_{4c}											
Ant_{5a}											
Ant_{5b}											
Ant_{5c}											
Ant on Standoff	RHSDC-3315-PF-48	15.73	10.30	28.83	) 1 1/4" SM		36.00			197
Ant on Standoff											
Ant on Tower											
Ant on Tower											

	Sector C										
Ant_{1a}											
Ant_{1b}	LPA 80063/6CF E-DIN	14.96	13.07	70.87	) 1 5/8" F	139.25	26.00	12.00	310.00	218
Ant_{1c}											
Ant_{2a}											
Ant_{2b}	SBNHH-1D65B	11.85	7.09	72.87		139.083	28.00	9.00	310.00	221
Ant_{2c}	B66a RRH 4x45	11.80	7.20	25.80	) 1 5/8" F	139.75	20.00	-6.50		224
Ant_{3a}											
Ant_{3b}	SBNHH-1D65B	11.85	7.09	72.87		139.083	28.00	9.00	310.00	230
Ant_{3c}	B13 RRH4x30	11.40	6.90	20.70	) 1 5/8" F	139.417	24.00	-6.00		233
Ant_{4a}											
Ant_{4b}	LPA 80063/6CF E-DIN	14.96	13.07	70.87	) 1 5/8" F	139.25	26.00	12.00	310.00	236
Ant_{4c}											
Ant_{5a}											
Ant_{5b}											
Ant_{5c}											
Ant on Standoff	RHSDC-3315-PF-48	15.73	10.30	28.83	) 1 1/4" SM		36.00			227
Ant on Standoff											
Ant on Tower											
Ant on Tower											

	Sector D										
Ant_{1a}											
Ant_{1b}											
Ant_{1c}											
Ant_{2a}											
Ant_{2b}											
Ant_{2c}											
Ant_{3a}											
Ant_{3b}											
Ant_{3c}											
Ant_{4a}											
Ant_{4b}											
Ant_{4c}											
Ant_{5a}											
Ant_{5b}											
Ant_{5c}											
Ant on Standoff											
Ant on Standoff											
Ant on Tower											
Ant on Tower											

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

1	The safety climb system is obstructed by the mount at 137'-6".	65
2	(3) Cut 1 5/8" FH coax are present on the mount.	
3		
4		
5		
6		
7		
8		

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

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

V3.0 Updated on 8-31-2020

MASER CONSULTING P.A.

Antenna Mount Mapping Form (PATENT PENDING)

FCC #: N/A

Tower Owner:	Unknown	Mapping Date:	12/7/2020
Site Name:	NE Thompson 2	Tower Type:	Monopole
Site Number or ID:	467898	Tower Height (Ft.):	140
Mapping Contractor:	TEP	Mount Elevation (Ft.):	137.5

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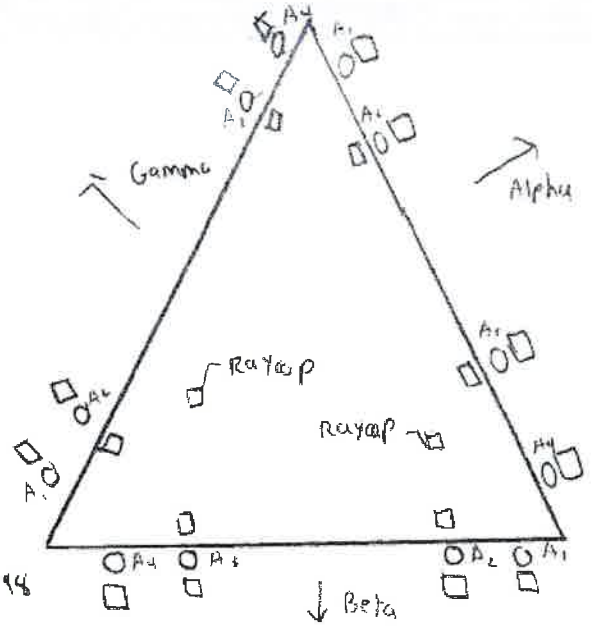
Please Insert Sketches of the Antenna Mount

Thompson 2

Safety @ 110°

WAF: 4 3/4"
Elev: 137'-6"
Coax: (15) 1 5/8" FH
(2) 1 1/4" Ø SM

Az:
A: 70°
B: 190°
C: 310°



Raycap: RHSDC-3315-PF-48

Sectors

	Pos	Model	U	C	B	H
A1	24"Ø x 6'-0"	LPA 80063/6CF E-DIN	47"	16"	26"	12"
A2		SBNHH 1D65B		40"	24"	9"
A3		SBNHH 1D65B		138"	28"	9"
A4		LPA 80063/6CF E-DIN		162"	26"	12"
E1	POS2	B66A RRH 4x45	—	—	20"	6½"
E2	POS3	B13 RRH 4x30	—	—	24"	6"

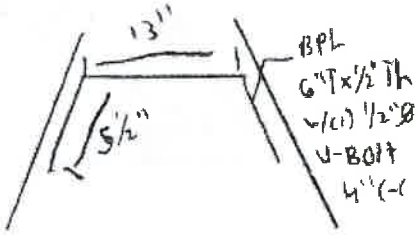
Please Insert Sketches of the Antenna Mount, cont'd

Back

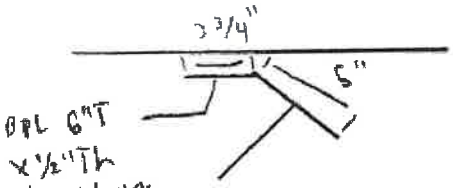
MP Connec

C: 2"D x 8 1/4" T x 6" W x 3/4" Th
w/(2) 1/2"Ø U-Bolt
MP: 6"C-C_V, 3"C-C_H
FP: 5"C-C_H, 4"C-C_V

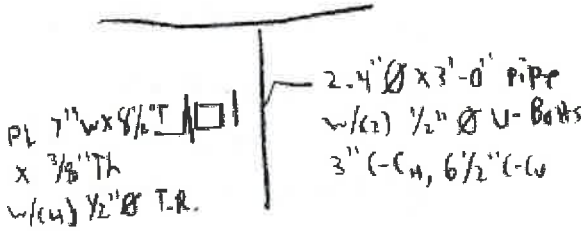
Corner Connec



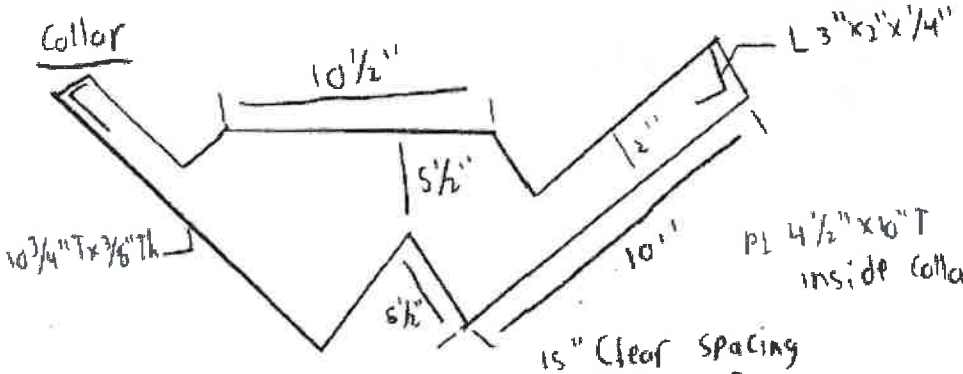
Angle - FP Connec



Raycap Connec



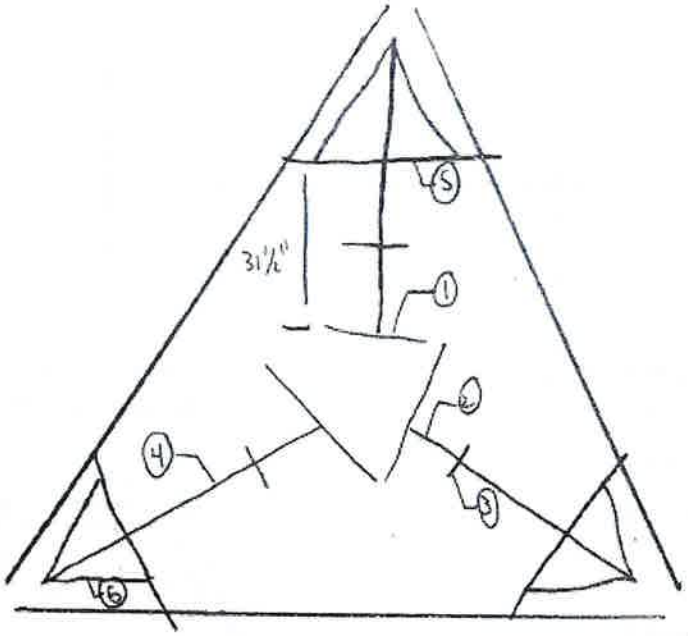
Collar



15" Clear Spacing
(2) 3/4"Ø T.R.
7"C-C

Please Insert Sketches of the Antenna Mount, cont'd

Steel plan



①: PL 10"x10" x½"
w/(4) 5/8" Ø Bolts 6½" C-C

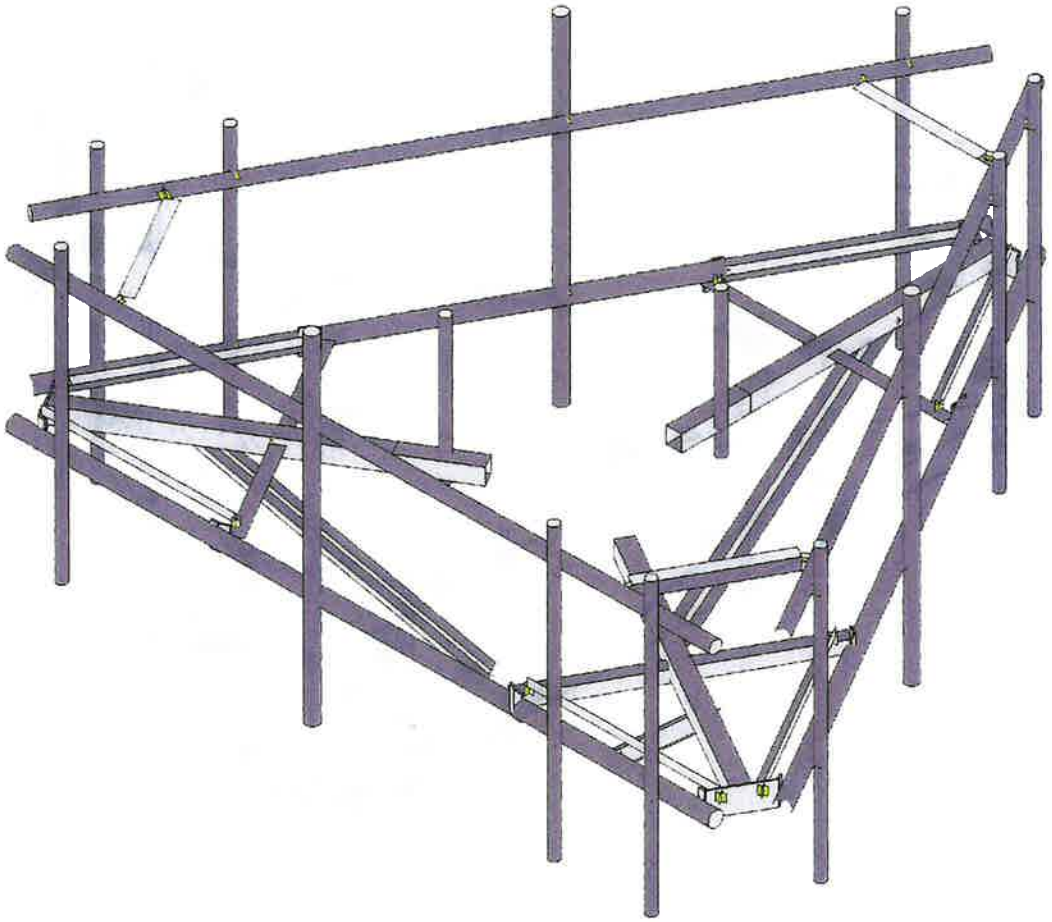
②: HSS 4"x4"x 15"L x ¼"

③: (2) PL 10" x 10" x ½"
w/(4) 5/8" Ø Bolts 6½" C-C

④: HSS 4"x4" x ¼" x 5'-0" L

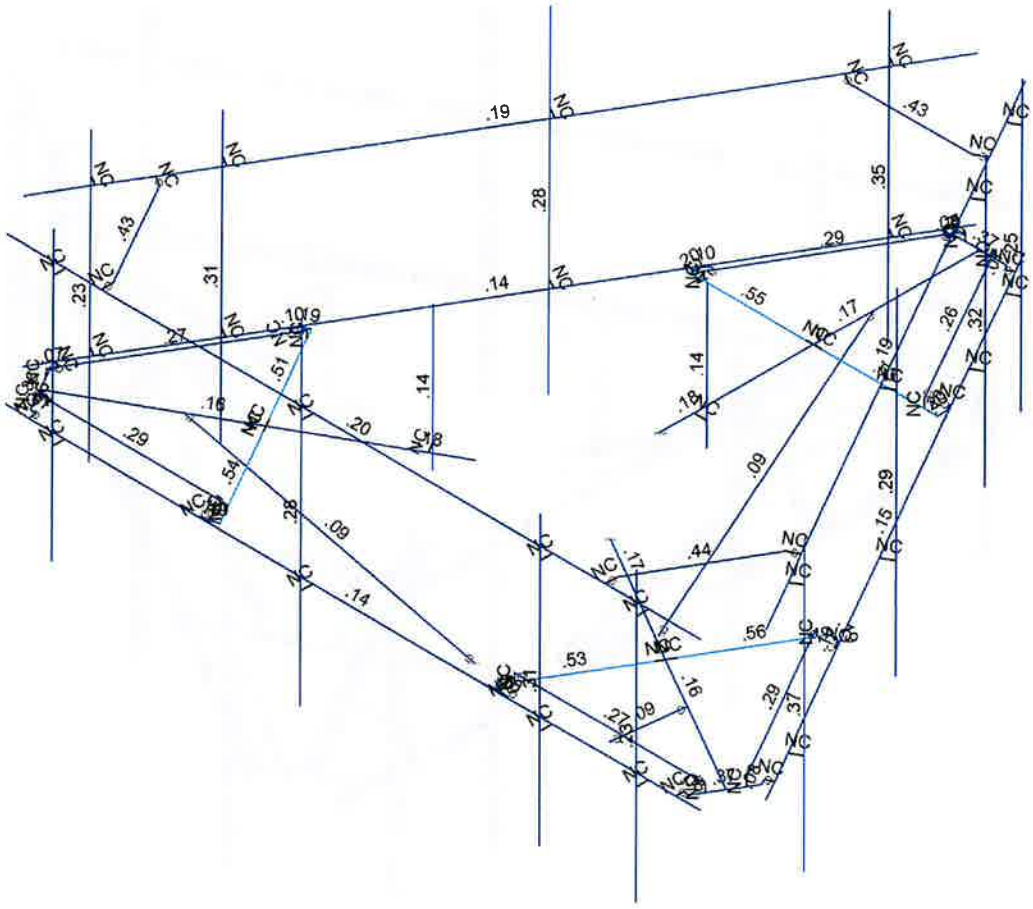
⑤: L 3" x3" x ¼"

⑥: L 2" x 2" x ¼"



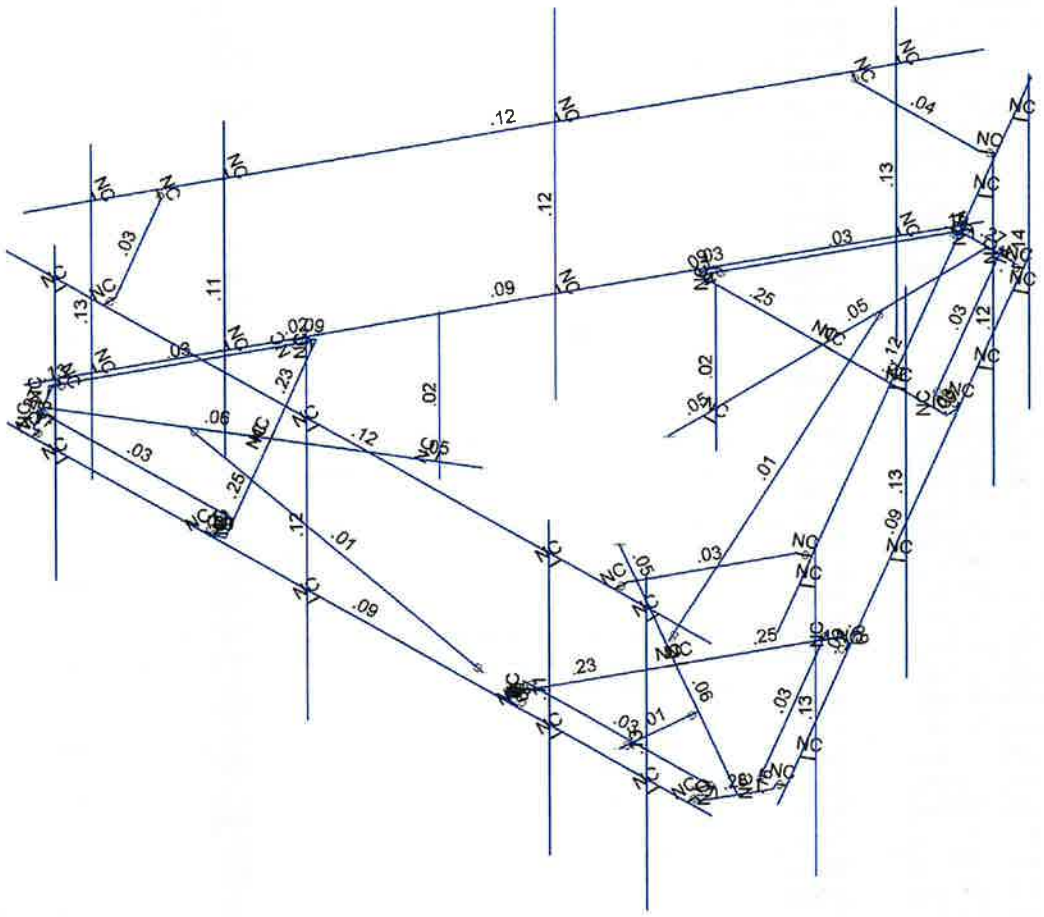
Envelope Only Solution

		SK - 1
		July 19, 2023 at 3:04 PM
		5000055445-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 2
		July 19, 2023 at 3:04 PM
		5000055445-VZW_MT_LO_H.r3d



Member Shear Checks Displayed (Enveloped)
Envelope Only Solution

		SK - 3
		July 19, 2023 at 3:04 PM
		5000055445-VZW_MT_LO_H.r3d

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
1	Antenna D	None					102			
2	Antenna Di	None					102			
3	Antenna Wo (0 Deg)	None					102			
4	Antenna Wo (30 Deg)	None					102			
5	Antenna Wo (60 Deg)	None					102			
6	Antenna Wo (90 Deg)	None					102			
7	Antenna Wo (120 Deg)	None					102			
8	Antenna Wo (150 Deg)	None					102			
9	Antenna Wo (180 Deg)	None					102			
10	Antenna Wo (210 Deg)	None					102			
11	Antenna Wo (240 Deg)	None					102			
12	Antenna Wo (270 Deg)	None					102			
13	Antenna Wo (300 Deg)	None					102			
14	Antenna Wo (330 Deg)	None					102			
15	Antenna Wi (0 Deg)	None					102			
16	Antenna Wi (30 Deg)	None					102			
17	Antenna Wi (60 Deg)	None					102			
18	Antenna Wi (90 Deg)	None					102			
19	Antenna Wi (120 Deg)	None					102			
20	Antenna Wi (150 Deg)	None					102			
21	Antenna Wi (180 Deg)	None					102			
22	Antenna Wi (210 Deg)	None					102			
23	Antenna Wi (240 Deg)	None					102			
24	Antenna Wi (270 Deg)	None					102			
25	Antenna Wi (300 Deg)	None					102			
26	Antenna Wi (330 Deg)	None					102			
27	Antenna Wm (0 Deg)	None					102			
28	Antenna Wm (30 Deg)	None					102			
29	Antenna Wm (60 Deg)	None					102			
30	Antenna Wm (90 Deg)	None					102			
31	Antenna Wm (120 Deg)	None					102			
32	Antenna Wm (150 Deg)	None					102			
33	Antenna Wm (180 Deg)	None					102			
34	Antenna Wm (210 Deg)	None					102			
35	Antenna Wm (240 Deg)	None					102			
36	Antenna Wm (270 Deg)	None					102			
37	Antenna Wm (300 Deg)	None					102			
38	Antenna Wm (330 Deg)	None					102			
39	Structure D	None		-1					3	
40	Structure Di	None						65	3	
41	Structure Wo (0 Deg)	None						130		
42	Structure Wo (30 Deg)	None						130		
43	Structure Wo (60 Deg)	None						130		
44	Structure Wo (90 Deg)	None						130		
45	Structure Wo (120 D...	None						130		
46	Structure Wo (150 D...	None						130		
47	Structure Wo (180 D...	None						130		
48	Structure Wo (210 D...	None						130		
49	Structure Wo (240 D...	None						130		
50	Structure Wo (270 D...	None						130		
51	Structure Wo (300 D...	None						130		
52	Structure Wo (330 D...	None						130		
53	Structure Wi (0 Deg)	None						130		

Basic Load Cases (Continued)

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed	Area(Me...	Surface(P...
54	Structure Wi (30 Deg)	None						130		
55	Structure Wi (60 Deg)	None						130		
56	Structure Wi (90 Deg)	None						130		
57	Structure Wi (120 De...	None						130		
58	Structure Wi (150 De...	None						130		
59	Structure Wi (180 De...	None						130		
60	Structure Wi (210 De...	None						130		
61	Structure Wi (240 De...	None						130		
62	Structure Wi (270 De...	None						130		
63	Structure Wi (300 De...	None						130		
64	Structure Wi (330 De...	None						130		
65	Structure Wm (0 Deg)	None						130		
66	Structure Wm (30 De...	None						130		
67	Structure Wm (60 De...	None						130		
68	Structure Wm (90 De...	None						130		
69	Structure Wm (120 D...	None						130		
70	Structure Wm (150 D...	None						130		
71	Structure Wm (180 D...	None						130		
72	Structure Wm (210 D...	None						130		
73	Structure Wm (240 D...	None						130		
74	Structure Wm (270 D...	None						130		
75	Structure Wm (300 D...	None						130		
76	Structure Wm (330 D...	None						130		
77	Lm1	None					1			
78	Lm2	None					1			
79	Lv1	None					1			
80	Lv2	None					1			
81	Antenna Ev	None					102			
82	Antenna Eh (0 Deg)	None					68			
83	Antenna Eh (90 Deg)	None					68			
84	Structure Ev	ELY							3	
85	Structure Eh (0 Deg)	ELZ			-.03				3	
86	Structure Eh (90 Deg)	ELX	.03						3	
87	BLC 39 Transient Are...	None						30		
88	BLC 40 Transient Are...	None						30		
89	BLC 84 Transient Are...	None								
90	BLC 85 Transient Are...	None						30		
91	BLC 86 Transient Are...	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	CP	0	0	0	0	
2	N36	-0.499173	0	-8.659772	0	
3	N53A	-7.749169	0	3.89759	0	
4	N49A	-7.249996	0	4.762182	0	
5	N50	7.249996	0	4.762182	0	
6	N51A	7.749169	0	3.89759	0	
7	N52A	0.499173	0	-8.659772	0	
8	N69	-5.999996	0	4.762182	0	
9	N70	-0.833329	0	4.762182	0	
10	N72	6.166671	0	4.762182	0	
11	N73	-5.999996	0	5.012182	0	
12	N74	-0.833329	0	5.012182	0	
13	N76	6.166671	0	5.012182	0	
14	N77	-5.999996	3.916667	5.012182	0	
15	N78	-0.833329	4.916667	5.012182	0	
16	N80	6.166671	3.916667	5.012182	0	
17	N81	-5.999996	-2.083333	5.012182	0	
18	N82	-0.833329	-2.083333	5.012182	0	
19	N84	6.166671	-2.083333	5.012182	0	
20	N112A	-1.407289	0	0.812499	0	
21	N113A	-4.170228	0	2.407682	0	
22	N114	-7.144782	0	4.125042	0	
23	N115	-2.883777	0	4.635887	0	
24	N116A	-5.319916	0.166667	0.416369	0	
25	N117	-3.020547	0.166667	4.398995	0	
26	N119	-5.319916	0	0.416369	0	
27	N120B	-3.020547	0	4.398995	0	
28	N121	-7.302605	0.166667	3.850493	0	
29	N122	-6.987303	0.166667	4.398992	0	
30	N123	-7.303293	0	3.850493	0	
31	N124A	-6.986617	0	4.398992	0	
32	N125	-5.456686	0	0.179477	0	
33	N126	-4.086898	0	2.55202	0	
34	N127	-4.253565	0	2.263344	0	
35	N128	-7.41822	0	3.651432	0	
36	N129	-6.871345	0	4.598648	0	
37	N130	-3.046157	0	4.729637	0	
38	N131	-5.619066	0	0.273227	0	
39	N132	-3.212823	0	4.729637	0	
40	N133	-3.212823	0	4.762182	0	
41	N134	-6.746345	0	4.598648	0	
42	N135	-6.746345	0	4.762182	0	
43	N136	-5.702399	0	0.417565	0	
44	N137	-5.730582	0	0.401294	0	
45	N138	-7.35572	0	3.543179	0	
46	N139	-7.497343	0	3.461414	0	
47	N84A	1.407289	0	0.812499	0	
48	N85A	4.170228	0	2.407682	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
49	N86A	7.144782	0	4.125042	0	
50	N87A	5.456684	0	0.17948	0	
51	N88A	3.020545	0.166667	4.398998	0	
52	N89A	5.319915	0.166667	0.416373	0	
53	N90A	3.020545	0	4.398998	0	
54	N91A	5.319915	0	0.416373	0	
55	N92A	6.985928	0.166667	4.398995	0	
56	N93	7.30329	0.166667	3.851686	0	
57	N94	6.986271	0	4.39959	0	
58	N95A	7.302947	0	3.851092	0	
59	N96A	2.883775	0	4.63589	0	
60	N97A	4.253563	0	2.263348	0	
61	N98A	4.086896	0	2.552023	0	
62	N99	6.871344	0	4.598651	0	
63	N100	7.418219	0	3.651436	0	
64	N101	5.619064	0	0.27323	0	
65	N102	3.046155	0	4.72964	0	
66	N103	5.702397	0	0.417568	0	
67	N104	5.730583	0	0.401295	0	
68	N105	7.355719	0	3.543183	0	
69	N106	7.497344	0	3.461415	0	
70	N107	3.212821	0	4.72964	0	
71	N108	3.212821	0	4.762182	0	
72	N109	6.746344	0	4.598651	0	
73	N110	6.746344	0	4.762182	0	
74	N112	-0.	0	-1.624997	0	
75	N113	-0.	0	-4.815367	0	
76	N114A	-0.	0	-8.250084	0	
77	N115A	-2.572908	0	-4.815367	0	
78	N116	2.299372	0.166667	-4.815367	0	
79	N117A	-2.299368	0.166667	-4.815367	0	
80	N118	2.299372	0	-4.815367	0	
81	N119A	-2.299368	0	-4.815367	0	
82	N120	0.316678	0.166667	-8.249488	0	
83	N121A	-0.315987	0.166667	-8.250678	0	
84	N122A	0.317021	0	-8.250084	0	
85	N123A	-0.31633	0	-8.250084	0	
86	N124	2.572911	0	-4.815367	0	
87	N125A	-0.166665	0	-4.815367	0	
88	N126A	0.166669	0	-4.815367	0	
89	N127A	0.546877	0	-8.250084	0	
90	N128A	-0.546873	0	-8.250084	0	
91	N129A	-2.572908	0	-5.002867	0	
92	N130A	2.572911	0	-5.002867	0	
93	N131A	-2.489574	0	-5.147205	0	
94	N132A	-2.517759	0	-5.163478	0	
95	N133A	-0.609373	0	-8.14183	0	
96	N134A	-0.750998	0	-8.223598	0	
97	N135A	2.489578	0	-5.147205	0	
98	N136A	2.51776	0	-5.163476	0	
99	N137A	0.609377	0	-8.14183	0	
100	N138A	0.750999	0	-8.223596	0	
101	N101A	4.166671	0	4.762182	0	
102	N102A	4.166671	0	5.012182	0	
103	N103A	4.166671	3.916667	5.012182	0	
104	N104A	4.166671	-2.083333	5.012182	0	
105	N106A	7.124169	0	2.815058	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
106	N108A	1.040836	0	-7.721585	0	
107	N109A	7.340675	0	2.690058	0	
108	N111	1.257342	0	-7.846585	0	
109	N112B	7.340675	3.916667	2.690058	0	
110	N114B	1.257342	3.916667	-7.846585	0	
111	N115B	7.340675	-2.083333	2.690058	0	
112	N117B	1.257342	-2.083333	-7.846585	0	
113	N118A	2.040836	0	-5.989534	0	
114	N119B	2.257342	0	-6.114534	0	
115	N120A	2.257342	3.916667	-6.114534	0	
116	N121B	2.257342	-2.083333	-6.114534	0	
117	N123B	-1.124173	0	-7.57724	0	
118	N125B	-7.207506	0	2.959402	0	
119	N126B	-1.340679	0	-7.70224	0	
120	N128B	-7.424013	0	2.834402	0	
121	N129B	-1.340679	3.916667	-7.70224	0	
122	N131B	-7.424013	3.916667	2.834402	0	
123	N132B	-1.340679	-2.083333	-7.70224	0	
124	N134B	-7.424013	-2.083333	2.834402	0	
125	N135B	-6.207506	0	1.227351	0	
126	N136B	-6.424013	0	1.102351	0	
127	N137B	-6.424013	3.916667	1.102351	0	
128	N138B	-6.424013	-2.083333	1.102351	0	
129	N137C	-0.	0	-3.041664	0	
130	N139A	-2.634158	0	1.520832	0	
131	N141	2.634158	0	1.520832	0	
132	N140	-0.	0	-2.333331	0	
133	N141A	0.266667	0	-2.333331	0	
134	N142	0.266667	-.5	-2.333331	0	
135	N143	0.266667	2.5	-2.333331	0	
136	N145	-2.020724	0	1.166665	0	
137	N146	-2.154057	0	0.935725	0	
138	N147	-2.154057	-.5	0.935725	0	
139	N148	-2.154057	2.5	0.935725	0	
140	N148A	-7.249996	3.083333	4.762182	0	
141	N149	7.249996	3.083333	4.762182	0	
142	N150	-5.999996	3.083333	4.762182	0	
143	N151	-0.833329	3.083333	4.762182	0	
144	N152	6.166671	3.083333	4.762182	0	
145	N153	-5.999996	3.083333	5.012182	0	
146	N154	-0.833329	3.083333	5.012182	0	
147	N155	6.166671	3.083333	5.012182	0	
148	N156	4.166671	3.083333	4.762182	0	
149	N157	4.166671	3.083333	5.012182	0	
150	N158	-5.249996	3.083333	4.762182	0	
151	N159	-5.249996	3.083333	4.512182	0	
152	N160	5.249996	3.083333	4.762182	0	
153	N161	5.249996	3.083333	4.512182	0	
154	N162	7.749169	3.083333	3.89759	0	
155	N163	0.499173	3.083333	-8.659772	0	
156	N164	7.124169	3.083333	2.815058	0	
157	N166	1.040836	3.083333	-7.721585	0	
158	N167	7.340675	3.083333	2.690058	0	
159	N169	1.257342	3.083333	-7.846585	0	
160	N170	2.040836	3.083333	-5.989534	0	
161	N171	2.257342	3.083333	-6.114534	0	
162	N172	6.749169	3.083333	2.165539	0	

Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
163	N173	6.532663	3.083333	2.290539	0	
164	N174	1.499173	3.083333	-6.927721	0	
165	N175	1.282667	3.083333	-6.802721	0	
166	N176	-0.499173	3.083333	-8.659772	0	
167	N177	-7.749169	3.083333	3.89759	0	
168	N178	-1.124173	3.083333	-7.57724	0	
169	N180	-7.207506	3.083333	2.959402	0	
170	N181	-1.340679	3.083333	-7.70224	0	
171	N183	-7.424013	3.083333	2.834402	0	
172	N184	-6.207506	3.083333	1.227351	0	
173	N185	-6.424013	3.083333	1.102351	0	
174	N186	-1.499173	3.083333	-6.927721	0	
175	N187	-1.282667	3.083333	-6.802721	0	
176	N188	-6.749169	3.083333	2.165539	0	
177	N189	-6.532663	3.083333	2.290539	0	
178	N190	-0.	-3.666667	-1.624997	0	
179	N191	-0.	0	-6.065367	0	
180	N192	-1.407289	-3.666667	0.812499	0	
181	N194	1.407289	-3.666667	0.812499	0	
182	N196	-5.252762	0	3.032684	0	
183	N197	5.252762	0	3.032684	0	
184	N184A	4.540836	0	-1.659407	0	
185	N185A	4.757342	0	-1.784407	0	
186	N186A	4.757342	4.916667	-1.784407	0	
187	N187A	4.757342	-2.083333	-1.784407	0	
188	N188A	4.540836	3.083333	-1.659407	0	
189	N189A	4.757342	3.083333	-1.784407	0	
190	N190A	-3.707506	0	-3.102776	0	
191	N191A	-3.924013	0	-3.227776	0	
192	N192A	-3.924013	4.916667	-3.227776	0	
193	N193	-3.924013	-2.083333	-3.227776	0	
194	N194A	-3.707506	3.083333	-3.102776	0	
195	N195	-3.924013	3.083333	-3.227776	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	Standoff Horizontal	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
3	Extension HSS	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	Platform Crossmember	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
6	Grating Support	L2x2x4	Beam	Single Angle	A36 Gr.36	Typical	.944	.346	.346	.021
7	Mount Pipe	PIPE_2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
8	Cross Arm Plate	PL1/2x6	Column	RECT	A36 Gr.36	Typical	3	.063	9	.237
9	Support Rail	PIPE_2.5	Beam	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
10	Support Rail Corner	L3X3X4	Beam	Single Angle	A36 Gr.36	Typical	1.44	1.23	1.23	.031
11	Kicker	LL3x3x3x3	Column	Double Angle (3/...	A36 Gr.36	Typical	2.18	4.09	1.9	.027
12	Replacement Pipe	PIPE_2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89

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

Hot Rolled Steel Properties (Continued)

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
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	M20	N53A	N36			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
2	M32	N50	N49A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
3	M33A	N52A	N51A			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
4	M42	N69	N73			RIGID	None	None	RIGID	Typical
5	M43A	N70	N74			RIGID	None	None	RIGID	Typical
6	M45	N72	N76			RIGID	None	None	RIGID	Typical
7	MP1A	N80	N84			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
8	MP3A	N78	N82			Replacement ...	Column	Pipe	A53 Gr.B	Typical
9	MP4A	N77	N81			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
10	M72A	N139A	N114			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
11	M73	N125	N127		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
12	M74	N126	N115		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
13	M75	N129	N128			Corner Plate	Beam	BAR	A36 Gr.36	Typical
14	M76	N117	N120B			RIGID	None	None	RIGID	Typical
15	M77	N116A	N119			RIGID	None	None	RIGID	Typical
16	M78	N121	N116A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
17	M79	N117	N122			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
18	M80	N122	N124A			RIGID	None	None	RIGID	Typical
19	M81	N121	N123			RIGID	None	None	RIGID	Typical
20	M82	N126	N113A			RIGID	None	None	RIGID	Typical
21	M83	N113A	N127			RIGID	None	None	RIGID	Typical
22	M84	N115	N130			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
23	M85	N130	N132			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
24	M86A	N132	N133			RIGID	None	None	RIGID	Typical
25	M87A	N129	N134			Corner Plate	Beam	BAR	A36 Gr.36	Typical
26	M88	N134	N135			RIGID	None	None	RIGID	Typical
27	M89A	N125	N131			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
28	M90A	N131	N136			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
29	M91	N136	N137			RIGID	None	None	RIGID	Typical
30	M92	N128	N138			Corner Plate	Beam	BAR	A36 Gr.36	Typical
31	M93A	N138	N139			RIGID	None	None	RIGID	Typical
32	M50A	N141	N86A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
33	M51A	N96A	N98A		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
34	M52	N97A	N87A		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
35	M53A	N100	N99			Corner Plate	Beam	BAR	A36 Gr.36	Typical
36	M54	N89A	N91A			RIGID	None	None	RIGID	Typical
37	M55	N88A	N90A			RIGID	None	None	RIGID	Typical
38	M56	N92A	N88A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
39	M57	N89A	N93			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
40	M58	N93	N95A			RIGID	None	None	RIGID	Typical
41	M59	N92A	N94			RIGID	None	None	RIGID	Typical
42	M60	N97A	N85A			RIGID	None	None	RIGID	Typical
43	M61	N85A	N98A			RIGID	None	None	RIGID	Typical
44	M62	N87A	N101			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
45	M63	N101	N103			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
46	M64	N103	N104			RIGID	None	None	RIGID	Typical
47	M65	N100	N105			Corner Plate	Beam	BAR	A36 Gr.36	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
48	M66	N105	N106			RIGID	None	None	RIGID	Typical
49	M67	N96A	N102			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
50	M68	N102	N107			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
51	M69	N107	N108			RIGID	None	None	RIGID	Typical
52	M70	N99	N109			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M71	N109	N110			RIGID	None	None	RIGID	Typical
54	M72	N137C	N114A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B...	Typical
55	M73A	N124	N126A		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
56	M74A	N125A	N115A		180	Platform Cross...	Beam	Single Angle	A36 Gr.36	Typical
57	M75A	N128A	N127A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
58	M76A	N117A	N119A			RIGID	None	None	RIGID	Typical
59	M77A	N116	N118			RIGID	None	None	RIGID	Typical
60	M78A	N120	N116			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
61	M79A	N117A	N121A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
62	M80A	N121A	N123A			RIGID	None	None	RIGID	Typical
63	M81A	N120	N122A			RIGID	None	None	RIGID	Typical
64	M82A	N125A	N113			RIGID	None	None	RIGID	Typical
65	M83A	N113	N126A			RIGID	None	None	RIGID	Typical
66	M84A	N115A	N129A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
67	M85A	N129A	N131A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
68	M86	N131A	N132A			RIGID	None	None	RIGID	Typical
69	M87	N128A	N133A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
70	M88A	N133A	N134A			RIGID	None	None	RIGID	Typical
71	M89	N124	N130A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
72	M90	N130A	N135A			Cross Arm Plate	Column	RECT	A36 Gr.36	Typical
73	M91A	N135A	N136A			RIGID	None	None	RIGID	Typical
74	M92A	N127A	N137A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
75	M93	N137A	N138A			RIGID	None	None	RIGID	Typical
76	M76B	N101A	N102A			RIGID	None	None	RIGID	Typical
77	MP2A	N103A	N104A			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
78	M78B	N106A	N109A			RIGID	None	None	RIGID	Typical
79	M80B	N108A	N111			RIGID	None	None	RIGID	Typical
80	MP1C	N114B	N117B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
81	MP4C	N112B	N115B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
82	M84B	N118A	N119B			RIGID	None	None	RIGID	Typical
83	MP2C	N120A	N121B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
84	M86B	N123B	N126B			RIGID	None	None	RIGID	Typical
85	M88B	N125B	N128B			RIGID	None	None	RIGID	Typical
86	MP1B	N131B	N134B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
87	MP4B	N129B	N132B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
88	M92B	N135B	N136B			RIGID	None	None	RIGID	Typical
89	MP2B	N137B	N138B			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
90	M94	N139A	N112A			Extension HSS	Beam	SquareTube	A500 Gr.B...	Typical
91	M95	N137C	N112			Extension HSS	Beam	SquareTube	A500 Gr.B...	Typical
92	M96	N141	N84A			Extension HSS	Beam	SquareTube	A500 Gr.B...	Typical
93	M97	N141A	N140			RIGID	None	None	RIGID	Typical
94	M98	N143	N142			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
95	M99	N146	N145			RIGID	None	None	RIGID	Typical
96	M100	N148	N147			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	M101	N149	N148A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
98	M102	N150	N153			RIGID	None	None	RIGID	Typical
99	M103	N151	N154			RIGID	None	None	RIGID	Typical
100	M104	N152	N155			RIGID	None	None	RIGID	Typical
101	M105	N156	N157			RIGID	None	None	RIGID	Typical
102	M106	N158	N159			RIGID	None	None	RIGID	Typical
103	M107	N160	N161			RIGID	None	None	RIGID	Typical
104	M108	N163	N162			Support Rail	Beam	Pipe	A53 Gr.B	Typical

Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
105	M109	N164	N167			RIGID	None	None	RIGID	Typical
106	M111	N166	N169			RIGID	None	None	RIGID	Typical
107	M112	N170	N171			RIGID	None	None	RIGID	Typical
108	M113	N172	N173			RIGID	None	None	RIGID	Typical
109	M114	N174	N175			RIGID	None	None	RIGID	Typical
110	M115	N177	N176			Support Rail	Beam	Pipe	A53 Gr.B	Typical
111	M116	N178	N181			RIGID	None	None	RIGID	Typical
112	M118	N180	N183			RIGID	None	None	RIGID	Typical
113	M119	N184	N185			RIGID	None	None	RIGID	Typical
114	M120	N186	N187			RIGID	None	None	RIGID	Typical
115	M121	N188	N189			RIGID	None	None	RIGID	Typical
116	M122	N159	N189		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
117	M123	N187	N175		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
118	M124	N173	N161		90	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
119	M125	N191	N190			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
120	M126	N196	N192			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
121	M127	N197	N194			Kicker	Column	Double Angle (...	A36 Gr.36	Typical
122	M122A	N184A	N185A			RIGID	None	None	RIGID	Typical
123	MP3C	N186A	N187A			Replacement ...	Column	Pipe	A53 Gr.B	Typical
124	M124A	N188A	N189A			RIGID	None	None	RIGID	Typical
125	M125A	N190A	N191A			RIGID	None	None	RIGID	Typical
126	MP3B	N192A	N193			Replacement ...	Column	Pipe	A53 Gr.B	Typical
127	M127A	N194A	N195			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	M20						Yes				None
2	M32						Yes				None
3	M33A						Yes				None
4	M42						Yes	** NA **			None
5	M43A						Yes	** NA **			None
6	M45						Yes	** NA **			None
7	MP1A						Yes	** NA **			None
8	MP3A						Yes	** NA **			None
9	MP4A						Yes	** NA **			None
10	M72A						Yes	Default			None
11	M73						Yes				None
12	M74						Yes				None
13	M75						Yes				None
14	M76						Yes	** NA **			None
15	M77						Yes	** NA **			None
16	M78	OOOOOX	OOOOOX				Yes				None
17	M79	OOOOOX	OOOOOX				Yes				None
18	M80						Yes	** NA **			None
19	M81						Yes	** NA **			None
20	M82						Yes	** NA **			None
21	M83						Yes	** NA **			None
22	M84						Yes	** NA **			None
23	M85						Yes	** NA **			None
24	M86A		BenPIN				Yes	** NA **			None
25	M87A						Yes				None
26	M88		BenPIN				Yes	** NA **			None
27	M89A						Yes	** NA **			None
28	M90A						Yes	** NA **			None
29	M91		BenPIN				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...
30	M92						Yes				None
31	M93A		BenPIN				Yes	** NA **			None
32	M50A						Yes	Default			None
33	M51A						Yes				None
34	M52						Yes				None
35	M53A						Yes				None
36	M54						Yes	** NA **			None
37	M55						Yes	** NA **			None
38	M56	OOOOOX	OOOOOX				Yes				None
39	M57	OOOOOX	OOOOOX				Yes				None
40	M58						Yes	** NA **			None
41	M59						Yes	** NA **			None
42	M60						Yes	** NA **			None
43	M61						Yes	** NA **			None
44	M62						Yes	** NA **			None
45	M63						Yes	** NA **			None
46	M64		BenPIN				Yes	** NA **			None
47	M65						Yes				None
48	M66		BenPIN				Yes	** NA **			None
49	M67						Yes	** NA **			None
50	M68						Yes	** NA **			None
51	M69		BenPIN				Yes	** NA **			None
52	M70						Yes				None
53	M71		BenPIN				Yes	** NA **			None
54	M72						Yes	Default			None
55	M73A						Yes				None
56	M74A						Yes				None
57	M75A						Yes				None
58	M76A						Yes	** NA **			None
59	M77A						Yes	** NA **			None
60	M78A	OOOOOX	OOOOOX				Yes				None
61	M79A	OOOOOX	OOOOOX				Yes				None
62	M80A						Yes	** NA **			None
63	M81A						Yes	** NA **			None
64	M82A						Yes	** NA **			None
65	M83A						Yes	** NA **			None
66	M84A						Yes	** NA **			None
67	M85A						Yes	** NA **			None
68	M86		BenPIN				Yes	** NA **			None
69	M87						Yes				None
70	M88A		BenPIN				Yes	** NA **			None
71	M89						Yes	** NA **			None
72	M90						Yes	** NA **			None
73	M91A		BenPIN				Yes	** NA **			None
74	M92A						Yes				None
75	M93		BenPIN				Yes	** NA **			None
76	M76B						Yes	** NA **			None
77	MP2A						Yes	** NA **			None
78	M78B						Yes	** NA **			None
79	M80B						Yes	** NA **			None
80	MP1C						Yes	** NA **			None
81	MP4C						Yes	** NA **			None
82	M84B						Yes	** NA **			None
83	MP2C						Yes	** NA **			None
84	M86B						Yes	** NA **			None
85	M88B						Yes	** NA **			None
86	MP1B						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...
87	MP4B						Yes	** NA **			None
88	M92B						Yes	** NA **			None
89	MP2B						Yes	** NA **			None
90	M94						Yes				None
91	M95						Yes				None
92	M96						Yes				None
93	M97						Yes	** NA **			None
94	M98						Yes	** NA **			None
95	M99						Yes	** NA **			None
96	M100						Yes	** NA **			None
97	M101						Yes				None
98	M102						Yes	** NA **			None
99	M103						Yes	** NA **			None
100	M104						Yes	** NA **			None
101	M105						Yes	** NA **			None
102	M106	OOOOOX					Yes	** NA **			None
103	M107	OOOOOX					Yes	** NA **			None
104	M108						Yes				None
105	M109						Yes	** NA **			None
106	M111						Yes	** NA **			None
107	M112						Yes	** NA **			None
108	M113	OOOOOX					Yes	** NA **			None
109	M114	OOOOOX					Yes	** NA **			None
110	M115						Yes				None
111	M116						Yes	** NA **			None
112	M118						Yes	** NA **			None
113	M119						Yes	** NA **			None
114	M120	OOOOOX					Yes	** NA **			None
115	M121	OOOOOX					Yes	** NA **			None
116	M122						Yes				None
117	M123						Yes				None
118	M124						Yes				None
119	M125	BenPIN	BenPIN				Yes	** NA **			None
120	M126	BenPIN	BenPIN				Yes	** NA **			None
121	M127	BenPIN	BenPIN				Yes	** NA **			None
122	M122A						Yes	** NA **			None
123	MP3C						Yes	** NA **			None
124	M124A						Yes	** NA **			None
125	M125A						Yes	** NA **			None
126	MP3B						Yes	** NA **			None
127	M127A						Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-20	.33
2	MP3A	My	-.015	.33
3	MP3A	Mz	.01	.33
4	MP3A	Y	-20	4.67
5	MP3A	My	-.015	4.67
6	MP3A	Mz	.01	4.67
7	MP3B	Y	-20	.33
8	MP3B	My	-.001	.33
9	MP3B	Mz	-.018	.33
10	MP3B	Y	-20	4.67
11	MP3B	My	-.001	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
12	MP3B	Mz	-.018	4.67
13	MP3C	Y	-20	.33
14	MP3C	My	.015	.33
15	MP3C	Mz	.011	.33
16	MP3C	Y	-20	4.67
17	MP3C	My	.015	4.67
18	MP3C	Mz	.011	4.67
19	MP3A	Y	-20	.33
20	MP3A	My	-.015	.33
21	MP3A	Mz	-.01	.33
22	MP3A	Y	-20	4.67
23	MP3A	My	-.015	4.67
24	MP3A	Mz	-.01	4.67
25	MP3B	Y	-20	.33
26	MP3B	My	.016	.33
27	MP3B	Mz	-.008	.33
28	MP3B	Y	-20	4.67
29	MP3B	My	.016	4.67
30	MP3B	Mz	-.008	4.67
31	MP3C	Y	-20	.33
32	MP3C	My	-.004	.33
33	MP3C	Mz	.018	.33
34	MP3C	Y	-20	4.67
35	MP3C	My	-.004	4.67
36	MP3C	Mz	.018	4.67
37	MP4A	Y	-22.95	.33
38	MP4A	My	-.023	.33
39	MP4A	Mz	0	.33
40	MP4A	Y	-22.95	4.67
41	MP4A	My	-.023	4.67
42	MP4A	Mz	0	4.67
43	MP4B	Y	-22.95	.33
44	MP4B	My	.011	.33
45	MP4B	Mz	-.02	.33
46	MP4B	Y	-22.95	4.67
47	MP4B	My	.011	4.67
48	MP4B	Mz	-.02	4.67
49	MP4C	Y	-22.95	.33
50	MP4C	My	.008	.33
51	MP4C	Mz	.022	.33
52	MP4C	Y	-22.95	4.67
53	MP4C	My	.008	4.67
54	MP4C	Mz	.022	4.67
55	MP1A	Y	-43.55	1.33
56	MP1A	My	-.022	1.33
57	MP1A	Mz	0	1.33
58	MP1A	Y	-43.55	3.33
59	MP1A	My	-.022	3.33
60	MP1A	Mz	0	3.33
61	MP1B	Y	-43.55	1.33
62	MP1B	My	.011	1.33
63	MP1B	Mz	-.019	1.33
64	MP1B	Y	-43.55	3.33
65	MP1B	My	.011	3.33
66	MP1B	Mz	-.019	3.33
67	MP1C	Y	-43.55	1.33
68	MP1C	My	.007	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
69	MP1C	Mz	.02	1.33
70	MP1C	Y	-43.55	3.33
71	MP1C	My	.007	3.33
72	MP1C	Mz	.02	3.33
73	MP4A	Y	-84.4	2.5
74	MP4A	My	.028	2.5
75	MP4A	Mz	0	2.5
76	MP4B	Y	-84.4	2.5
77	MP4B	My	-.014	2.5
78	MP4B	Mz	.024	2.5
79	MP4C	Y	-84.4	2.5
80	MP4C	My	-.01	2.5
81	MP4C	Mz	-.026	2.5
82	MP3A	Y	-70.3	2.5
83	MP3A	My	.023	2.5
84	MP3A	Mz	0	2.5
85	MP3B	Y	-70.3	2.5
86	MP3B	My	-.012	2.5
87	MP3B	Mz	.02	2.5
88	MP3C	Y	-70.3	2.5
89	MP3C	My	-.008	2.5
90	MP3C	Mz	-.022	2.5
91	M100	Y	-44	1
92	M100	My	0	1
93	M100	Mz	0	1
94	M98	Y	-44	1
95	M98	My	0	1
96	M98	Mz	0	1
97	M108	Y	-17.6	6
98	M108	My	-.003	6
99	M108	Mz	0	6
100	M108	Y	-17.6	6
101	M108	My	.003	6
102	M108	Mz	0	6

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	-61.001	.33
2	MP3A	My	-.046	.33
3	MP3A	Mz	.03	.33
4	MP3A	Y	-61.001	4.67
5	MP3A	My	-.046	4.67
6	MP3A	Mz	.03	4.67
7	MP3B	Y	-61.001	.33
8	MP3B	My	-.004	.33
9	MP3B	Mz	-.055	.33
10	MP3B	Y	-61.001	4.67
11	MP3B	My	-.004	4.67
12	MP3B	Mz	-.055	4.67
13	MP3C	Y	-61.001	.33
14	MP3C	My	.044	.33
15	MP3C	Mz	.033	.33
16	MP3C	Y	-61.001	4.67
17	MP3C	My	.044	4.67
18	MP3C	Mz	.033	4.67
19	MP3A	Y	-61.001	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
20	MP3A	My	-.046	.33
21	MP3A	Mz	-.03	.33
22	MP3A	Y	-61.001	4.67
23	MP3A	My	-.046	4.67
24	MP3A	Mz	-.03	4.67
25	MP3B	Y	-61.001	.33
26	MP3B	My	.049	.33
27	MP3B	Mz	-.024	.33
28	MP3B	Y	-61.001	4.67
29	MP3B	My	.049	4.67
30	MP3B	Mz	-.024	4.67
31	MP3C	Y	-61.001	.33
32	MP3C	My	-.013	.33
33	MP3C	Mz	.053	.33
34	MP3C	Y	-61.001	4.67
35	MP3C	My	-.013	4.67
36	MP3C	Mz	.053	4.67
37	MP4A	Y	-67.222	.33
38	MP4A	My	-.067	.33
39	MP4A	Mz	0	.33
40	MP4A	Y	-67.222	4.67
41	MP4A	My	-.067	4.67
42	MP4A	Mz	0	4.67
43	MP4B	Y	-67.222	.33
44	MP4B	My	.034	.33
45	MP4B	Mz	-.058	.33
46	MP4B	Y	-67.222	4.67
47	MP4B	My	.034	4.67
48	MP4B	Mz	-.058	4.67
49	MP4C	Y	-67.222	.33
50	MP4C	My	.023	.33
51	MP4C	Mz	.063	.33
52	MP4C	Y	-67.222	4.67
53	MP4C	My	.023	4.67
54	MP4C	Mz	.063	4.67
55	MP1A	Y	-35.578	1.33
56	MP1A	My	-.018	1.33
57	MP1A	Mz	0	1.33
58	MP1A	Y	-35.578	3.33
59	MP1A	My	-.018	3.33
60	MP1A	Mz	0	3.33
61	MP1B	Y	-35.578	1.33
62	MP1B	My	.009	1.33
63	MP1B	Mz	-.015	1.33
64	MP1B	Y	-35.578	3.33
65	MP1B	My	.009	3.33
66	MP1B	Mz	-.015	3.33
67	MP1C	Y	-35.578	1.33
68	MP1C	My	.006	1.33
69	MP1C	Mz	.017	1.33
70	MP1C	Y	-35.578	3.33
71	MP1C	My	.006	3.33
72	MP1C	Mz	.017	3.33
73	MP4A	Y	-44.855	2.5
74	MP4A	My	.015	2.5
75	MP4A	Mz	0	2.5
76	MP4B	Y	-44.855	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
77	MP4B	My	-.007	2.5
78	MP4B	Mz	.013	2.5
79	MP4C	Y	-44.855	2.5
80	MP4C	My	-.005	2.5
81	MP4C	Mz	-.014	2.5
82	MP3A	Y	-40.338	2.5
83	MP3A	My	.013	2.5
84	MP3A	Mz	0	2.5
85	MP3B	Y	-40.338	2.5
86	MP3B	My	-.007	2.5
87	MP3B	Mz	.012	2.5
88	MP3C	Y	-40.338	2.5
89	MP3C	My	-.005	2.5
90	MP3C	Mz	-.013	2.5
91	M100	Y	-73.745	1
92	M100	My	0	1
93	M100	Mz	0	1
94	M98	Y	-73.745	1
95	M98	My	0	1
96	M98	Mz	0	1
97	M108	Y	-17.311	6
98	M108	My	-.003	6
99	M108	Mz	0	6
100	M108	Y	-17.311	6
101	M108	My	.003	6
102	M108	Mz	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	-115.826	.33
3	MP3A	Mx	-.058	.33
4	MP3A	X	0	4.67
5	MP3A	Z	-115.826	4.67
6	MP3A	Mx	-.058	4.67
7	MP3B	X	0	.33
8	MP3B	Z	-66.321	.33
9	MP3B	Mx	.06	.33
10	MP3B	X	0	4.67
11	MP3B	Z	-66.321	4.67
12	MP3B	Mx	.06	4.67
13	MP3C	X	0	.33
14	MP3C	Z	-57.541	.33
15	MP3C	Mx	-.031	.33
16	MP3C	X	0	4.67
17	MP3C	Z	-57.541	4.67
18	MP3C	Mx	-.031	4.67
19	MP3A	X	0	.33
20	MP3A	Z	-115.826	.33
21	MP3A	Mx	.058	.33
22	MP3A	X	0	4.67
23	MP3A	Z	-115.826	4.67
24	MP3A	Mx	.058	4.67
25	MP3B	X	0	.33
26	MP3B	Z	-66.321	.33
27	MP3B	Mx	.026	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
28	MP3B	X	0	4.67
29	MP3B	Z	-66.321	4.67
30	MP3B	Mx	.026	4.67
31	MP3C	X	0	.33
32	MP3C	Z	-57.541	.33
33	MP3C	Mx	-.05	.33
34	MP3C	X	0	4.67
35	MP3C	Z	-57.541	4.67
36	MP3C	Mx	-.05	4.67
37	MP4A	X	0	.33
38	MP4A	Z	-194.024	.33
39	MP4A	Mx	0	.33
40	MP4A	X	0	4.67
41	MP4A	Z	-194.024	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
44	MP4B	Z	-145.31	.33
45	MP4B	Mx	.126	.33
46	MP4B	X	0	4.67
47	MP4B	Z	-145.31	4.67
48	MP4B	Mx	.126	4.67
49	MP4C	X	0	.33
50	MP4C	Z	-136.67	.33
51	MP4C	Mx	-.128	.33
52	MP4C	X	0	4.67
53	MP4C	Z	-136.67	4.67
54	MP4C	Mx	-.128	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	-82.402	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	-82.402	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	-41.884	1.33
63	MP1B	Mx	.018	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	-41.884	3.33
66	MP1B	Mx	.018	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	-34.698	1.33
69	MP1C	Mx	-.016	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	-34.698	3.33
72	MP1C	Mx	-.016	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	-65.165	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	-49.084	2.5
78	MP4B	Mx	-.014	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	-46.232	2.5
81	MP4C	Mx	.014	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	-65.165	2.5
84	MP3A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
85	MP3B	X	0	2.5
86	MP3B	Z	-43.093	2.5
87	MP3B	Mx	-.012	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	-39.178	2.5
90	MP3C	Mx	.012	2.5
91	M100	X	0	1
92	M100	Z	-108.55	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	-155.976	1
96	M98	Mx	0	1
97	M108	X	0	6
98	M108	Z	-40.298	6
99	M108	Mx	0	6
100	M108	X	0	6
101	M108	Z	-40.298	6
102	M108	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	49.662	.33
2	MP3A	Z	-86.017	.33
3	MP3A	Mx	-.08	.33
4	MP3A	X	49.662	4.67
5	MP3A	Z	-86.017	4.67
6	MP3A	Mx	-.08	4.67
7	MP3B	X	24.91	.33
8	MP3B	Z	-43.145	.33
9	MP3B	Mx	.037	.33
10	MP3B	X	24.91	4.67
11	MP3B	Z	-43.145	4.67
12	MP3B	Mx	.037	4.67
13	MP3C	X	44.277	.33
14	MP3C	Z	-76.69	.33
15	MP3C	Mx	-.009	.33
16	MP3C	X	44.277	4.67
17	MP3C	Z	-76.69	4.67
18	MP3C	Mx	-.009	4.67
19	MP3A	X	49.662	.33
20	MP3A	Z	-86.017	.33
21	MP3A	Mx	.006	.33
22	MP3A	X	49.662	4.67
23	MP3A	Z	-86.017	4.67
24	MP3A	Mx	.006	4.67
25	MP3B	X	24.91	.33
26	MP3B	Z	-43.145	.33
27	MP3B	Mx	.037	.33
28	MP3B	X	24.91	4.67
29	MP3B	Z	-43.145	4.67
30	MP3B	Mx	.037	4.67
31	MP3C	X	44.277	.33
32	MP3C	Z	-76.69	.33
33	MP3C	Mx	-.077	.33
34	MP3C	X	44.277	4.67
35	MP3C	Z	-76.69	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
36	MP3C	Mx	-.077	4.67
37	MP4A	X	88.893	.33
38	MP4A	Z	-153.967	.33
39	MP4A	Mx	-.089	.33
40	MP4A	X	88.893	4.67
41	MP4A	Z	-153.967	4.67
42	MP4A	Mx	-.089	4.67
43	MP4B	X	64.536	.33
44	MP4B	Z	-111.78	.33
45	MP4B	Mx	.129	.33
46	MP4B	X	64.536	4.67
47	MP4B	Z	-111.78	4.67
48	MP4B	Mx	.129	4.67
49	MP4C	X	83.594	.33
50	MP4C	Z	-144.788	.33
51	MP4C	Mx	-.107	.33
52	MP4C	X	83.594	4.67
53	MP4C	Z	-144.788	4.67
54	MP4C	Mx	-.107	4.67
55	MP1A	X	34.448	1.33
56	MP1A	Z	-59.666	1.33
57	MP1A	Mx	-.017	1.33
58	MP1A	X	34.448	3.33
59	MP1A	Z	-59.666	3.33
60	MP1A	Mx	-.017	3.33
61	MP1B	X	14.189	1.33
62	MP1B	Z	-24.576	1.33
63	MP1B	Mx	.014	1.33
64	MP1B	X	14.189	3.33
65	MP1B	Z	-24.576	3.33
66	MP1B	Mx	.014	3.33
67	MP1C	X	30.04	1.33
68	MP1C	Z	-52.032	1.33
69	MP1C	Mx	-.019	1.33
70	MP1C	X	30.04	3.33
71	MP1C	Z	-52.032	3.33
72	MP1C	Mx	-.019	3.33
73	MP4A	X	29.902	2.5
74	MP4A	Z	-51.792	2.5
75	MP4A	Mx	.01	2.5
76	MP4B	X	21.862	2.5
77	MP4B	Z	-37.866	2.5
78	MP4B	Mx	-.015	2.5
79	MP4C	X	28.153	2.5
80	MP4C	Z	-48.762	2.5
81	MP4C	Mx	.012	2.5
82	MP3A	X	28.904	2.5
83	MP3A	Z	-50.063	2.5
84	MP3A	Mx	.01	2.5
85	MP3B	X	17.868	2.5
86	MP3B	Z	-30.948	2.5
87	MP3B	Mx	-.012	2.5
88	MP3C	X	26.503	2.5
89	MP3C	Z	-45.904	2.5
90	MP3C	Mx	.011	2.5
91	M100	X	46.371	1
92	M100	Z	-80.316	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
93	M100	Mx	0	1
94	M98	X	70.084	1
95	M98	Z	-121.388	1
96	M98	Mx	0	1
97	M108	X	16.64	6
98	M108	Z	-28.821	6
99	M108	Mx	-.003	6
100	M108	X	16.64	6
101	M108	Z	-28.821	6
102	M108	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	57.436	.33
2	MP3A	Z	-33.161	.33
3	MP3A	Mx	-.06	.33
4	MP3A	X	57.436	4.67
5	MP3A	Z	-33.161	4.67
6	MP3A	Mx	-.06	4.67
7	MP3B	X	57.436	.33
8	MP3B	Z	-33.161	.33
9	MP3B	Mx	.026	.33
10	MP3B	X	57.436	4.67
11	MP3B	Z	-33.161	4.67
12	MP3B	Mx	.026	4.67
13	MP3C	X	98.584	.33
14	MP3C	Z	-56.918	.33
15	MP3C	Mx	.041	.33
16	MP3C	X	98.584	4.67
17	MP3C	Z	-56.918	4.67
18	MP3C	Mx	.041	4.67
19	MP3A	X	57.436	.33
20	MP3A	Z	-33.161	.33
21	MP3A	Mx	-.026	.33
22	MP3A	X	57.436	4.67
23	MP3A	Z	-33.161	4.67
24	MP3A	Mx	-.026	4.67
25	MP3B	X	57.436	.33
26	MP3B	Z	-33.161	.33
27	MP3B	Mx	.06	.33
28	MP3B	X	57.436	4.67
29	MP3B	Z	-33.161	4.67
30	MP3B	Mx	.06	4.67
31	MP3C	X	98.584	.33
32	MP3C	Z	-56.918	.33
33	MP3C	Mx	-.071	.33
34	MP3C	X	98.584	4.67
35	MP3C	Z	-56.918	4.67
36	MP3C	Mx	-.071	4.67
37	MP4A	X	125.842	.33
38	MP4A	Z	-72.655	.33
39	MP4A	Mx	-.126	.33
40	MP4A	X	125.842	4.67
41	MP4A	Z	-72.655	4.67
42	MP4A	Mx	-.126	4.67
43	MP4B	X	125.842	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
44	MP4B	Z	-72.655	.33
45	MP4B	Mx	.126	.33
46	MP4B	X	125.842	4.67
47	MP4B	Z	-72.655	4.67
48	MP4B	Mx	.126	4.67
49	MP4C	X	166.333	.33
50	MP4C	Z	-96.033	.33
51	MP4C	Mx	-.033	.33
52	MP4C	X	166.333	4.67
53	MP4C	Z	-96.033	4.67
54	MP4C	Mx	-.033	4.67
55	MP1A	X	36.273	1.33
56	MP1A	Z	-20.942	1.33
57	MP1A	Mx	-.018	1.33
58	MP1A	X	36.273	3.33
59	MP1A	Z	-20.942	3.33
60	MP1A	Mx	-.018	3.33
61	MP1B	X	36.273	1.33
62	MP1B	Z	-20.942	1.33
63	MP1B	Mx	.018	1.33
64	MP1B	X	36.273	3.33
65	MP1B	Z	-20.942	3.33
66	MP1B	Mx	.018	3.33
67	MP1C	X	69.952	1.33
68	MP1C	Z	-40.387	1.33
69	MP1C	Mx	-.007	1.33
70	MP1C	X	69.952	3.33
71	MP1C	Z	-40.387	3.33
72	MP1C	Mx	-.007	3.33
73	MP4A	X	42.508	2.5
74	MP4A	Z	-24.542	2.5
75	MP4A	Mx	.014	2.5
76	MP4B	X	42.508	2.5
77	MP4B	Z	-24.542	2.5
78	MP4B	Mx	-.014	2.5
79	MP4C	X	55.875	2.5
80	MP4C	Z	-32.259	2.5
81	MP4C	Mx	.004	2.5
82	MP3A	X	37.32	2.5
83	MP3A	Z	-21.547	2.5
84	MP3A	Mx	.012	2.5
85	MP3B	X	37.32	2.5
86	MP3B	Z	-21.547	2.5
87	MP3B	Mx	-.012	2.5
88	MP3C	X	55.666	2.5
89	MP3C	Z	-32.139	2.5
90	MP3C	Mx	.004	2.5
91	M100	X	94.007	1
92	M100	Z	-54.275	1
93	M100	Mx	0	1
94	M98	X	94.007	1
95	M98	Z	-54.275	1
96	M98	Mx	0	1
97	M108	X	16.664	6
98	M108	Z	-9.621	6
99	M108	Mx	-.003	6
100	M108	X	16.664	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
101	M108	Z	-9.621	6
102	M108	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	49.82	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	-.037	.33
4	MP3A	X	49.82	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	-.037	4.67
7	MP3B	X	99.324	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	-.006	.33
10	MP3B	X	99.324	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	-.006	4.67
13	MP3C	X	108.104	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	.079	.33
16	MP3C	X	108.104	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	.079	4.67
19	MP3A	X	49.82	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	-.037	.33
22	MP3A	X	49.82	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	-.037	4.67
25	MP3B	X	99.324	.33
26	MP3B	Z	0	.33
27	MP3B	Mx	.08	.33
28	MP3B	X	99.324	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	.08	4.67
31	MP3C	X	108.104	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	-.023	.33
34	MP3C	X	108.104	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	-.023	4.67
37	MP4A	X	129.072	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	-.129	.33
40	MP4A	X	129.072	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	-.129	4.67
43	MP4B	X	177.786	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	.089	.33
46	MP4B	X	177.786	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	.089	4.67
49	MP4C	X	186.426	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	.064	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
52	MP4C	X	186.426	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	.064	4.67
55	MP1A	X	28.378	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	-.014	1.33
58	MP1A	X	28.378	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	-.014	3.33
61	MP1B	X	68.896	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	.017	1.33
64	MP1B	X	68.896	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.017	3.33
67	MP1C	X	76.083	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.013	1.33
70	MP1C	X	76.083	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	.013	3.33
73	MP4A	X	43.724	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	.015	2.5
76	MP4B	X	59.805	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	-.01	2.5
79	MP4C	X	62.657	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	-.007	2.5
82	MP3A	X	35.736	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.012	2.5
85	MP3B	X	57.808	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	-.01	2.5
88	MP3C	X	61.722	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	-.007	2.5
91	M100	X	140.167	1
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98	X	92.741	1
95	M98	Z	0	1
96	M98	Mx	0	1
97	M108	X	12.223	6
98	M108	Z	0	6
99	M108	Mx	-.002	6
100	M108	X	12.223	6
101	M108	Z	0	6
102	M108	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	57.436	.33
2	MP3A	Z	33.161	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
3	MP3A	Mx	-.026	.33
4	MP3A	X	57.436	4.67
5	MP3A	Z	33.161	4.67
6	MP3A	Mx	-.026	4.67
7	MP3B	X	100.308	.33
8	MP3B	Z	57.913	.33
9	MP3B	Mx	-.058	.33
10	MP3B	X	100.308	4.67
11	MP3B	Z	57.913	4.67
12	MP3B	Mx	-.058	4.67
13	MP3C	X	66.763	.33
14	MP3C	Z	38.546	.33
15	MP3C	Mx	.069	.33
16	MP3C	X	66.763	4.67
17	MP3C	Z	38.546	4.67
18	MP3C	Mx	.069	4.67
19	MP3A	X	57.436	.33
20	MP3A	Z	33.161	.33
21	MP3A	Mx	-.06	.33
22	MP3A	X	57.436	4.67
23	MP3A	Z	33.161	4.67
24	MP3A	Mx	-.06	4.67
25	MP3B	X	100.308	.33
26	MP3B	Z	57.913	.33
27	MP3B	Mx	.058	.33
28	MP3B	X	100.308	4.67
29	MP3B	Z	57.913	4.67
30	MP3B	Mx	.058	4.67
31	MP3C	X	66.763	.33
32	MP3C	Z	38.546	.33
33	MP3C	Mx	.02	.33
34	MP3C	X	66.763	4.67
35	MP3C	Z	38.546	4.67
36	MP3C	Mx	.02	4.67
37	MP4A	X	125.842	.33
38	MP4A	Z	72.655	.33
39	MP4A	Mx	-.126	.33
40	MP4A	X	125.842	4.67
41	MP4A	Z	72.655	4.67
42	MP4A	Mx	-.126	4.67
43	MP4B	X	168.03	.33
44	MP4B	Z	97.012	.33
45	MP4B	Mx	0	.33
46	MP4B	X	168.03	4.67
47	MP4B	Z	97.012	4.67
48	MP4B	Mx	0	4.67
49	MP4C	X	135.021	.33
50	MP4C	Z	77.954	.33
51	MP4C	Mx	.119	.33
52	MP4C	X	135.021	4.67
53	MP4C	Z	77.954	4.67
54	MP4C	Mx	.119	4.67
55	MP1A	X	36.273	1.33
56	MP1A	Z	20.942	1.33
57	MP1A	Mx	-.018	1.33
58	MP1A	X	36.273	3.33
59	MP1A	Z	20.942	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
60	MP1A	Mx	-.018	3.33
61	MP1B	X	71.362	1.33
62	MP1B	Z	41.201	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	71.362	3.33
65	MP1B	Z	41.201	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	43.907	1.33
68	MP1C	Z	25.35	1.33
69	MP1C	Mx	.019	1.33
70	MP1C	X	43.907	3.33
71	MP1C	Z	25.35	3.33
72	MP1C	Mx	.019	3.33
73	MP4A	X	42.508	2.5
74	MP4A	Z	24.542	2.5
75	MP4A	Mx	.014	2.5
76	MP4B	X	56.435	2.5
77	MP4B	Z	32.583	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	45.538	2.5
80	MP4C	Z	26.291	2.5
81	MP4C	Mx	-.013	2.5
82	MP3A	X	37.32	2.5
83	MP3A	Z	21.547	2.5
84	MP3A	Mx	.012	2.5
85	MP3B	X	56.435	2.5
86	MP3B	Z	32.583	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	41.478	2.5
89	MP3C	Z	23.948	2.5
90	MP3C	Mx	-.012	2.5
91	M100	X	135.079	1
92	M100	Z	77.988	1
93	M100	Mx	0	1
94	M98	X	94.007	1
95	M98	Z	54.275	1
96	M98	Mx	0	1
97	M108	X	16.664	6
98	M108	Z	9.621	6
99	M108	Mx	-.003	6
100	M108	X	16.664	6
101	M108	Z	9.621	6
102	M108	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	49.662	.33
2	MP3A	Z	86.017	.33
3	MP3A	Mx	.006	.33
4	MP3A	X	49.662	4.67
5	MP3A	Z	86.017	4.67
6	MP3A	Mx	.006	4.67
7	MP3B	X	49.662	.33
8	MP3B	Z	86.017	.33
9	MP3B	Mx	-.08	.33
10	MP3B	X	49.662	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
11	MP3B	Z	86.017	4.67
12	MP3B	Mx	-.08	4.67
13	MP3C	X	25.905	.33
14	MP3C	Z	44.869	.33
15	MP3C	Mx	.043	.33
16	MP3C	X	25.905	4.67
17	MP3C	Z	44.869	4.67
18	MP3C	Mx	.043	4.67
19	MP3A	X	49.662	.33
20	MP3A	Z	86.017	.33
21	MP3A	Mx	-.08	.33
22	MP3A	X	49.662	4.67
23	MP3A	Z	86.017	4.67
24	MP3A	Mx	-.08	4.67
25	MP3B	X	49.662	.33
26	MP3B	Z	86.017	.33
27	MP3B	Mx	.006	.33
28	MP3B	X	49.662	4.67
29	MP3B	Z	86.017	4.67
30	MP3B	Mx	.006	4.67
31	MP3C	X	25.905	.33
32	MP3C	Z	44.869	.33
33	MP3C	Mx	.034	.33
34	MP3C	X	25.905	4.67
35	MP3C	Z	44.869	4.67
36	MP3C	Mx	.034	4.67
37	MP4A	X	88.893	.33
38	MP4A	Z	153.967	.33
39	MP4A	Mx	-.089	.33
40	MP4A	X	88.893	4.67
41	MP4A	Z	153.967	4.67
42	MP4A	Mx	-.089	4.67
43	MP4B	X	88.893	.33
44	MP4B	Z	153.967	.33
45	MP4B	Mx	-.089	.33
46	MP4B	X	88.893	4.67
47	MP4B	Z	153.967	4.67
48	MP4B	Mx	-.089	4.67
49	MP4C	X	65.515	.33
50	MP4C	Z	113.476	.33
51	MP4C	Mx	.129	.33
52	MP4C	X	65.515	4.67
53	MP4C	Z	113.476	4.67
54	MP4C	Mx	.129	4.67
55	MP1A	X	34.448	1.33
56	MP1A	Z	59.666	1.33
57	MP1A	Mx	-.017	1.33
58	MP1A	X	34.448	3.33
59	MP1A	Z	59.666	3.33
60	MP1A	Mx	-.017	3.33
61	MP1B	X	34.448	1.33
62	MP1B	Z	59.666	1.33
63	MP1B	Mx	-.017	1.33
64	MP1B	X	34.448	3.33
65	MP1B	Z	59.666	3.33
66	MP1B	Mx	-.017	3.33
67	MP1C	X	15.004	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
68	MP1C	Z	25.987	1.33
69	MP1C	Mx	.015	1.33
70	MP1C	X	15.004	3.33
71	MP1C	Z	25.987	3.33
72	MP1C	Mx	.015	3.33
73	MP4A	X	29.902	2.5
74	MP4A	Z	51.792	2.5
75	MP4A	Mx	.01	2.5
76	MP4B	X	29.902	2.5
77	MP4B	Z	51.792	2.5
78	MP4B	Mx	.01	2.5
79	MP4C	X	22.185	2.5
80	MP4C	Z	38.426	2.5
81	MP4C	Mx	-.015	2.5
82	MP3A	X	28.904	2.5
83	MP3A	Z	50.063	2.5
84	MP3A	Mx	.01	2.5
85	MP3B	X	28.904	2.5
86	MP3B	Z	50.063	2.5
87	MP3B	Mx	.01	2.5
88	MP3C	X	18.312	2.5
89	MP3C	Z	31.717	2.5
90	MP3C	Mx	-.012	2.5
91	M100	X	70.084	1
92	M100	Z	121.388	1
93	M100	Mx	0	1
94	M98	X	70.084	1
95	M98	Z	121.388	1
96	M98	Mx	0	1
97	M108	X	16.64	6
98	M108	Z	28.821	6
99	M108	Mx	-.003	6
100	M108	X	16.64	6
101	M108	Z	28.821	6
102	M108	Mx	.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	115.826	.33
3	MP3A	Mx	.058	.33
4	MP3A	X	0	4.67
5	MP3A	Z	115.826	4.67
6	MP3A	Mx	.058	4.67
7	MP3B	X	0	.33
8	MP3B	Z	66.321	.33
9	MP3B	Mx	-.06	.33
10	MP3B	X	0	4.67
11	MP3B	Z	66.321	4.67
12	MP3B	Mx	-.06	4.67
13	MP3C	X	0	.33
14	MP3C	Z	57.541	.33
15	MP3C	Mx	.031	.33
16	MP3C	X	0	4.67
17	MP3C	Z	57.541	4.67
18	MP3C	Mx	.031	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
19	MP3A	X	0	.33
20	MP3A	Z	115.826	.33
21	MP3A	Mx	-.058	.33
22	MP3A	X	0	4.67
23	MP3A	Z	115.826	4.67
24	MP3A	Mx	-.058	4.67
25	MP3B	X	0	.33
26	MP3B	Z	66.321	.33
27	MP3B	Mx	-.026	.33
28	MP3B	X	0	4.67
29	MP3B	Z	66.321	4.67
30	MP3B	Mx	-.026	4.67
31	MP3C	X	0	.33
32	MP3C	Z	57.541	.33
33	MP3C	Mx	.05	.33
34	MP3C	X	0	4.67
35	MP3C	Z	57.541	4.67
36	MP3C	Mx	.05	4.67
37	MP4A	X	0	.33
38	MP4A	Z	194.024	.33
39	MP4A	Mx	0	.33
40	MP4A	X	0	4.67
41	MP4A	Z	194.024	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
44	MP4B	Z	145.31	.33
45	MP4B	Mx	-.126	.33
46	MP4B	X	0	4.67
47	MP4B	Z	145.31	4.67
48	MP4B	Mx	-.126	4.67
49	MP4C	X	0	.33
50	MP4C	Z	136.67	.33
51	MP4C	Mx	.128	.33
52	MP4C	X	0	4.67
53	MP4C	Z	136.67	4.67
54	MP4C	Mx	.128	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	82.402	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	82.402	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	41.884	1.33
63	MP1B	Mx	-.018	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	41.884	3.33
66	MP1B	Mx	-.018	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	34.698	1.33
69	MP1C	Mx	.016	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	34.698	3.33
72	MP1C	Mx	.016	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	65.165	2.5
75	MP4A	Mx	0	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
76	MP4B	X	0	2.5
77	MP4B	Z	49.084	2.5
78	MP4B	Mx	.014	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	46.232	2.5
81	MP4C	Mx	-.014	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	65.165	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	43.093	2.5
87	MP3B	Mx	.012	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	39.178	2.5
90	MP3C	Mx	-.012	2.5
91	M100	X	0	1
92	M100	Z	108.55	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	155.976	1
96	M98	Mx	0	1
97	M108	X	0	6
98	M108	Z	40.298	6
99	M108	Mx	0	6
100	M108	X	0	6
101	M108	Z	40.298	6
102	M108	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-49.662	.33
2	MP3A	Z	86.017	.33
3	MP3A	Mx	.08	.33
4	MP3A	X	-49.662	4.67
5	MP3A	Z	86.017	4.67
6	MP3A	Mx	.08	4.67
7	MP3B	X	-24.91	.33
8	MP3B	Z	43.145	.33
9	MP3B	Mx	-.037	.33
10	MP3B	X	-24.91	4.67
11	MP3B	Z	43.145	4.67
12	MP3B	Mx	-.037	4.67
13	MP3C	X	-44.277	.33
14	MP3C	Z	76.69	.33
15	MP3C	Mx	.009	.33
16	MP3C	X	-44.277	4.67
17	MP3C	Z	76.69	4.67
18	MP3C	Mx	.009	4.67
19	MP3A	X	-49.662	.33
20	MP3A	Z	86.017	.33
21	MP3A	Mx	-.006	.33
22	MP3A	X	-49.662	4.67
23	MP3A	Z	86.017	4.67
24	MP3A	Mx	-.006	4.67
25	MP3B	X	-24.91	.33
26	MP3B	Z	43.145	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
27	MP3B	Mx	-.037	.33
28	MP3B	X	-24.91	4.67
29	MP3B	Z	43.145	4.67
30	MP3B	Mx	-.037	4.67
31	MP3C	X	-44.277	.33
32	MP3C	Z	76.69	.33
33	MP3C	Mx	.077	.33
34	MP3C	X	-44.277	4.67
35	MP3C	Z	76.69	4.67
36	MP3C	Mx	.077	4.67
37	MP4A	X	-88.893	.33
38	MP4A	Z	153.967	.33
39	MP4A	Mx	.089	.33
40	MP4A	X	-88.893	4.67
41	MP4A	Z	153.967	4.67
42	MP4A	Mx	.089	4.67
43	MP4B	X	-64.536	.33
44	MP4B	Z	111.78	.33
45	MP4B	Mx	-.129	.33
46	MP4B	X	-64.536	4.67
47	MP4B	Z	111.78	4.67
48	MP4B	Mx	-.129	4.67
49	MP4C	X	-83.594	.33
50	MP4C	Z	144.788	.33
51	MP4C	Mx	.107	.33
52	MP4C	X	-83.594	4.67
53	MP4C	Z	144.788	4.67
54	MP4C	Mx	.107	4.67
55	MP1A	X	-34.448	1.33
56	MP1A	Z	59.666	1.33
57	MP1A	Mx	.017	1.33
58	MP1A	X	-34.448	3.33
59	MP1A	Z	59.666	3.33
60	MP1A	Mx	.017	3.33
61	MP1B	X	-14.189	1.33
62	MP1B	Z	24.576	1.33
63	MP1B	Mx	-.014	1.33
64	MP1B	X	-14.189	3.33
65	MP1B	Z	24.576	3.33
66	MP1B	Mx	-.014	3.33
67	MP1C	X	-30.04	1.33
68	MP1C	Z	52.032	1.33
69	MP1C	Mx	.019	1.33
70	MP1C	X	-30.04	3.33
71	MP1C	Z	52.032	3.33
72	MP1C	Mx	.019	3.33
73	MP4A	X	-29.902	2.5
74	MP4A	Z	51.792	2.5
75	MP4A	Mx	-.01	2.5
76	MP4B	X	-21.862	2.5
77	MP4B	Z	37.866	2.5
78	MP4B	Mx	.015	2.5
79	MP4C	X	-28.153	2.5
80	MP4C	Z	48.762	2.5
81	MP4C	Mx	-.012	2.5
82	MP3A	X	-28.904	2.5
83	MP3A	Z	50.063	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
84	MP3A	Mx	-.01	2.5
85	MP3B	X	-17.868	2.5
86	MP3B	Z	30.948	2.5
87	MP3B	Mx	.012	2.5
88	MP3C	X	-26.503	2.5
89	MP3C	Z	45.904	2.5
90	MP3C	Mx	-.011	2.5
91	M100	X	-46.371	1
92	M100	Z	80.316	1
93	M100	Mx	0	1
94	M98	X	-70.084	1
95	M98	Z	121.388	1
96	M98	Mx	0	1
97	M108	X	-16.64	6
98	M108	Z	28.821	6
99	M108	Mx	.003	6
100	M108	X	-16.64	6
101	M108	Z	28.821	6
102	M108	Mx	-.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-57.436	.33
2	MP3A	Z	33.161	.33
3	MP3A	Mx	.06	.33
4	MP3A	X	-57.436	4.67
5	MP3A	Z	33.161	4.67
6	MP3A	Mx	.06	4.67
7	MP3B	X	-57.436	.33
8	MP3B	Z	33.161	.33
9	MP3B	Mx	-.026	.33
10	MP3B	X	-57.436	4.67
11	MP3B	Z	33.161	4.67
12	MP3B	Mx	-.026	4.67
13	MP3C	X	-98.584	.33
14	MP3C	Z	56.918	.33
15	MP3C	Mx	-.041	.33
16	MP3C	X	-98.584	4.67
17	MP3C	Z	56.918	4.67
18	MP3C	Mx	-.041	4.67
19	MP3A	X	-57.436	.33
20	MP3A	Z	33.161	.33
21	MP3A	Mx	.026	.33
22	MP3A	X	-57.436	4.67
23	MP3A	Z	33.161	4.67
24	MP3A	Mx	.026	4.67
25	MP3B	X	-57.436	.33
26	MP3B	Z	33.161	.33
27	MP3B	Mx	-.06	.33
28	MP3B	X	-57.436	4.67
29	MP3B	Z	33.161	4.67
30	MP3B	Mx	-.06	4.67
31	MP3C	X	-98.584	.33
32	MP3C	Z	56.918	.33
33	MP3C	Mx	.071	.33
34	MP3C	X	-98.584	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
35	MP3C	Z	56.918	4.67
36	MP3C	Mx	.071	4.67
37	MP4A	X	-125.842	.33
38	MP4A	Z	72.655	.33
39	MP4A	Mx	.126	.33
40	MP4A	X	-125.842	4.67
41	MP4A	Z	72.655	4.67
42	MP4A	Mx	.126	4.67
43	MP4B	X	-125.842	.33
44	MP4B	Z	72.655	.33
45	MP4B	Mx	-.126	.33
46	MP4B	X	-125.842	4.67
47	MP4B	Z	72.655	4.67
48	MP4B	Mx	-.126	4.67
49	MP4C	X	-166.333	.33
50	MP4C	Z	96.033	.33
51	MP4C	Mx	.033	.33
52	MP4C	X	-166.333	4.67
53	MP4C	Z	96.033	4.67
54	MP4C	Mx	.033	4.67
55	MP1A	X	-36.273	1.33
56	MP1A	Z	20.942	1.33
57	MP1A	Mx	.018	1.33
58	MP1A	X	-36.273	3.33
59	MP1A	Z	20.942	3.33
60	MP1A	Mx	.018	3.33
61	MP1B	X	-36.273	1.33
62	MP1B	Z	20.942	1.33
63	MP1B	Mx	-.018	1.33
64	MP1B	X	-36.273	3.33
65	MP1B	Z	20.942	3.33
66	MP1B	Mx	-.018	3.33
67	MP1C	X	-69.952	1.33
68	MP1C	Z	40.387	1.33
69	MP1C	Mx	.007	1.33
70	MP1C	X	-69.952	3.33
71	MP1C	Z	40.387	3.33
72	MP1C	Mx	.007	3.33
73	MP4A	X	-42.508	2.5
74	MP4A	Z	24.542	2.5
75	MP4A	Mx	-.014	2.5
76	MP4B	X	-42.508	2.5
77	MP4B	Z	24.542	2.5
78	MP4B	Mx	.014	2.5
79	MP4C	X	-55.875	2.5
80	MP4C	Z	32.259	2.5
81	MP4C	Mx	-.004	2.5
82	MP3A	X	-37.32	2.5
83	MP3A	Z	21.547	2.5
84	MP3A	Mx	-.012	2.5
85	MP3B	X	-37.32	2.5
86	MP3B	Z	21.547	2.5
87	MP3B	Mx	.012	2.5
88	MP3C	X	-55.666	2.5
89	MP3C	Z	32.139	2.5
90	MP3C	Mx	-.004	2.5
91	M100	X	-94.007	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
92	M100	Z	54.275	1
93	M100	Mx	0	1
94	M98	X	-94.007	1
95	M98	Z	54.275	1
96	M98	Mx	0	1
97	M108	X	-16.664	6
98	M108	Z	9.621	6
99	M108	Mx	.003	6
100	M108	X	-16.664	6
101	M108	Z	9.621	6
102	M108	Mx	-.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-49.82	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	.037	.33
4	MP3A	X	-49.82	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	.037	4.67
7	MP3B	X	-99.324	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	.006	.33
10	MP3B	X	-99.324	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	.006	4.67
13	MP3C	X	-108.104	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	-.079	.33
16	MP3C	X	-108.104	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	-.079	4.67
19	MP3A	X	-49.82	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	.037	.33
22	MP3A	X	-49.82	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	.037	4.67
25	MP3B	X	-99.324	.33
26	MP3B	Z	0	.33
27	MP3B	Mx	-.08	.33
28	MP3B	X	-99.324	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	-.08	4.67
31	MP3C	X	-108.104	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	.023	.33
34	MP3C	X	-108.104	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	.023	4.67
37	MP4A	X	-129.072	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	.129	.33
40	MP4A	X	-129.072	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	.129	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
43	MP4B	X	-177.786	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	-.089	.33
46	MP4B	X	-177.786	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	-.089	4.67
49	MP4C	X	-186.426	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	-.064	.33
52	MP4C	X	-186.426	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	-.064	4.67
55	MP1A	X	-28.378	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	.014	1.33
58	MP1A	X	-28.378	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	.014	3.33
61	MP1B	X	-68.896	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	-.017	1.33
64	MP1B	X	-68.896	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	-.017	3.33
67	MP1C	X	-76.083	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	-.013	1.33
70	MP1C	X	-76.083	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	-.013	3.33
73	MP4A	X	-43.724	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	-.015	2.5
76	MP4B	X	-59.805	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	.01	2.5
79	MP4C	X	-62.657	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	.007	2.5
82	MP3A	X	-35.736	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.012	2.5
85	MP3B	X	-57.808	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.01	2.5
88	MP3C	X	-61.722	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.007	2.5
91	M100	X	-140.167	1
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98	X	-92.741	1
95	M98	Z	0	1
96	M98	Mx	0	1
97	M108	X	-12.223	6
98	M108	Z	0	6
99	M108	Mx	.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
100	M108	X	-12.223	6
101	M108	Z	0	6
102	M108	Mx	-.002	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-57.436	.33
2	MP3A	Z	-33.161	.33
3	MP3A	Mx	.026	.33
4	MP3A	X	-57.436	4.67
5	MP3A	Z	-33.161	4.67
6	MP3A	Mx	.026	4.67
7	MP3B	X	-100.308	.33
8	MP3B	Z	-57.913	.33
9	MP3B	Mx	.058	.33
10	MP3B	X	-100.308	4.67
11	MP3B	Z	-57.913	4.67
12	MP3B	Mx	.058	4.67
13	MP3C	X	-66.763	.33
14	MP3C	Z	-38.546	.33
15	MP3C	Mx	-.069	.33
16	MP3C	X	-66.763	4.67
17	MP3C	Z	-38.546	4.67
18	MP3C	Mx	-.069	4.67
19	MP3A	X	-57.436	.33
20	MP3A	Z	-33.161	.33
21	MP3A	Mx	.06	.33
22	MP3A	X	-57.436	4.67
23	MP3A	Z	-33.161	4.67
24	MP3A	Mx	.06	4.67
25	MP3B	X	-100.308	.33
26	MP3B	Z	-57.913	.33
27	MP3B	Mx	-.058	.33
28	MP3B	X	-100.308	4.67
29	MP3B	Z	-57.913	4.67
30	MP3B	Mx	-.058	4.67
31	MP3C	X	-66.763	.33
32	MP3C	Z	-38.546	.33
33	MP3C	Mx	-.02	.33
34	MP3C	X	-66.763	4.67
35	MP3C	Z	-38.546	4.67
36	MP3C	Mx	-.02	4.67
37	MP4A	X	-125.842	.33
38	MP4A	Z	-72.655	.33
39	MP4A	Mx	.126	.33
40	MP4A	X	-125.842	4.67
41	MP4A	Z	-72.655	4.67
42	MP4A	Mx	.126	4.67
43	MP4B	X	-168.03	.33
44	MP4B	Z	-97.012	.33
45	MP4B	Mx	0	.33
46	MP4B	X	-168.03	4.67
47	MP4B	Z	-97.012	4.67
48	MP4B	Mx	0	4.67
49	MP4C	X	-135.021	.33
50	MP4C	Z	-77.954	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
51	MP4C	Mx	-.119	.33
52	MP4C	X	-135.021	4.67
53	MP4C	Z	-77.954	4.67
54	MP4C	Mx	-.119	4.67
55	MP1A	X	-36.273	1.33
56	MP1A	Z	-20.942	1.33
57	MP1A	Mx	.018	1.33
58	MP1A	X	-36.273	3.33
59	MP1A	Z	-20.942	3.33
60	MP1A	Mx	.018	3.33
61	MP1B	X	-71.362	1.33
62	MP1B	Z	-41.201	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	-71.362	3.33
65	MP1B	Z	-41.201	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	-43.907	1.33
68	MP1C	Z	-25.35	1.33
69	MP1C	Mx	-.019	1.33
70	MP1C	X	-43.907	3.33
71	MP1C	Z	-25.35	3.33
72	MP1C	Mx	-.019	3.33
73	MP4A	X	-42.508	2.5
74	MP4A	Z	-24.542	2.5
75	MP4A	Mx	-.014	2.5
76	MP4B	X	-56.435	2.5
77	MP4B	Z	-32.583	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	-45.538	2.5
80	MP4C	Z	-26.291	2.5
81	MP4C	Mx	.013	2.5
82	MP3A	X	-37.32	2.5
83	MP3A	Z	-21.547	2.5
84	MP3A	Mx	-.012	2.5
85	MP3B	X	-56.435	2.5
86	MP3B	Z	-32.583	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	-41.478	2.5
89	MP3C	Z	-23.948	2.5
90	MP3C	Mx	.012	2.5
91	M100	X	-135.079	1
92	M100	Z	-77.988	1
93	M100	Mx	0	1
94	M98	X	-94.007	1
95	M98	Z	-54.275	1
96	M98	Mx	0	1
97	M108	X	-16.664	6
98	M108	Z	-9.621	6
99	M108	Mx	.003	6
100	M108	X	-16.664	6
101	M108	Z	-9.621	6
102	M108	Mx	-.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-49.662	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
2	MP3A	Z	-86.017	.33
3	MP3A	Mx	-.006	.33
4	MP3A	X	-49.662	4.67
5	MP3A	Z	-86.017	4.67
6	MP3A	Mx	-.006	4.67
7	MP3B	X	-49.662	.33
8	MP3B	Z	-86.017	.33
9	MP3B	Mx	.08	.33
10	MP3B	X	-49.662	4.67
11	MP3B	Z	-86.017	4.67
12	MP3B	Mx	.08	4.67
13	MP3C	X	-25.905	.33
14	MP3C	Z	-44.869	.33
15	MP3C	Mx	-.043	.33
16	MP3C	X	-25.905	4.67
17	MP3C	Z	-44.869	4.67
18	MP3C	Mx	-.043	4.67
19	MP3A	X	-49.662	.33
20	MP3A	Z	-86.017	.33
21	MP3A	Mx	.08	.33
22	MP3A	X	-49.662	4.67
23	MP3A	Z	-86.017	4.67
24	MP3A	Mx	.08	4.67
25	MP3B	X	-49.662	.33
26	MP3B	Z	-86.017	.33
27	MP3B	Mx	-.006	.33
28	MP3B	X	-49.662	4.67
29	MP3B	Z	-86.017	4.67
30	MP3B	Mx	-.006	4.67
31	MP3C	X	-25.905	.33
32	MP3C	Z	-44.869	.33
33	MP3C	Mx	-.034	.33
34	MP3C	X	-25.905	4.67
35	MP3C	Z	-44.869	4.67
36	MP3C	Mx	-.034	4.67
37	MP4A	X	-88.893	.33
38	MP4A	Z	-153.967	.33
39	MP4A	Mx	.089	.33
40	MP4A	X	-88.893	4.67
41	MP4A	Z	-153.967	4.67
42	MP4A	Mx	.089	4.67
43	MP4B	X	-88.893	.33
44	MP4B	Z	-153.967	.33
45	MP4B	Mx	.089	.33
46	MP4B	X	-88.893	4.67
47	MP4B	Z	-153.967	4.67
48	MP4B	Mx	.089	4.67
49	MP4C	X	-65.515	.33
50	MP4C	Z	-113.476	.33
51	MP4C	Mx	-.129	.33
52	MP4C	X	-65.515	4.67
53	MP4C	Z	-113.476	4.67
54	MP4C	Mx	-.129	4.67
55	MP1A	X	-34.448	1.33
56	MP1A	Z	-59.666	1.33
57	MP1A	Mx	.017	1.33
58	MP1A	X	-34.448	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
59	MP1A	Z	-59.666	3.33
60	MP1A	Mx	.017	3.33
61	MP1B	X	-34.448	1.33
62	MP1B	Z	-59.666	1.33
63	MP1B	Mx	.017	1.33
64	MP1B	X	-34.448	3.33
65	MP1B	Z	-59.666	3.33
66	MP1B	Mx	.017	3.33
67	MP1C	X	-15.004	1.33
68	MP1C	Z	-25.987	1.33
69	MP1C	Mx	-.015	1.33
70	MP1C	X	-15.004	3.33
71	MP1C	Z	-25.987	3.33
72	MP1C	Mx	-.015	3.33
73	MP4A	X	-29.902	2.5
74	MP4A	Z	-51.792	2.5
75	MP4A	Mx	-.01	2.5
76	MP4B	X	-29.902	2.5
77	MP4B	Z	-51.792	2.5
78	MP4B	Mx	-.01	2.5
79	MP4C	X	-22.185	2.5
80	MP4C	Z	-38.426	2.5
81	MP4C	Mx	.015	2.5
82	MP3A	X	-28.904	2.5
83	MP3A	Z	-50.063	2.5
84	MP3A	Mx	-.01	2.5
85	MP3B	X	-28.904	2.5
86	MP3B	Z	-50.063	2.5
87	MP3B	Mx	-.01	2.5
88	MP3C	X	-18.312	2.5
89	MP3C	Z	-31.717	2.5
90	MP3C	Mx	.012	2.5
91	M100	X	-70.084	1
92	M100	Z	-121.388	1
93	M100	Mx	0	1
94	M98	X	-70.084	1
95	M98	Z	-121.388	1
96	M98	Mx	0	1
97	M108	X	-16.64	6
98	M108	Z	-28.821	6
99	M108	Mx	.003	6
100	M108	X	-16.64	6
101	M108	Z	-28.821	6
102	M108	Mx	-.003	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	-32.836	.33
3	MP3A	Mx	-.016	.33
4	MP3A	X	0	4.67
5	MP3A	Z	-32.836	4.67
6	MP3A	Mx	-.016	4.67
7	MP3B	X	0	.33
8	MP3B	Z	-25.193	.33
9	MP3B	Mx	.023	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
10	MP3B	X	0	4.67
11	MP3B	Z	-25.193	4.67
12	MP3B	Mx	.023	4.67
13	MP3C	X	0	.33
14	MP3C	Z	-23.837	.33
15	MP3C	Mx	-.013	.33
16	MP3C	X	0	4.67
17	MP3C	Z	-23.837	4.67
18	MP3C	Mx	-.013	4.67
19	MP3A	X	0	.33
20	MP3A	Z	-32.836	.33
21	MP3A	Mx	.016	.33
22	MP3A	X	0	4.67
23	MP3A	Z	-32.836	4.67
24	MP3A	Mx	.016	4.67
25	MP3B	X	0	.33
26	MP3B	Z	-25.193	.33
27	MP3B	Mx	.01	.33
28	MP3B	X	0	4.67
29	MP3B	Z	-25.193	4.67
30	MP3B	Mx	.01	4.67
31	MP3C	X	0	.33
32	MP3C	Z	-23.837	.33
33	MP3C	Mx	-.021	.33
34	MP3C	X	0	4.67
35	MP3C	Z	-23.837	4.67
36	MP3C	Mx	-.021	4.67
37	MP4A	X	0	.33
38	MP4A	Z	-37.063	.33
39	MP4A	Mx	0	.33
40	MP4A	X	0	4.67
41	MP4A	Z	-37.063	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
44	MP4B	Z	-28.467	.33
45	MP4B	Mx	.025	.33
46	MP4B	X	0	4.67
47	MP4B	Z	-28.467	4.67
48	MP4B	Mx	.025	4.67
49	MP4C	X	0	.33
50	MP4C	Z	-26.942	.33
51	MP4C	Mx	-.025	.33
52	MP4C	X	0	4.67
53	MP4C	Z	-26.942	4.67
54	MP4C	Mx	-.025	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	-19.375	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	-19.375	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	-11.033	1.33
63	MP1B	Mx	.005	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	-11.033	3.33
66	MP1B	Mx	.005	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
67	MP1C	X	0	1.33
68	MP1C	Z	-9.554	1.33
69	MP1C	Mx	-.004	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	-9.554	3.33
72	MP1C	Mx	-.004	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	-16.329	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	-12.601	2.5
78	MP4B	Mx	-.004	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	-11.939	2.5
81	MP4C	Mx	.004	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	-16.329	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	-11.184	2.5
87	MP3B	Mx	-.003	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	-10.271	2.5
90	MP3C	Mx	.003	2.5
91	M100	X	0	1
92	M100	Z	-22.114	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	-30.75	1
96	M98	Mx	0	1
97	M108	X	0	6
98	M108	Z	-8.96	6
99	M108	Mx	0	6
100	M108	X	0	6
101	M108	Z	-8.96	6
102	M108	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	15.144	.33
2	MP3A	Z	-26.231	.33
3	MP3A	Mx	-.024	.33
4	MP3A	X	15.144	4.67
5	MP3A	Z	-26.231	4.67
6	MP3A	Mx	-.024	4.67
7	MP3B	X	11.323	.33
8	MP3B	Z	-19.611	.33
9	MP3B	Mx	.017	.33
10	MP3B	X	11.323	4.67
11	MP3B	Z	-19.611	4.67
12	MP3B	Mx	.017	4.67
13	MP3C	X	14.313	.33
14	MP3C	Z	-24.791	.33
15	MP3C	Mx	-.003	.33
16	MP3C	X	14.313	4.67
17	MP3C	Z	-24.791	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
18	MP3C	Mx	-.003	4.67
19	MP3A	X	15.144	.33
20	MP3A	Z	-26.231	.33
21	MP3A	Mx	.002	.33
22	MP3A	X	15.144	4.67
23	MP3A	Z	-26.231	4.67
24	MP3A	Mx	.002	4.67
25	MP3B	X	11.323	.33
26	MP3B	Z	-19.611	.33
27	MP3B	Mx	.017	.33
28	MP3B	X	11.323	4.67
29	MP3B	Z	-19.611	4.67
30	MP3B	Mx	.017	4.67
31	MP3C	X	14.313	.33
32	MP3C	Z	-24.791	.33
33	MP3C	Mx	-.025	.33
34	MP3C	X	14.313	4.67
35	MP3C	Z	-24.791	4.67
36	MP3C	Mx	-.025	4.67
37	MP4A	X	17.099	.33
38	MP4A	Z	-29.616	.33
39	MP4A	Mx	-.017	.33
40	MP4A	X	17.099	4.67
41	MP4A	Z	-29.616	4.67
42	MP4A	Mx	-.017	4.67
43	MP4B	X	12.801	.33
44	MP4B	Z	-22.172	.33
45	MP4B	Mx	.026	.33
46	MP4B	X	12.801	4.67
47	MP4B	Z	-22.172	4.67
48	MP4B	Mx	.026	4.67
49	MP4C	X	16.164	.33
50	MP4C	Z	-27.996	.33
51	MP4C	Mx	-.021	.33
52	MP4C	X	16.164	4.67
53	MP4C	Z	-27.996	4.67
54	MP4C	Mx	-.021	4.67
55	MP1A	X	8.297	1.33
56	MP1A	Z	-14.371	1.33
57	MP1A	Mx	-.004	1.33
58	MP1A	X	8.297	3.33
59	MP1A	Z	-14.371	3.33
60	MP1A	Mx	-.004	3.33
61	MP1B	X	4.126	1.33
62	MP1B	Z	-7.147	1.33
63	MP1B	Mx	.004	1.33
64	MP1B	X	4.126	3.33
65	MP1B	Z	-7.147	3.33
66	MP1B	Mx	.004	3.33
67	MP1C	X	7.39	1.33
68	MP1C	Z	-12.799	1.33
69	MP1C	Mx	-.005	1.33
70	MP1C	X	7.39	3.33
71	MP1C	Z	-12.799	3.33
72	MP1C	Mx	-.005	3.33
73	MP4A	X	7.543	2.5
74	MP4A	Z	-13.065	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
75	MP4A	Mx	.003	2.5
76	MP4B	X	5.679	2.5
77	MP4B	Z	-9.836	2.5
78	MP4B	Mx	-.004	2.5
79	MP4C	X	7.137	2.5
80	MP4C	Z	-12.362	2.5
81	MP4C	Mx	.003	2.5
82	MP3A	X	7.307	2.5
83	MP3A	Z	-12.656	2.5
84	MP3A	Mx	.002	2.5
85	MP3B	X	4.734	2.5
86	MP3B	Z	-8.2	2.5
87	MP3B	Mx	-.003	2.5
88	MP3C	X	6.747	2.5
89	MP3C	Z	-11.686	2.5
90	MP3C	Mx	.003	2.5
91	M100	X	9.617	1
92	M100	Z	-16.658	1
93	M100	Mx	0	1
94	M98	X	13.936	1
95	M98	Z	-24.137	1
96	M98	Mx	0	1
97	M108	X	3.782	6
98	M108	Z	-6.55	6
99	M108	Mx	-.00063	6
100	M108	X	3.782	6
101	M108	Z	-6.55	6
102	M108	Mx	.00063	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.818	.33
2	MP3A	Z	-12.597	.33
3	MP3A	Mx	-.023	.33
4	MP3A	X	21.818	4.67
5	MP3A	Z	-12.597	4.67
6	MP3A	Mx	-.023	4.67
7	MP3B	X	21.818	.33
8	MP3B	Z	-12.597	.33
9	MP3B	Mx	.01	.33
10	MP3B	X	21.818	4.67
11	MP3B	Z	-12.597	4.67
12	MP3B	Mx	.01	4.67
13	MP3C	X	28.171	.33
14	MP3C	Z	-16.265	.33
15	MP3C	Mx	.012	.33
16	MP3C	X	28.171	4.67
17	MP3C	Z	-16.265	4.67
18	MP3C	Mx	.012	4.67
19	MP3A	X	21.818	.33
20	MP3A	Z	-12.597	.33
21	MP3A	Mx	-.01	.33
22	MP3A	X	21.818	4.67
23	MP3A	Z	-12.597	4.67
24	MP3A	Mx	-.01	4.67
25	MP3B	X	21.818	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
26	MP3B	Z	-12.597	.33
27	MP3B	Mx	.023	.33
28	MP3B	X	21.818	4.67
29	MP3B	Z	-12.597	4.67
30	MP3B	Mx	.023	4.67
31	MP3C	X	28.171	.33
32	MP3C	Z	-16.265	.33
33	MP3C	Mx	-.02	.33
34	MP3C	X	28.171	4.67
35	MP3C	Z	-16.265	4.67
36	MP3C	Mx	-.02	4.67
37	MP4A	X	24.653	.33
38	MP4A	Z	-14.233	.33
39	MP4A	Mx	-.025	.33
40	MP4A	X	24.653	4.67
41	MP4A	Z	-14.233	4.67
42	MP4A	Mx	-.025	4.67
43	MP4B	X	24.653	.33
44	MP4B	Z	-14.233	.33
45	MP4B	Mx	.025	.33
46	MP4B	X	24.653	4.67
47	MP4B	Z	-14.233	4.67
48	MP4B	Mx	.025	4.67
49	MP4C	X	31.798	.33
50	MP4C	Z	-18.359	.33
51	MP4C	Mx	-.006	.33
52	MP4C	X	31.798	4.67
53	MP4C	Z	-18.359	4.67
54	MP4C	Mx	-.006	4.67
55	MP1A	X	9.555	1.33
56	MP1A	Z	-5.517	1.33
57	MP1A	Mx	-.005	1.33
58	MP1A	X	9.555	3.33
59	MP1A	Z	-5.517	3.33
60	MP1A	Mx	-.005	3.33
61	MP1B	X	9.555	1.33
62	MP1B	Z	-5.517	1.33
63	MP1B	Mx	.005	1.33
64	MP1B	X	9.555	3.33
65	MP1B	Z	-5.517	3.33
66	MP1B	Mx	.005	3.33
67	MP1C	X	16.489	1.33
68	MP1C	Z	-9.52	1.33
69	MP1C	Mx	-.002	1.33
70	MP1C	X	16.489	3.33
71	MP1C	Z	-9.52	3.33
72	MP1C	Mx	-.002	3.33
73	MP4A	X	10.912	2.5
74	MP4A	Z	-6.3	2.5
75	MP4A	Mx	.004	2.5
76	MP4B	X	10.912	2.5
77	MP4B	Z	-6.3	2.5
78	MP4B	Mx	-.004	2.5
79	MP4C	X	14.011	2.5
80	MP4C	Z	-8.089	2.5
81	MP4C	Mx	.000936	2.5
82	MP3A	X	9.685	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
83	MP3A	Z	-5.592	2.5
84	MP3A	Mx	.003	2.5
85	MP3B	X	9.685	2.5
86	MP3B	Z	-5.592	2.5
87	MP3B	Mx	-.003	2.5
88	MP3C	X	13.962	2.5
89	MP3C	Z	-8.061	2.5
90	MP3C	Mx	.000933	2.5
91	M100	X	19.151	1
92	M100	Z	-11.057	1
93	M100	Mx	0	1
94	M98	X	19.151	1
95	M98	Z	-11.057	1
96	M98	Mx	0	1
97	M108	X	4.132	6
98	M108	Z	-2.385	6
99	M108	Mx	-.000689	6
100	M108	X	4.132	6
101	M108	Z	-2.385	6
102	M108	Mx	.000689	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	22.645	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	-.017	.33
4	MP3A	X	22.645	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	-.017	4.67
7	MP3B	X	30.289	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	-.002	.33
10	MP3B	X	30.289	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	-.002	4.67
13	MP3C	X	31.644	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	.023	.33
16	MP3C	X	31.644	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	.023	4.67
19	MP3A	X	22.645	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	-.017	.33
22	MP3A	X	22.645	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	-.017	4.67
25	MP3B	X	30.289	.33
26	MP3B	Z	0	.33
27	MP3B	Mx	.024	.33
28	MP3B	X	30.289	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	.024	4.67
31	MP3C	X	31.644	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	-.007	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
34	MP3C	X	31.644	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	-.007	4.67
37	MP4A	X	25.602	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	-.026	.33
40	MP4A	X	25.602	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	-.026	4.67
43	MP4B	X	34.198	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	.017	.33
46	MP4B	X	34.198	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	.017	4.67
49	MP4C	X	35.722	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	.012	.33
52	MP4C	X	35.722	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	.012	4.67
55	MP1A	X	8.252	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	-.004	1.33
58	MP1A	X	8.252	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	-.004	3.33
61	MP1B	X	16.594	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	.004	1.33
64	MP1B	X	16.594	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.004	3.33
67	MP1C	X	18.074	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.003	1.33
70	MP1C	X	18.074	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	.003	3.33
73	MP4A	X	11.358	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	.004	2.5
76	MP4B	X	15.086	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	-.003	2.5
79	MP4C	X	15.747	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	-.002	2.5
82	MP3A	X	9.469	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.003	2.5
85	MP3B	X	14.614	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	-.002	2.5
88	MP3C	X	15.526	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	-.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
91	M100	X	27.871	1
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98	X	19.235	1
95	M98	Z	0	1
96	M98	Mx	0	1
97	M108	X	3.375	6
98	M108	Z	0	6
99	M108	Mx	-.000562	6
100	M108	X	3.375	6
101	M108	Z	0	6
102	M108	Mx	.000562	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	21.818	.33
2	MP3A	Z	12.597	.33
3	MP3A	Mx	-.01	.33
4	MP3A	X	21.818	4.67
5	MP3A	Z	12.597	4.67
6	MP3A	Mx	-.01	4.67
7	MP3B	X	28.437	.33
8	MP3B	Z	16.418	.33
9	MP3B	Mx	-.016	.33
10	MP3B	X	28.437	4.67
11	MP3B	Z	16.418	4.67
12	MP3B	Mx	-.016	4.67
13	MP3C	X	23.258	.33
14	MP3C	Z	13.428	.33
15	MP3C	Mx	.024	.33
16	MP3C	X	23.258	4.67
17	MP3C	Z	13.428	4.67
18	MP3C	Mx	.024	4.67
19	MP3A	X	21.818	.33
20	MP3A	Z	12.597	.33
21	MP3A	Mx	-.023	.33
22	MP3A	X	21.818	4.67
23	MP3A	Z	12.597	4.67
24	MP3A	Mx	-.023	4.67
25	MP3B	X	28.437	.33
26	MP3B	Z	16.418	.33
27	MP3B	Mx	.016	.33
28	MP3B	X	28.437	4.67
29	MP3B	Z	16.418	4.67
30	MP3B	Mx	.016	4.67
31	MP3C	X	23.258	.33
32	MP3C	Z	13.428	.33
33	MP3C	Mx	.007	.33
34	MP3C	X	23.258	4.67
35	MP3C	Z	13.428	4.67
36	MP3C	Mx	.007	4.67
37	MP4A	X	24.653	.33
38	MP4A	Z	14.233	.33
39	MP4A	Mx	-.025	.33
40	MP4A	X	24.653	4.67
41	MP4A	Z	14.233	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
42	MP4A	Mx	-.025	4.67
43	MP4B	X	32.097	.33
44	MP4B	Z	18.531	.33
45	MP4B	Mx	0	.33
46	MP4B	X	32.097	4.67
47	MP4B	Z	18.531	4.67
48	MP4B	Mx	0	4.67
49	MP4C	X	26.273	.33
50	MP4C	Z	15.169	.33
51	MP4C	Mx	.023	.33
52	MP4C	X	26.273	4.67
53	MP4C	Z	15.169	4.67
54	MP4C	Mx	.023	4.67
55	MP1A	X	9.555	1.33
56	MP1A	Z	5.517	1.33
57	MP1A	Mx	-.005	1.33
58	MP1A	X	9.555	3.33
59	MP1A	Z	5.517	3.33
60	MP1A	Mx	-.005	3.33
61	MP1B	X	16.779	1.33
62	MP1B	Z	9.688	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	16.779	3.33
65	MP1B	Z	9.688	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	11.127	1.33
68	MP1C	Z	6.424	1.33
69	MP1C	Mx	.005	1.33
70	MP1C	X	11.127	3.33
71	MP1C	Z	6.424	3.33
72	MP1C	Mx	.005	3.33
73	MP4A	X	10.912	2.5
74	MP4A	Z	6.3	2.5
75	MP4A	Mx	.004	2.5
76	MP4B	X	14.141	2.5
77	MP4B	Z	8.164	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	11.615	2.5
80	MP4C	Z	6.706	2.5
81	MP4C	Mx	-.003	2.5
82	MP3A	X	9.685	2.5
83	MP3A	Z	5.592	2.5
84	MP3A	Mx	.003	2.5
85	MP3B	X	14.141	2.5
86	MP3B	Z	8.164	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	10.655	2.5
89	MP3C	Z	6.152	2.5
90	MP3C	Mx	-.003	2.5
91	M100	X	26.63	1
92	M100	Z	15.375	1
93	M100	Mx	0	1
94	M98	X	19.151	1
95	M98	Z	11.057	1
96	M98	Mx	0	1
97	M108	X	4.132	6
98	M108	Z	2.385	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
99	M108	Mx	-.000689	6
100	M108	X	4.132	6
101	M108	Z	2.385	6
102	M108	Mx	.000689	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	15.144	.33
2	MP3A	Z	26.231	.33
3	MP3A	Mx	.002	.33
4	MP3A	X	15.144	4.67
5	MP3A	Z	26.231	4.67
6	MP3A	Mx	.002	4.67
7	MP3B	X	15.144	.33
8	MP3B	Z	26.231	.33
9	MP3B	Mx	-.024	.33
10	MP3B	X	15.144	4.67
11	MP3B	Z	26.231	4.67
12	MP3B	Mx	-.024	4.67
13	MP3C	X	11.476	.33
14	MP3C	Z	19.878	.33
15	MP3C	Mx	.019	.33
16	MP3C	X	11.476	4.67
17	MP3C	Z	19.878	4.67
18	MP3C	Mx	.019	4.67
19	MP3A	X	15.144	.33
20	MP3A	Z	26.231	.33
21	MP3A	Mx	-.024	.33
22	MP3A	X	15.144	4.67
23	MP3A	Z	26.231	4.67
24	MP3A	Mx	-.024	4.67
25	MP3B	X	15.144	.33
26	MP3B	Z	26.231	.33
27	MP3B	Mx	.002	.33
28	MP3B	X	15.144	4.67
29	MP3B	Z	26.231	4.67
30	MP3B	Mx	.002	4.67
31	MP3C	X	11.476	.33
32	MP3C	Z	19.878	.33
33	MP3C	Mx	.015	.33
34	MP3C	X	11.476	4.67
35	MP3C	Z	19.878	4.67
36	MP3C	Mx	.015	4.67
37	MP4A	X	17.099	.33
38	MP4A	Z	29.616	.33
39	MP4A	Mx	-.017	.33
40	MP4A	X	17.099	4.67
41	MP4A	Z	29.616	4.67
42	MP4A	Mx	-.017	4.67
43	MP4B	X	17.099	.33
44	MP4B	Z	29.616	.33
45	MP4B	Mx	-.017	.33
46	MP4B	X	17.099	4.67
47	MP4B	Z	29.616	4.67
48	MP4B	Mx	-.017	4.67
49	MP4C	X	12.974	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
50	MP4C	Z	22.471	.33
51	MP4C	Mx	.026	.33
52	MP4C	X	12.974	4.67
53	MP4C	Z	22.471	4.67
54	MP4C	Mx	.026	4.67
55	MP1A	X	8.297	1.33
56	MP1A	Z	14.371	1.33
57	MP1A	Mx	-.004	1.33
58	MP1A	X	8.297	3.33
59	MP1A	Z	14.371	3.33
60	MP1A	Mx	-.004	3.33
61	MP1B	X	8.297	1.33
62	MP1B	Z	14.371	1.33
63	MP1B	Mx	-.004	1.33
64	MP1B	X	8.297	3.33
65	MP1B	Z	14.371	3.33
66	MP1B	Mx	-.004	3.33
67	MP1C	X	4.294	1.33
68	MP1C	Z	7.437	1.33
69	MP1C	Mx	.004	1.33
70	MP1C	X	4.294	3.33
71	MP1C	Z	7.437	3.33
72	MP1C	Mx	.004	3.33
73	MP4A	X	7.543	2.5
74	MP4A	Z	13.065	2.5
75	MP4A	Mx	.003	2.5
76	MP4B	X	7.543	2.5
77	MP4B	Z	13.065	2.5
78	MP4B	Mx	.003	2.5
79	MP4C	X	5.754	2.5
80	MP4C	Z	9.966	2.5
81	MP4C	Mx	-.004	2.5
82	MP3A	X	7.307	2.5
83	MP3A	Z	12.656	2.5
84	MP3A	Mx	.002	2.5
85	MP3B	X	7.307	2.5
86	MP3B	Z	12.656	2.5
87	MP3B	Mx	.002	2.5
88	MP3C	X	4.838	2.5
89	MP3C	Z	8.379	2.5
90	MP3C	Mx	-.003	2.5
91	M100	X	13.936	1
92	M100	Z	24.137	1
93	M100	Mx	0	1
94	M98	X	13.936	1
95	M98	Z	24.137	1
96	M98	Mx	0	1
97	M108	X	3.782	6
98	M108	Z	6.55	6
99	M108	Mx	-.00063	6
100	M108	X	3.782	6
101	M108	Z	6.55	6
102	M108	Mx	.00063	6

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	32.836	.33
3	MP3A	Mx	.016	.33
4	MP3A	X	0	4.67
5	MP3A	Z	32.836	4.67
6	MP3A	Mx	.016	4.67
7	MP3B	X	0	.33
8	MP3B	Z	25.193	.33
9	MP3B	Mx	-.023	.33
10	MP3B	X	0	4.67
11	MP3B	Z	25.193	4.67
12	MP3B	Mx	-.023	4.67
13	MP3C	X	0	.33
14	MP3C	Z	23.837	.33
15	MP3C	Mx	.013	.33
16	MP3C	X	0	4.67
17	MP3C	Z	23.837	4.67
18	MP3C	Mx	.013	4.67
19	MP3A	X	0	.33
20	MP3A	Z	32.836	.33
21	MP3A	Mx	-.016	.33
22	MP3A	X	0	4.67
23	MP3A	Z	32.836	4.67
24	MP3A	Mx	-.016	4.67
25	MP3B	X	0	.33
26	MP3B	Z	25.193	.33
27	MP3B	Mx	-.01	.33
28	MP3B	X	0	4.67
29	MP3B	Z	25.193	4.67
30	MP3B	Mx	-.01	4.67
31	MP3C	X	0	.33
32	MP3C	Z	23.837	.33
33	MP3C	Mx	.021	.33
34	MP3C	X	0	4.67
35	MP3C	Z	23.837	4.67
36	MP3C	Mx	.021	4.67
37	MP4A	X	0	.33
38	MP4A	Z	37.063	.33
39	MP4A	Mx	0	.33
40	MP4A	X	0	4.67
41	MP4A	Z	37.063	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
44	MP4B	Z	28.467	.33
45	MP4B	Mx	-.025	.33
46	MP4B	X	0	4.67
47	MP4B	Z	28.467	4.67
48	MP4B	Mx	-.025	4.67
49	MP4C	X	0	.33
50	MP4C	Z	26.942	.33
51	MP4C	Mx	.025	.33
52	MP4C	X	0	4.67
53	MP4C	Z	26.942	4.67
54	MP4C	Mx	.025	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	19.375	1.33
57	MP1A	Mx	0	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	0	3.33
59	MP1A	Z	19.375	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	11.033	1.33
63	MP1B	Mx	-.005	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	11.033	3.33
66	MP1B	Mx	-.005	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	9.554	1.33
69	MP1C	Mx	.004	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	9.554	3.33
72	MP1C	Mx	.004	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	16.329	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	12.601	2.5
78	MP4B	Mx	.004	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	11.939	2.5
81	MP4C	Mx	-.004	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	16.329	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	11.184	2.5
87	MP3B	Mx	.003	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	10.271	2.5
90	MP3C	Mx	-.003	2.5
91	M100	X	0	1
92	M100	Z	22.114	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	30.75	1
96	M98	Mx	0	1
97	M108	X	0	6
98	M108	Z	8.96	6
99	M108	Mx	0	6
100	M108	X	0	6
101	M108	Z	8.96	6
102	M108	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-15.144	.33
2	MP3A	Z	26.231	.33
3	MP3A	Mx	.024	.33
4	MP3A	X	-15.144	4.67
5	MP3A	Z	26.231	4.67
6	MP3A	Mx	.024	4.67
7	MP3B	X	-11.323	.33
8	MP3B	Z	19.611	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	-.017	.33
10	MP3B	X	-11.323	4.67
11	MP3B	Z	19.611	4.67
12	MP3B	Mx	-.017	4.67
13	MP3C	X	-14.313	.33
14	MP3C	Z	24.791	.33
15	MP3C	Mx	.003	.33
16	MP3C	X	-14.313	4.67
17	MP3C	Z	24.791	4.67
18	MP3C	Mx	.003	4.67
19	MP3A	X	-15.144	.33
20	MP3A	Z	26.231	.33
21	MP3A	Mx	-.002	.33
22	MP3A	X	-15.144	4.67
23	MP3A	Z	26.231	4.67
24	MP3A	Mx	-.002	4.67
25	MP3B	X	-11.323	.33
26	MP3B	Z	19.611	.33
27	MP3B	Mx	-.017	.33
28	MP3B	X	-11.323	4.67
29	MP3B	Z	19.611	4.67
30	MP3B	Mx	-.017	4.67
31	MP3C	X	-14.313	.33
32	MP3C	Z	24.791	.33
33	MP3C	Mx	.025	.33
34	MP3C	X	-14.313	4.67
35	MP3C	Z	24.791	4.67
36	MP3C	Mx	.025	4.67
37	MP4A	X	-17.099	.33
38	MP4A	Z	29.616	.33
39	MP4A	Mx	.017	.33
40	MP4A	X	-17.099	4.67
41	MP4A	Z	29.616	4.67
42	MP4A	Mx	.017	4.67
43	MP4B	X	-12.801	.33
44	MP4B	Z	22.172	.33
45	MP4B	Mx	-.026	.33
46	MP4B	X	-12.801	4.67
47	MP4B	Z	22.172	4.67
48	MP4B	Mx	-.026	4.67
49	MP4C	X	-16.164	.33
50	MP4C	Z	27.996	.33
51	MP4C	Mx	.021	.33
52	MP4C	X	-16.164	4.67
53	MP4C	Z	27.996	4.67
54	MP4C	Mx	.021	4.67
55	MP1A	X	-8.297	1.33
56	MP1A	Z	14.371	1.33
57	MP1A	Mx	.004	1.33
58	MP1A	X	-8.297	3.33
59	MP1A	Z	14.371	3.33
60	MP1A	Mx	.004	3.33
61	MP1B	X	-4.126	1.33
62	MP1B	Z	7.147	1.33
63	MP1B	Mx	-.004	1.33
64	MP1B	X	-4.126	3.33
65	MP1B	Z	7.147	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1B	Mx	-.004	3.33
67	MP1C	X	-7.39	1.33
68	MP1C	Z	12.799	1.33
69	MP1C	Mx	.005	1.33
70	MP1C	X	-7.39	3.33
71	MP1C	Z	12.799	3.33
72	MP1C	Mx	.005	3.33
73	MP4A	X	-7.543	2.5
74	MP4A	Z	13.065	2.5
75	MP4A	Mx	-.003	2.5
76	MP4B	X	-5.679	2.5
77	MP4B	Z	9.836	2.5
78	MP4B	Mx	.004	2.5
79	MP4C	X	-7.137	2.5
80	MP4C	Z	12.362	2.5
81	MP4C	Mx	-.003	2.5
82	MP3A	X	-7.307	2.5
83	MP3A	Z	12.656	2.5
84	MP3A	Mx	-.002	2.5
85	MP3B	X	-4.734	2.5
86	MP3B	Z	8.2	2.5
87	MP3B	Mx	.003	2.5
88	MP3C	X	-6.747	2.5
89	MP3C	Z	11.686	2.5
90	MP3C	Mx	-.003	2.5
91	M100	X	-9.617	1
92	M100	Z	16.658	1
93	M100	Mx	0	1
94	M98	X	-13.936	1
95	M98	Z	24.137	1
96	M98	Mx	0	1
97	M108	X	-3.782	6
98	M108	Z	6.55	6
99	M108	Mx	.00063	6
100	M108	X	-3.782	6
101	M108	Z	6.55	6
102	M108	Mx	-.00063	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.818	.33
2	MP3A	Z	12.597	.33
3	MP3A	Mx	.023	.33
4	MP3A	X	-21.818	4.67
5	MP3A	Z	12.597	4.67
6	MP3A	Mx	.023	4.67
7	MP3B	X	-21.818	.33
8	MP3B	Z	12.597	.33
9	MP3B	Mx	-.01	.33
10	MP3B	X	-21.818	4.67
11	MP3B	Z	12.597	4.67
12	MP3B	Mx	-.01	4.67
13	MP3C	X	-28.171	.33
14	MP3C	Z	16.265	.33
15	MP3C	Mx	-.012	.33
16	MP3C	X	-28.171	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	16.265	4.67
18	MP3C	Mx	-.012	4.67
19	MP3A	X	-21.818	.33
20	MP3A	Z	12.597	.33
21	MP3A	Mx	.01	.33
22	MP3A	X	-21.818	4.67
23	MP3A	Z	12.597	4.67
24	MP3A	Mx	.01	4.67
25	MP3B	X	-21.818	.33
26	MP3B	Z	12.597	.33
27	MP3B	Mx	-.023	.33
28	MP3B	X	-21.818	4.67
29	MP3B	Z	12.597	4.67
30	MP3B	Mx	-.023	4.67
31	MP3C	X	-28.171	.33
32	MP3C	Z	16.265	.33
33	MP3C	Mx	.02	.33
34	MP3C	X	-28.171	4.67
35	MP3C	Z	16.265	4.67
36	MP3C	Mx	.02	4.67
37	MP4A	X	-24.653	.33
38	MP4A	Z	14.233	.33
39	MP4A	Mx	.025	.33
40	MP4A	X	-24.653	4.67
41	MP4A	Z	14.233	4.67
42	MP4A	Mx	.025	4.67
43	MP4B	X	-24.653	.33
44	MP4B	Z	14.233	.33
45	MP4B	Mx	-.025	.33
46	MP4B	X	-24.653	4.67
47	MP4B	Z	14.233	4.67
48	MP4B	Mx	-.025	4.67
49	MP4C	X	-31.798	.33
50	MP4C	Z	18.359	.33
51	MP4C	Mx	.006	.33
52	MP4C	X	-31.798	4.67
53	MP4C	Z	18.359	4.67
54	MP4C	Mx	.006	4.67
55	MP1A	X	-9.555	1.33
56	MP1A	Z	5.517	1.33
57	MP1A	Mx	.005	1.33
58	MP1A	X	-9.555	3.33
59	MP1A	Z	5.517	3.33
60	MP1A	Mx	.005	3.33
61	MP1B	X	-9.555	1.33
62	MP1B	Z	5.517	1.33
63	MP1B	Mx	-.005	1.33
64	MP1B	X	-9.555	3.33
65	MP1B	Z	5.517	3.33
66	MP1B	Mx	-.005	3.33
67	MP1C	X	-16.489	1.33
68	MP1C	Z	9.52	1.33
69	MP1C	Mx	.002	1.33
70	MP1C	X	-16.489	3.33
71	MP1C	Z	9.52	3.33
72	MP1C	Mx	.002	3.33
73	MP4A	X	-10.912	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4A	Z	6.3	2.5
75	MP4A	Mx	-.004	2.5
76	MP4B	X	-10.912	2.5
77	MP4B	Z	6.3	2.5
78	MP4B	Mx	.004	2.5
79	MP4C	X	-14.011	2.5
80	MP4C	Z	8.089	2.5
81	MP4C	Mx	-.000936	2.5
82	MP3A	X	-9.685	2.5
83	MP3A	Z	5.592	2.5
84	MP3A	Mx	-.003	2.5
85	MP3B	X	-9.685	2.5
86	MP3B	Z	5.592	2.5
87	MP3B	Mx	.003	2.5
88	MP3C	X	-13.962	2.5
89	MP3C	Z	8.061	2.5
90	MP3C	Mx	-.000933	2.5
91	M100	X	-19.151	1
92	M100	Z	11.057	1
93	M100	Mx	0	1
94	M98	X	-19.151	1
95	M98	Z	11.057	1
96	M98	Mx	0	1
97	M108	X	-4.132	6
98	M108	Z	2.385	6
99	M108	Mx	.000689	6
100	M108	X	-4.132	6
101	M108	Z	2.385	6
102	M108	Mx	-.000689	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-22.645	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	.017	.33
4	MP3A	X	-22.645	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	.017	4.67
7	MP3B	X	-30.289	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	.002	.33
10	MP3B	X	-30.289	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	.002	4.67
13	MP3C	X	-31.644	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	-.023	.33
16	MP3C	X	-31.644	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	-.023	4.67
19	MP3A	X	-22.645	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	.017	.33
22	MP3A	X	-22.645	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	.017	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-30.289	.33
26	MP3B	Z	0	.33
27	MP3B	Mx	-.024	.33
28	MP3B	X	-30.289	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	-.024	4.67
31	MP3C	X	-31.644	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	.007	.33
34	MP3C	X	-31.644	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	.007	4.67
37	MP4A	X	-25.602	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	.026	.33
40	MP4A	X	-25.602	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	.026	4.67
43	MP4B	X	-34.198	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	-.017	.33
46	MP4B	X	-34.198	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	-.017	4.67
49	MP4C	X	-35.722	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	-.012	.33
52	MP4C	X	-35.722	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	-.012	4.67
55	MP1A	X	-8.252	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	.004	1.33
58	MP1A	X	-8.252	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	.004	3.33
61	MP1B	X	-16.594	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	-.004	1.33
64	MP1B	X	-16.594	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	-.004	3.33
67	MP1C	X	-18.074	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	-.003	1.33
70	MP1C	X	-18.074	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	-.003	3.33
73	MP4A	X	-11.358	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	-.004	2.5
76	MP4B	X	-15.086	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	.003	2.5
79	MP4C	X	-15.747	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	.002	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3A	X	-9.469	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.003	2.5
85	MP3B	X	-14.614	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.002	2.5
88	MP3C	X	-15.526	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.002	2.5
91	M100	X	-27.871	1
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98	X	-19.235	1
95	M98	Z	0	1
96	M98	Mx	0	1
97	M108	X	-3.375	6
98	M108	Z	0	6
99	M108	Mx	.000562	6
100	M108	X	-3.375	6
101	M108	Z	0	6
102	M108	Mx	-.000562	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-21.818	.33
2	MP3A	Z	-12.597	.33
3	MP3A	Mx	.01	.33
4	MP3A	X	-21.818	4.67
5	MP3A	Z	-12.597	4.67
6	MP3A	Mx	.01	4.67
7	MP3B	X	-28.437	.33
8	MP3B	Z	-16.418	.33
9	MP3B	Mx	.016	.33
10	MP3B	X	-28.437	4.67
11	MP3B	Z	-16.418	4.67
12	MP3B	Mx	.016	4.67
13	MP3C	X	-23.258	.33
14	MP3C	Z	-13.428	.33
15	MP3C	Mx	-.024	.33
16	MP3C	X	-23.258	4.67
17	MP3C	Z	-13.428	4.67
18	MP3C	Mx	-.024	4.67
19	MP3A	X	-21.818	.33
20	MP3A	Z	-12.597	.33
21	MP3A	Mx	.023	.33
22	MP3A	X	-21.818	4.67
23	MP3A	Z	-12.597	4.67
24	MP3A	Mx	.023	4.67
25	MP3B	X	-28.437	.33
26	MP3B	Z	-16.418	.33
27	MP3B	Mx	-.016	.33
28	MP3B	X	-28.437	4.67
29	MP3B	Z	-16.418	4.67
30	MP3B	Mx	-.016	4.67
31	MP3C	X	-23.258	.33
32	MP3C	Z	-13.428	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	-.007	.33
34	MP3C	X	-23.258	4.67
35	MP3C	Z	-13.428	4.67
36	MP3C	Mx	-.007	4.67
37	MP4A	X	-24.653	.33
38	MP4A	Z	-14.233	.33
39	MP4A	Mx	.025	.33
40	MP4A	X	-24.653	4.67
41	MP4A	Z	-14.233	4.67
42	MP4A	Mx	.025	4.67
43	MP4B	X	-32.097	.33
44	MP4B	Z	-18.531	.33
45	MP4B	Mx	0	.33
46	MP4B	X	-32.097	4.67
47	MP4B	Z	-18.531	4.67
48	MP4B	Mx	0	4.67
49	MP4C	X	-26.273	.33
50	MP4C	Z	-15.169	.33
51	MP4C	Mx	-.023	.33
52	MP4C	X	-26.273	4.67
53	MP4C	Z	-15.169	4.67
54	MP4C	Mx	-.023	4.67
55	MP1A	X	-9.555	1.33
56	MP1A	Z	-5.517	1.33
57	MP1A	Mx	.005	1.33
58	MP1A	X	-9.555	3.33
59	MP1A	Z	-5.517	3.33
60	MP1A	Mx	.005	3.33
61	MP1B	X	-16.779	1.33
62	MP1B	Z	-9.688	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	-16.779	3.33
65	MP1B	Z	-9.688	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	-11.127	1.33
68	MP1C	Z	-6.424	1.33
69	MP1C	Mx	-.005	1.33
70	MP1C	X	-11.127	3.33
71	MP1C	Z	-6.424	3.33
72	MP1C	Mx	-.005	3.33
73	MP4A	X	-10.912	2.5
74	MP4A	Z	-6.3	2.5
75	MP4A	Mx	-.004	2.5
76	MP4B	X	-14.141	2.5
77	MP4B	Z	-8.164	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	-11.615	2.5
80	MP4C	Z	-6.706	2.5
81	MP4C	Mx	.003	2.5
82	MP3A	X	-9.685	2.5
83	MP3A	Z	-5.592	2.5
84	MP3A	Mx	-.003	2.5
85	MP3B	X	-14.141	2.5
86	MP3B	Z	-8.164	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	-10.655	2.5
89	MP3C	Z	-6.152	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3C	Mx	.003	2.5
91	M100	X	-26.63	1
92	M100	Z	-15.375	1
93	M100	Mx	0	1
94	M98	X	-19.151	1
95	M98	Z	-11.057	1
96	M98	Mx	0	1
97	M108	X	-4.132	6
98	M108	Z	-2.385	6
99	M108	Mx	.000689	6
100	M108	X	-4.132	6
101	M108	Z	-2.385	6
102	M108	Mx	-.000689	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-15.144	.33
2	MP3A	Z	-26.231	.33
3	MP3A	Mx	-.002	.33
4	MP3A	X	-15.144	4.67
5	MP3A	Z	-26.231	4.67
6	MP3A	Mx	-.002	4.67
7	MP3B	X	-15.144	.33
8	MP3B	Z	-26.231	.33
9	MP3B	Mx	.024	.33
10	MP3B	X	-15.144	4.67
11	MP3B	Z	-26.231	4.67
12	MP3B	Mx	.024	4.67
13	MP3C	X	-11.476	.33
14	MP3C	Z	-19.878	.33
15	MP3C	Mx	-.019	.33
16	MP3C	X	-11.476	4.67
17	MP3C	Z	-19.878	4.67
18	MP3C	Mx	-.019	4.67
19	MP3A	X	-15.144	.33
20	MP3A	Z	-26.231	.33
21	MP3A	Mx	.024	.33
22	MP3A	X	-15.144	4.67
23	MP3A	Z	-26.231	4.67
24	MP3A	Mx	.024	4.67
25	MP3B	X	-15.144	.33
26	MP3B	Z	-26.231	.33
27	MP3B	Mx	-.002	.33
28	MP3B	X	-15.144	4.67
29	MP3B	Z	-26.231	4.67
30	MP3B	Mx	-.002	4.67
31	MP3C	X	-11.476	.33
32	MP3C	Z	-19.878	.33
33	MP3C	Mx	-.015	.33
34	MP3C	X	-11.476	4.67
35	MP3C	Z	-19.878	4.67
36	MP3C	Mx	-.015	4.67
37	MP4A	X	-17.099	.33
38	MP4A	Z	-29.616	.33
39	MP4A	Mx	.017	.33
40	MP4A	X	-17.099	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	-29.616	4.67
42	MP4A	Mx	.017	4.67
43	MP4B	X	-17.099	.33
44	MP4B	Z	-29.616	.33
45	MP4B	Mx	.017	.33
46	MP4B	X	-17.099	4.67
47	MP4B	Z	-29.616	4.67
48	MP4B	Mx	.017	4.67
49	MP4C	X	-12.974	.33
50	MP4C	Z	-22.471	.33
51	MP4C	Mx	-.026	.33
52	MP4C	X	-12.974	4.67
53	MP4C	Z	-22.471	4.67
54	MP4C	Mx	-.026	4.67
55	MP1A	X	-8.297	1.33
56	MP1A	Z	-14.371	1.33
57	MP1A	Mx	.004	1.33
58	MP1A	X	-8.297	3.33
59	MP1A	Z	-14.371	3.33
60	MP1A	Mx	.004	3.33
61	MP1B	X	-8.297	1.33
62	MP1B	Z	-14.371	1.33
63	MP1B	Mx	.004	1.33
64	MP1B	X	-8.297	3.33
65	MP1B	Z	-14.371	3.33
66	MP1B	Mx	.004	3.33
67	MP1C	X	-4.294	1.33
68	MP1C	Z	-7.437	1.33
69	MP1C	Mx	-.004	1.33
70	MP1C	X	-4.294	3.33
71	MP1C	Z	-7.437	3.33
72	MP1C	Mx	-.004	3.33
73	MP4A	X	-7.543	2.5
74	MP4A	Z	-13.065	2.5
75	MP4A	Mx	-.003	2.5
76	MP4B	X	-7.543	2.5
77	MP4B	Z	-13.065	2.5
78	MP4B	Mx	-.003	2.5
79	MP4C	X	-5.754	2.5
80	MP4C	Z	-9.966	2.5
81	MP4C	Mx	.004	2.5
82	MP3A	X	-7.307	2.5
83	MP3A	Z	-12.656	2.5
84	MP3A	Mx	-.002	2.5
85	MP3B	X	-7.307	2.5
86	MP3B	Z	-12.656	2.5
87	MP3B	Mx	-.002	2.5
88	MP3C	X	-4.838	2.5
89	MP3C	Z	-8.379	2.5
90	MP3C	Mx	.003	2.5
91	M100	X	-13.936	1
92	M100	Z	-24.137	1
93	M100	Mx	0	1
94	M98	X	-13.936	1
95	M98	Z	-24.137	1
96	M98	Mx	0	1
97	M108	X	-3.782	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	M108	Z	-6.55	6
99	M108	Mx	.00063	6
100	M108	X	-3.782	6
101	M108	Z	-6.55	6
102	M108	Mx	-.00063	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	-7.239	.33
3	MP3A	Mx	-.004	.33
4	MP3A	X	0	4.67
5	MP3A	Z	-7.239	4.67
6	MP3A	Mx	-.004	4.67
7	MP3B	X	0	.33
8	MP3B	Z	-4.145	.33
9	MP3B	Mx	.004	.33
10	MP3B	X	0	4.67
11	MP3B	Z	-4.145	4.67
12	MP3B	Mx	.004	4.67
13	MP3C	X	0	.33
14	MP3C	Z	-3.596	.33
15	MP3C	Mx	-.002	.33
16	MP3C	X	0	4.67
17	MP3C	Z	-3.596	4.67
18	MP3C	Mx	-.002	4.67
19	MP3A	X	0	.33
20	MP3A	Z	-7.239	.33
21	MP3A	Mx	.004	.33
22	MP3A	X	0	4.67
23	MP3A	Z	-7.239	4.67
24	MP3A	Mx	.004	4.67
25	MP3B	X	0	.33
26	MP3B	Z	-4.145	.33
27	MP3B	Mx	.002	.33
28	MP3B	X	0	4.67
29	MP3B	Z	-4.145	4.67
30	MP3B	Mx	.002	4.67
31	MP3C	X	0	.33
32	MP3C	Z	-3.596	.33
33	MP3C	Mx	-.003	.33
34	MP3C	X	0	4.67
35	MP3C	Z	-3.596	4.67
36	MP3C	Mx	-.003	4.67
37	MP4A	X	0	.33
38	MP4A	Z	-12.126	.33
39	MP4A	Mx	0	.33
40	MP4A	X	0	4.67
41	MP4A	Z	-12.126	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
44	MP4B	Z	-9.082	.33
45	MP4B	Mx	.008	.33
46	MP4B	X	0	4.67
47	MP4B	Z	-9.082	4.67
48	MP4B	Mx	.008	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4C	X	0	.33
50	MP4C	Z	-8.542	.33
51	MP4C	Mx	-.008	.33
52	MP4C	X	0	4.67
53	MP4C	Z	-8.542	4.67
54	MP4C	Mx	-.008	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	-5.15	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	-5.15	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	-2.618	1.33
63	MP1B	Mx	.001	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	-2.618	3.33
66	MP1B	Mx	.001	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	-2.169	1.33
69	MP1C	Mx	-.001	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	-2.169	3.33
72	MP1C	Mx	-.001	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	-4.073	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	-3.068	2.5
78	MP4B	Mx	-.000886	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	-2.889	2.5
81	MP4C	Mx	.000905	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	-4.073	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	-2.693	2.5
87	MP3B	Mx	-.000777	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	-2.449	2.5
90	MP3C	Mx	.000767	2.5
91	M100	X	0	1
92	M100	Z	-6.784	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	-9.748	1
96	M98	Mx	0	1
97	M108	X	0	6
98	M108	Z	-2.519	6
99	M108	Mx	0	6
100	M108	X	0	6
101	M108	Z	-2.519	6
102	M108	Mx	0	6

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.104	.33
2	MP3A	Z	-5.376	.33
3	MP3A	Mx	-.005	.33
4	MP3A	X	3.104	4.67
5	MP3A	Z	-5.376	4.67
6	MP3A	Mx	-.005	4.67
7	MP3B	X	1.557	.33
8	MP3B	Z	-2.697	.33
9	MP3B	Mx	.002	.33
10	MP3B	X	1.557	4.67
11	MP3B	Z	-2.697	4.67
12	MP3B	Mx	.002	4.67
13	MP3C	X	2.767	.33
14	MP3C	Z	-4.793	.33
15	MP3C	Mx	-.000548	.33
16	MP3C	X	2.767	4.67
17	MP3C	Z	-4.793	4.67
18	MP3C	Mx	-.000548	4.67
19	MP3A	X	3.104	.33
20	MP3A	Z	-5.376	.33
21	MP3A	Mx	.00036	.33
22	MP3A	X	3.104	4.67
23	MP3A	Z	-5.376	4.67
24	MP3A	Mx	.00036	4.67
25	MP3B	X	1.557	.33
26	MP3B	Z	-2.697	.33
27	MP3B	Mx	.002	.33
28	MP3B	X	1.557	4.67
29	MP3B	Z	-2.697	4.67
30	MP3B	Mx	.002	4.67
31	MP3C	X	2.767	.33
32	MP3C	Z	-4.793	.33
33	MP3C	Mx	-.005	.33
34	MP3C	X	2.767	4.67
35	MP3C	Z	-4.793	4.67
36	MP3C	Mx	-.005	4.67
37	MP4A	X	5.556	.33
38	MP4A	Z	-9.623	.33
39	MP4A	Mx	-.006	.33
40	MP4A	X	5.556	4.67
41	MP4A	Z	-9.623	4.67
42	MP4A	Mx	-.006	4.67
43	MP4B	X	4.034	.33
44	MP4B	Z	-6.986	.33
45	MP4B	Mx	.008	.33
46	MP4B	X	4.034	4.67
47	MP4B	Z	-6.986	4.67
48	MP4B	Mx	.008	4.67
49	MP4C	X	5.225	.33
50	MP4C	Z	-9.049	.33
51	MP4C	Mx	-.007	.33
52	MP4C	X	5.225	4.67
53	MP4C	Z	-9.049	4.67
54	MP4C	Mx	-.007	4.67
55	MP1A	X	2.153	1.33
56	MP1A	Z	-3.729	1.33
57	MP1A	Mx	-.001	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	2.153	3.33
59	MP1A	Z	-3.729	3.33
60	MP1A	Mx	-.001	3.33
61	MP1B	X	.887	1.33
62	MP1B	Z	-1.536	1.33
63	MP1B	Mx	.000887	1.33
64	MP1B	X	.887	3.33
65	MP1B	Z	-1.536	3.33
66	MP1B	Mx	.000887	3.33
67	MP1C	X	1.878	1.33
68	MP1C	Z	-3.252	1.33
69	MP1C	Mx	-.001	1.33
70	MP1C	X	1.878	3.33
71	MP1C	Z	-3.252	3.33
72	MP1C	Mx	-.001	3.33
73	MP4A	X	1.869	2.5
74	MP4A	Z	-3.237	2.5
75	MP4A	Mx	.000623	2.5
76	MP4B	X	1.366	2.5
77	MP4B	Z	-2.367	2.5
78	MP4B	Mx	-.000911	2.5
79	MP4C	X	1.76	2.5
80	MP4C	Z	-3.048	2.5
81	MP4C	Mx	.000754	2.5
82	MP3A	X	1.806	2.5
83	MP3A	Z	-3.129	2.5
84	MP3A	Mx	.000602	2.5
85	MP3B	X	1.117	2.5
86	MP3B	Z	-1.934	2.5
87	MP3B	Mx	-.000744	2.5
88	MP3C	X	1.656	2.5
89	MP3C	Z	-2.869	2.5
90	MP3C	Mx	.00071	2.5
91	M100	X	2.898	1
92	M100	Z	-5.02	1
93	M100	Mx	0	1
94	M98	X	4.38	1
95	M98	Z	-7.587	1
96	M98	Mx	0	1
97	M108	X	1.04	6
98	M108	Z	-1.801	6
99	M108	Mx	-.000173	6
100	M108	X	1.04	6
101	M108	Z	-1.801	6
102	M108	Mx	.000173	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.59	.33
2	MP3A	Z	-2.073	.33
3	MP3A	Mx	-.004	.33
4	MP3A	X	3.59	4.67
5	MP3A	Z	-2.073	4.67
6	MP3A	Mx	-.004	4.67
7	MP3B	X	3.59	.33
8	MP3B	Z	-2.073	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.002	.33
10	MP3B	X	3.59	4.67
11	MP3B	Z	-2.073	4.67
12	MP3B	Mx	.002	4.67
13	MP3C	X	6.162	.33
14	MP3C	Z	-3.557	.33
15	MP3C	Mx	.003	.33
16	MP3C	X	6.162	4.67
17	MP3C	Z	-3.557	4.67
18	MP3C	Mx	.003	4.67
19	MP3A	X	3.59	.33
20	MP3A	Z	-2.073	.33
21	MP3A	Mx	-.002	.33
22	MP3A	X	3.59	4.67
23	MP3A	Z	-2.073	4.67
24	MP3A	Mx	-.002	4.67
25	MP3B	X	3.59	.33
26	MP3B	Z	-2.073	.33
27	MP3B	Mx	.004	.33
28	MP3B	X	3.59	4.67
29	MP3B	Z	-2.073	4.67
30	MP3B	Mx	.004	4.67
31	MP3C	X	6.162	.33
32	MP3C	Z	-3.557	.33
33	MP3C	Mx	-.004	.33
34	MP3C	X	6.162	4.67
35	MP3C	Z	-3.557	4.67
36	MP3C	Mx	-.004	4.67
37	MP4A	X	7.865	.33
38	MP4A	Z	-4.541	.33
39	MP4A	Mx	-.008	.33
40	MP4A	X	7.865	4.67
41	MP4A	Z	-4.541	4.67
42	MP4A	Mx	-.008	4.67
43	MP4B	X	7.865	.33
44	MP4B	Z	-4.541	.33
45	MP4B	Mx	.008	.33
46	MP4B	X	7.865	4.67
47	MP4B	Z	-4.541	4.67
48	MP4B	Mx	.008	4.67
49	MP4C	X	10.396	.33
50	MP4C	Z	-6.002	.33
51	MP4C	Mx	-.002	.33
52	MP4C	X	10.396	4.67
53	MP4C	Z	-6.002	4.67
54	MP4C	Mx	-.002	4.67
55	MP1A	X	2.267	1.33
56	MP1A	Z	-1.309	1.33
57	MP1A	Mx	-.001	1.33
58	MP1A	X	2.267	3.33
59	MP1A	Z	-1.309	3.33
60	MP1A	Mx	-.001	3.33
61	MP1B	X	2.267	1.33
62	MP1B	Z	-1.309	1.33
63	MP1B	Mx	.001	1.33
64	MP1B	X	2.267	3.33
65	MP1B	Z	-1.309	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1B	Mx	.001	3.33
67	MP1C	X	4.372	1.33
68	MP1C	Z	-2.524	1.33
69	MP1C	Mx	-.000438	1.33
70	MP1C	X	4.372	3.33
71	MP1C	Z	-2.524	3.33
72	MP1C	Mx	-.000438	3.33
73	MP4A	X	2.657	2.5
74	MP4A	Z	-1.534	2.5
75	MP4A	Mx	.000886	2.5
76	MP4B	X	2.657	2.5
77	MP4B	Z	-1.534	2.5
78	MP4B	Mx	-.000886	2.5
79	MP4C	X	3.492	2.5
80	MP4C	Z	-2.016	2.5
81	MP4C	Mx	.000233	2.5
82	MP3A	X	2.332	2.5
83	MP3A	Z	-1.347	2.5
84	MP3A	Mx	.000777	2.5
85	MP3B	X	2.332	2.5
86	MP3B	Z	-1.347	2.5
87	MP3B	Mx	-.000778	2.5
88	MP3C	X	3.479	2.5
89	MP3C	Z	-2.009	2.5
90	MP3C	Mx	.000233	2.5
91	M100	X	5.875	1
92	M100	Z	-3.392	1
93	M100	Mx	0	1
94	M98	X	5.875	1
95	M98	Z	-3.392	1
96	M98	Mx	0	1
97	M108	X	1.041	6
98	M108	Z	-.601	6
99	M108	Mx	-.000174	6
100	M108	X	1.041	6
101	M108	Z	-.601	6
102	M108	Mx	.000174	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.114	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	-.002	.33
4	MP3A	X	3.114	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	-.002	4.67
7	MP3B	X	6.208	.33
8	MP3B	Z	0	.33
9	MP3B	Mx	-.00036	.33
10	MP3B	X	6.208	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	-.00036	4.67
13	MP3C	X	6.757	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	.005	.33
16	MP3C	X	6.757	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	0	4.67
18	MP3C	Mx	.005	4.67
19	MP3A	X	3.114	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	-.002	.33
22	MP3A	X	3.114	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	-.002	4.67
25	MP3B	X	6.208	.33
26	MP3B	Z	0	.33
27	MP3B	Mx	.005	.33
28	MP3B	X	6.208	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	.005	4.67
31	MP3C	X	6.757	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	-.001	.33
34	MP3C	X	6.757	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	-.001	4.67
37	MP4A	X	8.067	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	-.008	.33
40	MP4A	X	8.067	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	-.008	4.67
43	MP4B	X	11.112	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	.006	.33
46	MP4B	X	11.112	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	.006	4.67
49	MP4C	X	11.652	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	.004	.33
52	MP4C	X	11.652	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	.004	4.67
55	MP1A	X	1.774	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	-.000887	1.33
58	MP1A	X	1.774	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	-.000887	3.33
61	MP1B	X	4.306	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	.001	1.33
64	MP1B	X	4.306	3.33
65	MP1B	Z	0	3.33
66	MP1B	Mx	.001	3.33
67	MP1C	X	4.755	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	.000813	1.33
70	MP1C	X	4.755	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	.000813	3.33
73	MP4A	X	2.733	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4A	Z	0	2.5
75	MP4A	Mx	.000911	2.5
76	MP4B	X	3.738	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	-.000623	2.5
79	MP4C	X	3.916	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	-.000446	2.5
82	MP3A	X	2.233	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	.000744	2.5
85	MP3B	X	3.613	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	-.000602	2.5
88	MP3C	X	3.858	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	-.00044	2.5
91	M100	X	8.76	1
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98	X	5.796	1
95	M98	Z	0	1
96	M98	Mx	0	1
97	M108	X	.764	6
98	M108	Z	0	6
99	M108	Mx	-.000127	6
100	M108	X	.764	6
101	M108	Z	0	6
102	M108	Mx	.000127	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.59	.33
2	MP3A	Z	2.073	.33
3	MP3A	Mx	-.002	.33
4	MP3A	X	3.59	4.67
5	MP3A	Z	2.073	4.67
6	MP3A	Mx	-.002	4.67
7	MP3B	X	6.269	.33
8	MP3B	Z	3.62	.33
9	MP3B	Mx	-.004	.33
10	MP3B	X	6.269	4.67
11	MP3B	Z	3.62	4.67
12	MP3B	Mx	-.004	4.67
13	MP3C	X	4.173	.33
14	MP3C	Z	2.409	.33
15	MP3C	Mx	.004	.33
16	MP3C	X	4.173	4.67
17	MP3C	Z	2.409	4.67
18	MP3C	Mx	.004	4.67
19	MP3A	X	3.59	.33
20	MP3A	Z	2.073	.33
21	MP3A	Mx	-.004	.33
22	MP3A	X	3.59	4.67
23	MP3A	Z	2.073	4.67
24	MP3A	Mx	-.004	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	6.269	.33
26	MP3B	Z	3.62	.33
27	MP3B	Mx	.004	.33
28	MP3B	X	6.269	4.67
29	MP3B	Z	3.62	4.67
30	MP3B	Mx	.004	4.67
31	MP3C	X	4.173	.33
32	MP3C	Z	2.409	.33
33	MP3C	Mx	.001	.33
34	MP3C	X	4.173	4.67
35	MP3C	Z	2.409	4.67
36	MP3C	Mx	.001	4.67
37	MP4A	X	7.865	.33
38	MP4A	Z	4.541	.33
39	MP4A	Mx	-.008	.33
40	MP4A	X	7.865	4.67
41	MP4A	Z	4.541	4.67
42	MP4A	Mx	-.008	4.67
43	MP4B	X	10.502	.33
44	MP4B	Z	6.063	.33
45	MP4B	Mx	0	.33
46	MP4B	X	10.502	4.67
47	MP4B	Z	6.063	4.67
48	MP4B	Mx	0	4.67
49	MP4C	X	8.439	.33
50	MP4C	Z	4.872	.33
51	MP4C	Mx	.007	.33
52	MP4C	X	8.439	4.67
53	MP4C	Z	4.872	4.67
54	MP4C	Mx	.007	4.67
55	MP1A	X	2.267	1.33
56	MP1A	Z	1.309	1.33
57	MP1A	Mx	-.001	1.33
58	MP1A	X	2.267	3.33
59	MP1A	Z	1.309	3.33
60	MP1A	Mx	-.001	3.33
61	MP1B	X	4.46	1.33
62	MP1B	Z	2.575	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	4.46	3.33
65	MP1B	Z	2.575	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	2.744	1.33
68	MP1C	Z	1.584	1.33
69	MP1C	Mx	.001	1.33
70	MP1C	X	2.744	3.33
71	MP1C	Z	1.584	3.33
72	MP1C	Mx	.001	3.33
73	MP4A	X	2.657	2.5
74	MP4A	Z	1.534	2.5
75	MP4A	Mx	.000886	2.5
76	MP4B	X	3.527	2.5
77	MP4B	Z	2.036	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	2.846	2.5
80	MP4C	Z	1.643	2.5
81	MP4C	Mx	-.000839	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3A	X	2.332	2.5
83	MP3A	Z	1.347	2.5
84	MP3A	Mx	.000777	2.5
85	MP3B	X	3.527	2.5
86	MP3B	Z	2.036	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	2.592	2.5
89	MP3C	Z	1.497	2.5
90	MP3C	Mx	-.000764	2.5
91	M100	X	8.442	1
92	M100	Z	4.874	1
93	M100	Mx	0	1
94	M98	X	5.875	1
95	M98	Z	3.392	1
96	M98	Mx	0	1
97	M108	X	1.041	6
98	M108	Z	.601	6
99	M108	Mx	-.000174	6
100	M108	X	1.041	6
101	M108	Z	.601	6
102	M108	Mx	.000174	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	3.104	.33
2	MP3A	Z	5.376	.33
3	MP3A	Mx	.00036	.33
4	MP3A	X	3.104	4.67
5	MP3A	Z	5.376	4.67
6	MP3A	Mx	.00036	4.67
7	MP3B	X	3.104	.33
8	MP3B	Z	5.376	.33
9	MP3B	Mx	-.005	.33
10	MP3B	X	3.104	4.67
11	MP3B	Z	5.376	4.67
12	MP3B	Mx	-.005	4.67
13	MP3C	X	1.619	.33
14	MP3C	Z	2.804	.33
15	MP3C	Mx	.003	.33
16	MP3C	X	1.619	4.67
17	MP3C	Z	2.804	4.67
18	MP3C	Mx	.003	4.67
19	MP3A	X	3.104	.33
20	MP3A	Z	5.376	.33
21	MP3A	Mx	-.005	.33
22	MP3A	X	3.104	4.67
23	MP3A	Z	5.376	4.67
24	MP3A	Mx	-.005	4.67
25	MP3B	X	3.104	.33
26	MP3B	Z	5.376	.33
27	MP3B	Mx	.00036	.33
28	MP3B	X	3.104	4.67
29	MP3B	Z	5.376	4.67
30	MP3B	Mx	.00036	4.67
31	MP3C	X	1.619	.33
32	MP3C	Z	2.804	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
33	MP3C	Mx	.002	.33
34	MP3C	X	1.619	4.67
35	MP3C	Z	2.804	4.67
36	MP3C	Mx	.002	4.67
37	MP4A	X	5.556	.33
38	MP4A	Z	9.623	.33
39	MP4A	Mx	-.006	.33
40	MP4A	X	5.556	4.67
41	MP4A	Z	9.623	4.67
42	MP4A	Mx	-.006	4.67
43	MP4B	X	5.556	.33
44	MP4B	Z	9.623	.33
45	MP4B	Mx	-.006	.33
46	MP4B	X	5.556	4.67
47	MP4B	Z	9.623	4.67
48	MP4B	Mx	-.006	4.67
49	MP4C	X	4.095	.33
50	MP4C	Z	7.092	.33
51	MP4C	Mx	.008	.33
52	MP4C	X	4.095	4.67
53	MP4C	Z	7.092	4.67
54	MP4C	Mx	.008	4.67
55	MP1A	X	2.153	1.33
56	MP1A	Z	3.729	1.33
57	MP1A	Mx	-.001	1.33
58	MP1A	X	2.153	3.33
59	MP1A	Z	3.729	3.33
60	MP1A	Mx	-.001	3.33
61	MP1B	X	2.153	1.33
62	MP1B	Z	3.729	1.33
63	MP1B	Mx	-.001	1.33
64	MP1B	X	2.153	3.33
65	MP1B	Z	3.729	3.33
66	MP1B	Mx	-.001	3.33
67	MP1C	X	.938	1.33
68	MP1C	Z	1.624	1.33
69	MP1C	Mx	.000923	1.33
70	MP1C	X	.938	3.33
71	MP1C	Z	1.624	3.33
72	MP1C	Mx	.000923	3.33
73	MP4A	X	1.869	2.5
74	MP4A	Z	3.237	2.5
75	MP4A	Mx	.000623	2.5
76	MP4B	X	1.869	2.5
77	MP4B	Z	3.237	2.5
78	MP4B	Mx	.000623	2.5
79	MP4C	X	1.387	2.5
80	MP4C	Z	2.402	2.5
81	MP4C	Mx	-.000911	2.5
82	MP3A	X	1.806	2.5
83	MP3A	Z	3.129	2.5
84	MP3A	Mx	.000602	2.5
85	MP3B	X	1.806	2.5
86	MP3B	Z	3.129	2.5
87	MP3B	Mx	.000602	2.5
88	MP3C	X	1.144	2.5
89	MP3C	Z	1.982	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
90	MP3C	Mx	-.000751	2.5
91	M100	X	4.38	1
92	M100	Z	7.587	1
93	M100	Mx	0	1
94	M98	X	4.38	1
95	M98	Z	7.587	1
96	M98	Mx	0	1
97	M108	X	1.04	6
98	M108	Z	1.801	6
99	M108	Mx	-.000173	6
100	M108	X	1.04	6
101	M108	Z	1.801	6
102	M108	Mx	.000173	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	0	.33
2	MP3A	Z	7.239	.33
3	MP3A	Mx	.004	.33
4	MP3A	X	0	4.67
5	MP3A	Z	7.239	4.67
6	MP3A	Mx	.004	4.67
7	MP3B	X	0	.33
8	MP3B	Z	4.145	.33
9	MP3B	Mx	-.004	.33
10	MP3B	X	0	4.67
11	MP3B	Z	4.145	4.67
12	MP3B	Mx	-.004	4.67
13	MP3C	X	0	.33
14	MP3C	Z	3.596	.33
15	MP3C	Mx	.002	.33
16	MP3C	X	0	4.67
17	MP3C	Z	3.596	4.67
18	MP3C	Mx	.002	4.67
19	MP3A	X	0	.33
20	MP3A	Z	7.239	.33
21	MP3A	Mx	-.004	.33
22	MP3A	X	0	4.67
23	MP3A	Z	7.239	4.67
24	MP3A	Mx	-.004	4.67
25	MP3B	X	0	.33
26	MP3B	Z	4.145	.33
27	MP3B	Mx	-.002	.33
28	MP3B	X	0	4.67
29	MP3B	Z	4.145	4.67
30	MP3B	Mx	-.002	4.67
31	MP3C	X	0	.33
32	MP3C	Z	3.596	.33
33	MP3C	Mx	.003	.33
34	MP3C	X	0	4.67
35	MP3C	Z	3.596	4.67
36	MP3C	Mx	.003	4.67
37	MP4A	X	0	.33
38	MP4A	Z	12.126	.33
39	MP4A	Mx	0	.33
40	MP4A	X	0	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
41	MP4A	Z	12.126	4.67
42	MP4A	Mx	0	4.67
43	MP4B	X	0	.33
44	MP4B	Z	9.082	.33
45	MP4B	Mx	-.008	.33
46	MP4B	X	0	4.67
47	MP4B	Z	9.082	4.67
48	MP4B	Mx	-.008	4.67
49	MP4C	X	0	.33
50	MP4C	Z	8.542	.33
51	MP4C	Mx	.008	.33
52	MP4C	X	0	4.67
53	MP4C	Z	8.542	4.67
54	MP4C	Mx	.008	4.67
55	MP1A	X	0	1.33
56	MP1A	Z	5.15	1.33
57	MP1A	Mx	0	1.33
58	MP1A	X	0	3.33
59	MP1A	Z	5.15	3.33
60	MP1A	Mx	0	3.33
61	MP1B	X	0	1.33
62	MP1B	Z	2.618	1.33
63	MP1B	Mx	-.001	1.33
64	MP1B	X	0	3.33
65	MP1B	Z	2.618	3.33
66	MP1B	Mx	-.001	3.33
67	MP1C	X	0	1.33
68	MP1C	Z	2.169	1.33
69	MP1C	Mx	.001	1.33
70	MP1C	X	0	3.33
71	MP1C	Z	2.169	3.33
72	MP1C	Mx	.001	3.33
73	MP4A	X	0	2.5
74	MP4A	Z	4.073	2.5
75	MP4A	Mx	0	2.5
76	MP4B	X	0	2.5
77	MP4B	Z	3.068	2.5
78	MP4B	Mx	.000886	2.5
79	MP4C	X	0	2.5
80	MP4C	Z	2.889	2.5
81	MP4C	Mx	-.000905	2.5
82	MP3A	X	0	2.5
83	MP3A	Z	4.073	2.5
84	MP3A	Mx	0	2.5
85	MP3B	X	0	2.5
86	MP3B	Z	2.693	2.5
87	MP3B	Mx	.000777	2.5
88	MP3C	X	0	2.5
89	MP3C	Z	2.449	2.5
90	MP3C	Mx	-.000767	2.5
91	M100	X	0	1
92	M100	Z	6.784	1
93	M100	Mx	0	1
94	M98	X	0	1
95	M98	Z	9.748	1
96	M98	Mx	0	1
97	M108	X	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
98	M108	Z	2.519	6
99	M108	Mx	0	6
100	M108	X	0	6
101	M108	Z	2.519	6
102	M108	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.104	.33
2	MP3A	Z	5.376	.33
3	MP3A	Mx	.005	.33
4	MP3A	X	-3.104	4.67
5	MP3A	Z	5.376	4.67
6	MP3A	Mx	.005	4.67
7	MP3B	X	-1.557	.33
8	MP3B	Z	2.697	.33
9	MP3B	Mx	-.002	.33
10	MP3B	X	-1.557	4.67
11	MP3B	Z	2.697	4.67
12	MP3B	Mx	-.002	4.67
13	MP3C	X	-2.767	.33
14	MP3C	Z	4.793	.33
15	MP3C	Mx	.000548	.33
16	MP3C	X	-2.767	4.67
17	MP3C	Z	4.793	4.67
18	MP3C	Mx	.000548	4.67
19	MP3A	X	-3.104	.33
20	MP3A	Z	5.376	.33
21	MP3A	Mx	-.00036	.33
22	MP3A	X	-3.104	4.67
23	MP3A	Z	5.376	4.67
24	MP3A	Mx	-.00036	4.67
25	MP3B	X	-1.557	.33
26	MP3B	Z	2.697	.33
27	MP3B	Mx	-.002	.33
28	MP3B	X	-1.557	4.67
29	MP3B	Z	2.697	4.67
30	MP3B	Mx	-.002	4.67
31	MP3C	X	-2.767	.33
32	MP3C	Z	4.793	.33
33	MP3C	Mx	.005	.33
34	MP3C	X	-2.767	4.67
35	MP3C	Z	4.793	4.67
36	MP3C	Mx	.005	4.67
37	MP4A	X	-5.556	.33
38	MP4A	Z	9.623	.33
39	MP4A	Mx	.006	.33
40	MP4A	X	-5.556	4.67
41	MP4A	Z	9.623	4.67
42	MP4A	Mx	.006	4.67
43	MP4B	X	-4.034	.33
44	MP4B	Z	6.986	.33
45	MP4B	Mx	-.008	.33
46	MP4B	X	-4.034	4.67
47	MP4B	Z	6.986	4.67
48	MP4B	Mx	-.008	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
49	MP4C	X	-5.225	.33
50	MP4C	Z	9.049	.33
51	MP4C	Mx	.007	.33
52	MP4C	X	-5.225	4.67
53	MP4C	Z	9.049	4.67
54	MP4C	Mx	.007	4.67
55	MP1A	X	-2.153	1.33
56	MP1A	Z	3.729	1.33
57	MP1A	Mx	.001	1.33
58	MP1A	X	-2.153	3.33
59	MP1A	Z	3.729	3.33
60	MP1A	Mx	.001	3.33
61	MP1B	X	-.887	1.33
62	MP1B	Z	1.536	1.33
63	MP1B	Mx	-.000887	1.33
64	MP1B	X	-.887	3.33
65	MP1B	Z	1.536	3.33
66	MP1B	Mx	-.000887	3.33
67	MP1C	X	-1.878	1.33
68	MP1C	Z	3.252	1.33
69	MP1C	Mx	.001	1.33
70	MP1C	X	-1.878	3.33
71	MP1C	Z	3.252	3.33
72	MP1C	Mx	.001	3.33
73	MP4A	X	-1.869	2.5
74	MP4A	Z	3.237	2.5
75	MP4A	Mx	-.000623	2.5
76	MP4B	X	-1.366	2.5
77	MP4B	Z	2.367	2.5
78	MP4B	Mx	.000911	2.5
79	MP4C	X	-1.76	2.5
80	MP4C	Z	3.048	2.5
81	MP4C	Mx	-.000754	2.5
82	MP3A	X	-1.806	2.5
83	MP3A	Z	3.129	2.5
84	MP3A	Mx	-.000602	2.5
85	MP3B	X	-1.117	2.5
86	MP3B	Z	1.934	2.5
87	MP3B	Mx	.000744	2.5
88	MP3C	X	-1.656	2.5
89	MP3C	Z	2.869	2.5
90	MP3C	Mx	-.00071	2.5
91	M100	X	-2.898	1
92	M100	Z	5.02	1
93	M100	Mx	0	1
94	M98	X	-4.38	1
95	M98	Z	7.587	1
96	M98	Mx	0	1
97	M108	X	-1.04	6
98	M108	Z	1.801	6
99	M108	Mx	.000173	6
100	M108	X	-1.04	6
101	M108	Z	1.801	6
102	M108	Mx	-.000173	6

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

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

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.59	.33
2	MP3A	Z	2.073	.33
3	MP3A	Mx	.004	.33
4	MP3A	X	-3.59	4.67
5	MP3A	Z	2.073	4.67
6	MP3A	Mx	.004	4.67
7	MP3B	X	-3.59	.33
8	MP3B	Z	2.073	.33
9	MP3B	Mx	-.002	.33
10	MP3B	X	-3.59	4.67
11	MP3B	Z	2.073	4.67
12	MP3B	Mx	-.002	4.67
13	MP3C	X	-6.162	.33
14	MP3C	Z	3.557	.33
15	MP3C	Mx	-.003	.33
16	MP3C	X	-6.162	4.67
17	MP3C	Z	3.557	4.67
18	MP3C	Mx	-.003	4.67
19	MP3A	X	-3.59	.33
20	MP3A	Z	2.073	.33
21	MP3A	Mx	.002	.33
22	MP3A	X	-3.59	4.67
23	MP3A	Z	2.073	4.67
24	MP3A	Mx	.002	4.67
25	MP3B	X	-3.59	.33
26	MP3B	Z	2.073	.33
27	MP3B	Mx	-.004	.33
28	MP3B	X	-3.59	4.67
29	MP3B	Z	2.073	4.67
30	MP3B	Mx	-.004	4.67
31	MP3C	X	-6.162	.33
32	MP3C	Z	3.557	.33
33	MP3C	Mx	.004	.33
34	MP3C	X	-6.162	4.67
35	MP3C	Z	3.557	4.67
36	MP3C	Mx	.004	4.67
37	MP4A	X	-7.865	.33
38	MP4A	Z	4.541	.33
39	MP4A	Mx	.008	.33
40	MP4A	X	-7.865	4.67
41	MP4A	Z	4.541	4.67
42	MP4A	Mx	.008	4.67
43	MP4B	X	-7.865	.33
44	MP4B	Z	4.541	.33
45	MP4B	Mx	-.008	.33
46	MP4B	X	-7.865	4.67
47	MP4B	Z	4.541	4.67
48	MP4B	Mx	-.008	4.67
49	MP4C	X	-10.396	.33
50	MP4C	Z	6.002	.33
51	MP4C	Mx	.002	.33
52	MP4C	X	-10.396	4.67
53	MP4C	Z	6.002	4.67
54	MP4C	Mx	.002	4.67
55	MP1A	X	-2.267	1.33
56	MP1A	Z	1.309	1.33
57	MP1A	Mx	.001	1.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
58	MP1A	X	-2.267	3.33
59	MP1A	Z	1.309	3.33
60	MP1A	Mx	.001	3.33
61	MP1B	X	-2.267	1.33
62	MP1B	Z	1.309	1.33
63	MP1B	Mx	-.001	1.33
64	MP1B	X	-2.267	3.33
65	MP1B	Z	1.309	3.33
66	MP1B	Mx	-.001	3.33
67	MP1C	X	-4.372	1.33
68	MP1C	Z	2.524	1.33
69	MP1C	Mx	.000438	1.33
70	MP1C	X	-4.372	3.33
71	MP1C	Z	2.524	3.33
72	MP1C	Mx	.000438	3.33
73	MP4A	X	-2.657	2.5
74	MP4A	Z	1.534	2.5
75	MP4A	Mx	-.000886	2.5
76	MP4B	X	-2.657	2.5
77	MP4B	Z	1.534	2.5
78	MP4B	Mx	.000886	2.5
79	MP4C	X	-3.492	2.5
80	MP4C	Z	2.016	2.5
81	MP4C	Mx	-.000233	2.5
82	MP3A	X	-2.332	2.5
83	MP3A	Z	1.347	2.5
84	MP3A	Mx	-.000777	2.5
85	MP3B	X	-2.332	2.5
86	MP3B	Z	1.347	2.5
87	MP3B	Mx	.000778	2.5
88	MP3C	X	-3.479	2.5
89	MP3C	Z	2.009	2.5
90	MP3C	Mx	-.000233	2.5
91	M100	X	-5.875	1
92	M100	Z	3.392	1
93	M100	Mx	0	1
94	M98	X	-5.875	1
95	M98	Z	3.392	1
96	M98	Mx	0	1
97	M108	X	-1.041	6
98	M108	Z	.601	6
99	M108	Mx	.000174	6
100	M108	X	-1.041	6
101	M108	Z	.601	6
102	M108	Mx	-.000174	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.114	.33
2	MP3A	Z	0	.33
3	MP3A	Mx	.002	.33
4	MP3A	X	-3.114	4.67
5	MP3A	Z	0	4.67
6	MP3A	Mx	.002	4.67
7	MP3B	X	-6.208	.33
8	MP3B	Z	0	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
9	MP3B	Mx	.00036	.33
10	MP3B	X	-6.208	4.67
11	MP3B	Z	0	4.67
12	MP3B	Mx	.00036	4.67
13	MP3C	X	-6.757	.33
14	MP3C	Z	0	.33
15	MP3C	Mx	-.005	.33
16	MP3C	X	-6.757	4.67
17	MP3C	Z	0	4.67
18	MP3C	Mx	-.005	4.67
19	MP3A	X	-3.114	.33
20	MP3A	Z	0	.33
21	MP3A	Mx	.002	.33
22	MP3A	X	-3.114	4.67
23	MP3A	Z	0	4.67
24	MP3A	Mx	.002	4.67
25	MP3B	X	-6.208	.33
26	MP3B	Z	0	.33
27	MP3B	Mx	-.005	.33
28	MP3B	X	-6.208	4.67
29	MP3B	Z	0	4.67
30	MP3B	Mx	-.005	4.67
31	MP3C	X	-6.757	.33
32	MP3C	Z	0	.33
33	MP3C	Mx	.001	.33
34	MP3C	X	-6.757	4.67
35	MP3C	Z	0	4.67
36	MP3C	Mx	.001	4.67
37	MP4A	X	-8.067	.33
38	MP4A	Z	0	.33
39	MP4A	Mx	.008	.33
40	MP4A	X	-8.067	4.67
41	MP4A	Z	0	4.67
42	MP4A	Mx	.008	4.67
43	MP4B	X	-11.112	.33
44	MP4B	Z	0	.33
45	MP4B	Mx	-.006	.33
46	MP4B	X	-11.112	4.67
47	MP4B	Z	0	4.67
48	MP4B	Mx	-.006	4.67
49	MP4C	X	-11.652	.33
50	MP4C	Z	0	.33
51	MP4C	Mx	-.004	.33
52	MP4C	X	-11.652	4.67
53	MP4C	Z	0	4.67
54	MP4C	Mx	-.004	4.67
55	MP1A	X	-1.774	1.33
56	MP1A	Z	0	1.33
57	MP1A	Mx	.000887	1.33
58	MP1A	X	-1.774	3.33
59	MP1A	Z	0	3.33
60	MP1A	Mx	.000887	3.33
61	MP1B	X	-4.306	1.33
62	MP1B	Z	0	1.33
63	MP1B	Mx	-.001	1.33
64	MP1B	X	-4.306	3.33
65	MP1B	Z	0	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
66	MP1B	Mx	-.001	3.33
67	MP1C	X	-4.755	1.33
68	MP1C	Z	0	1.33
69	MP1C	Mx	-.000813	1.33
70	MP1C	X	-4.755	3.33
71	MP1C	Z	0	3.33
72	MP1C	Mx	-.000813	3.33
73	MP4A	X	-2.733	2.5
74	MP4A	Z	0	2.5
75	MP4A	Mx	-.000911	2.5
76	MP4B	X	-3.738	2.5
77	MP4B	Z	0	2.5
78	MP4B	Mx	.000623	2.5
79	MP4C	X	-3.916	2.5
80	MP4C	Z	0	2.5
81	MP4C	Mx	.000446	2.5
82	MP3A	X	-2.233	2.5
83	MP3A	Z	0	2.5
84	MP3A	Mx	-.000744	2.5
85	MP3B	X	-3.613	2.5
86	MP3B	Z	0	2.5
87	MP3B	Mx	.000602	2.5
88	MP3C	X	-3.858	2.5
89	MP3C	Z	0	2.5
90	MP3C	Mx	.00044	2.5
91	M100	X	-8.76	1
92	M100	Z	0	1
93	M100	Mx	0	1
94	M98	X	-5.796	1
95	M98	Z	0	1
96	M98	Mx	0	1
97	M108	X	-.764	6
98	M108	Z	0	6
99	M108	Mx	.000127	6
100	M108	X	-.764	6
101	M108	Z	0	6
102	M108	Mx	-.000127	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.59	.33
2	MP3A	Z	-2.073	.33
3	MP3A	Mx	.002	.33
4	MP3A	X	-3.59	4.67
5	MP3A	Z	-2.073	4.67
6	MP3A	Mx	.002	4.67
7	MP3B	X	-6.269	.33
8	MP3B	Z	-3.62	.33
9	MP3B	Mx	.004	.33
10	MP3B	X	-6.269	4.67
11	MP3B	Z	-3.62	4.67
12	MP3B	Mx	.004	4.67
13	MP3C	X	-4.173	.33
14	MP3C	Z	-2.409	.33
15	MP3C	Mx	-.004	.33
16	MP3C	X	-4.173	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
17	MP3C	Z	-2.409	4.67
18	MP3C	Mx	-.004	4.67
19	MP3A	X	-3.59	.33
20	MP3A	Z	-2.073	.33
21	MP3A	Mx	.004	.33
22	MP3A	X	-3.59	4.67
23	MP3A	Z	-2.073	4.67
24	MP3A	Mx	.004	4.67
25	MP3B	X	-6.269	.33
26	MP3B	Z	-3.62	.33
27	MP3B	Mx	-.004	.33
28	MP3B	X	-6.269	4.67
29	MP3B	Z	-3.62	4.67
30	MP3B	Mx	-.004	4.67
31	MP3C	X	-4.173	.33
32	MP3C	Z	-2.409	.33
33	MP3C	Mx	-.001	.33
34	MP3C	X	-4.173	4.67
35	MP3C	Z	-2.409	4.67
36	MP3C	Mx	-.001	4.67
37	MP4A	X	-7.865	.33
38	MP4A	Z	-4.541	.33
39	MP4A	Mx	.008	.33
40	MP4A	X	-7.865	4.67
41	MP4A	Z	-4.541	4.67
42	MP4A	Mx	.008	4.67
43	MP4B	X	-10.502	.33
44	MP4B	Z	-6.063	.33
45	MP4B	Mx	0	.33
46	MP4B	X	-10.502	4.67
47	MP4B	Z	-6.063	4.67
48	MP4B	Mx	0	4.67
49	MP4C	X	-8.439	.33
50	MP4C	Z	-4.872	.33
51	MP4C	Mx	-.007	.33
52	MP4C	X	-8.439	4.67
53	MP4C	Z	-4.872	4.67
54	MP4C	Mx	-.007	4.67
55	MP1A	X	-2.267	1.33
56	MP1A	Z	-1.309	1.33
57	MP1A	Mx	.001	1.33
58	MP1A	X	-2.267	3.33
59	MP1A	Z	-1.309	3.33
60	MP1A	Mx	.001	3.33
61	MP1B	X	-4.46	1.33
62	MP1B	Z	-2.575	1.33
63	MP1B	Mx	0	1.33
64	MP1B	X	-4.46	3.33
65	MP1B	Z	-2.575	3.33
66	MP1B	Mx	0	3.33
67	MP1C	X	-2.744	1.33
68	MP1C	Z	-1.584	1.33
69	MP1C	Mx	-.001	1.33
70	MP1C	X	-2.744	3.33
71	MP1C	Z	-1.584	3.33
72	MP1C	Mx	-.001	3.33
73	MP4A	X	-2.657	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
74	MP4A	Z	-1.534	2.5
75	MP4A	Mx	-.000886	2.5
76	MP4B	X	-3.527	2.5
77	MP4B	Z	-2.036	2.5
78	MP4B	Mx	0	2.5
79	MP4C	X	-2.846	2.5
80	MP4C	Z	-1.643	2.5
81	MP4C	Mx	.000839	2.5
82	MP3A	X	-2.332	2.5
83	MP3A	Z	-1.347	2.5
84	MP3A	Mx	-.000777	2.5
85	MP3B	X	-3.527	2.5
86	MP3B	Z	-2.036	2.5
87	MP3B	Mx	0	2.5
88	MP3C	X	-2.592	2.5
89	MP3C	Z	-1.497	2.5
90	MP3C	Mx	.000764	2.5
91	M100	X	-8.442	1
92	M100	Z	-4.874	1
93	M100	Mx	0	1
94	M98	X	-5.875	1
95	M98	Z	-3.392	1
96	M98	Mx	0	1
97	M108	X	-1.041	6
98	M108	Z	-.601	6
99	M108	Mx	.000174	6
100	M108	X	-1.041	6
101	M108	Z	-.601	6
102	M108	Mx	-.000174	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	-3.104	.33
2	MP3A	Z	-5.376	.33
3	MP3A	Mx	-.00036	.33
4	MP3A	X	-3.104	4.67
5	MP3A	Z	-5.376	4.67
6	MP3A	Mx	-.00036	4.67
7	MP3B	X	-3.104	.33
8	MP3B	Z	-5.376	.33
9	MP3B	Mx	.005	.33
10	MP3B	X	-3.104	4.67
11	MP3B	Z	-5.376	4.67
12	MP3B	Mx	.005	4.67
13	MP3C	X	-1.619	.33
14	MP3C	Z	-2.804	.33
15	MP3C	Mx	-.003	.33
16	MP3C	X	-1.619	4.67
17	MP3C	Z	-2.804	4.67
18	MP3C	Mx	-.003	4.67
19	MP3A	X	-3.104	.33
20	MP3A	Z	-5.376	.33
21	MP3A	Mx	.005	.33
22	MP3A	X	-3.104	4.67
23	MP3A	Z	-5.376	4.67
24	MP3A	Mx	.005	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
25	MP3B	X	-3.104	.33
26	MP3B	Z	-5.376	.33
27	MP3B	Mx	-.00036	.33
28	MP3B	X	-3.104	4.67
29	MP3B	Z	-5.376	4.67
30	MP3B	Mx	-.00036	4.67
31	MP3C	X	-1.619	.33
32	MP3C	Z	-2.804	.33
33	MP3C	Mx	-.002	.33
34	MP3C	X	-1.619	4.67
35	MP3C	Z	-2.804	4.67
36	MP3C	Mx	-.002	4.67
37	MP4A	X	-5.556	.33
38	MP4A	Z	-9.623	.33
39	MP4A	Mx	.006	.33
40	MP4A	X	-5.556	4.67
41	MP4A	Z	-9.623	4.67
42	MP4A	Mx	.006	4.67
43	MP4B	X	-5.556	.33
44	MP4B	Z	-9.623	.33
45	MP4B	Mx	.006	.33
46	MP4B	X	-5.556	4.67
47	MP4B	Z	-9.623	4.67
48	MP4B	Mx	.006	4.67
49	MP4C	X	-4.095	.33
50	MP4C	Z	-7.092	.33
51	MP4C	Mx	-.008	.33
52	MP4C	X	-4.095	4.67
53	MP4C	Z	-7.092	4.67
54	MP4C	Mx	-.008	4.67
55	MP1A	X	-2.153	1.33
56	MP1A	Z	-3.729	1.33
57	MP1A	Mx	.001	1.33
58	MP1A	X	-2.153	3.33
59	MP1A	Z	-3.729	3.33
60	MP1A	Mx	.001	3.33
61	MP1B	X	-2.153	1.33
62	MP1B	Z	-3.729	1.33
63	MP1B	Mx	.001	1.33
64	MP1B	X	-2.153	3.33
65	MP1B	Z	-3.729	3.33
66	MP1B	Mx	.001	3.33
67	MP1C	X	-.938	1.33
68	MP1C	Z	-1.624	1.33
69	MP1C	Mx	-.000923	1.33
70	MP1C	X	-.938	3.33
71	MP1C	Z	-1.624	3.33
72	MP1C	Mx	-.000923	3.33
73	MP4A	X	-1.869	2.5
74	MP4A	Z	-3.237	2.5
75	MP4A	Mx	-.000623	2.5
76	MP4B	X	-1.869	2.5
77	MP4B	Z	-3.237	2.5
78	MP4B	Mx	-.000623	2.5
79	MP4C	X	-1.387	2.5
80	MP4C	Z	-2.402	2.5
81	MP4C	Mx	.000911	2.5

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
82	MP3A	X	-1.806	2.5
83	MP3A	Z	-3.129	2.5
84	MP3A	Mx	-.000602	2.5
85	MP3B	X	-1.806	2.5
86	MP3B	Z	-3.129	2.5
87	MP3B	Mx	-.000602	2.5
88	MP3C	X	-1.144	2.5
89	MP3C	Z	-1.982	2.5
90	MP3C	Mx	.000751	2.5
91	M100	X	-4.38	1
92	M100	Z	-7.587	1
93	M100	Mx	0	1
94	M98	X	-4.38	1
95	M98	Z	-7.587	1
96	M98	Mx	0	1
97	M108	X	-1.04	6
98	M108	Z	-1.801	6
99	M108	Mx	.000173	6
100	M108	X	-1.04	6
101	M108	Z	-1.801	6
102	M108	Mx	-.000173	6

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M32	Y	-500	%7

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M32	Y	-500	%78

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M32	Y	-250	%50

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	M32	Y	-250	%100

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Y	0	.33
2	MP3A	My	0	.33
3	MP3A	Mz	0	.33
4	MP3A	Y	0	4.67
5	MP3A	My	0	4.67
6	MP3A	Mz	0	4.67
7	MP3B	Y	0	.33
8	MP3B	My	0	.33
9	MP3B	Mz	0	.33
10	MP3B	Y	0	4.67
11	MP3B	My	0	4.67
12	MP3B	Mz	0	4.67
13	MP3C	Y	0	.33
14	MP3C	My	0	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
15	MP3C	Mz	0	.33
16	MP3C	Y	0	4.67
17	MP3C	My	0	4.67
18	MP3C	Mz	0	4.67
19	MP3A	Y	0	.33
20	MP3A	My	0	.33
21	MP3A	Mz	0	.33
22	MP3A	Y	0	4.67
23	MP3A	My	0	4.67
24	MP3A	Mz	0	4.67
25	MP3B	Y	0	.33
26	MP3B	My	0	.33
27	MP3B	Mz	0	.33
28	MP3B	Y	0	4.67
29	MP3B	My	0	4.67
30	MP3B	Mz	0	4.67
31	MP3C	Y	0	.33
32	MP3C	My	0	.33
33	MP3C	Mz	0	.33
34	MP3C	Y	0	4.67
35	MP3C	My	0	4.67
36	MP3C	Mz	0	4.67
37	MP4A	Y	0	.33
38	MP4A	My	0	.33
39	MP4A	Mz	0	.33
40	MP4A	Y	0	4.67
41	MP4A	My	0	4.67
42	MP4A	Mz	0	4.67
43	MP4B	Y	0	.33
44	MP4B	My	0	.33
45	MP4B	Mz	0	.33
46	MP4B	Y	0	4.67
47	MP4B	My	0	4.67
48	MP4B	Mz	0	4.67
49	MP4C	Y	0	.33
50	MP4C	My	0	.33
51	MP4C	Mz	0	.33
52	MP4C	Y	0	4.67
53	MP4C	My	0	4.67
54	MP4C	Mz	0	4.67
55	MP1A	Y	0	1.33
56	MP1A	My	0	1.33
57	MP1A	Mz	0	1.33
58	MP1A	Y	0	3.33
59	MP1A	My	0	3.33
60	MP1A	Mz	0	3.33
61	MP1B	Y	0	1.33
62	MP1B	My	0	1.33
63	MP1B	Mz	0	1.33
64	MP1B	Y	0	3.33
65	MP1B	My	0	3.33
66	MP1B	Mz	0	3.33
67	MP1C	Y	0	1.33
68	MP1C	My	0	1.33
69	MP1C	Mz	0	1.33
70	MP1C	Y	0	3.33
71	MP1C	My	0	3.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
72	MP1C	Mz	0	3.33
73	MP4A	Y	0	2.5
74	MP4A	My	0	2.5
75	MP4A	Mz	0	2.5
76	MP4B	Y	0	2.5
77	MP4B	My	0	2.5
78	MP4B	Mz	0	2.5
79	MP4C	Y	0	2.5
80	MP4C	My	0	2.5
81	MP4C	Mz	0	2.5
82	MP3A	Y	0	2.5
83	MP3A	My	0	2.5
84	MP3A	Mz	0	2.5
85	MP3B	Y	0	2.5
86	MP3B	My	0	2.5
87	MP3B	Mz	0	2.5
88	MP3C	Y	0	2.5
89	MP3C	My	0	2.5
90	MP3C	Mz	0	2.5
91	M100	Y	0	1
92	M100	My	0	1
93	M100	Mz	0	1
94	M98	Y	0	1
95	M98	My	0	1
96	M98	Mz	0	1
97	M108	Y	0	6
98	M108	My	0	6
99	M108	Mz	0	6
100	M108	Y	0	6
101	M108	My	0	6
102	M108	Mz	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	Z	-.6	.33
2	MP3A	Mx	-.0003	.33
3	MP3A	Z	-.6	4.67
4	MP3A	Mx	-.0003	4.67
5	MP3B	Z	-.6	.33
6	MP3B	Mx	.00054	.33
7	MP3B	Z	-.6	4.67
8	MP3B	Mx	.00054	4.67
9	MP3C	Z	-.6	.33
10	MP3C	Mx	-.00032	.33
11	MP3C	Z	-.6	4.67
12	MP3C	Mx	-.00032	4.67
13	MP3A	Z	-.6	.33
14	MP3A	Mx	.0003	.33
15	MP3A	Z	-.6	4.67
16	MP3A	Mx	.0003	4.67
17	MP3B	Z	-.6	.33
18	MP3B	Mx	.00024	.33
19	MP3B	Z	-.6	4.67
20	MP3B	Mx	.00024	4.67
21	MP3C	Z	-.6	.33
22	MP3C	Mx	-.000525	.33

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
23	MP3C	Z	-.6	4.67
24	MP3C	Mx	-.000525	4.67
25	MP4A	Z	-.689	.33
26	MP4A	Mx	0	.33
27	MP4A	Z	-.689	4.67
28	MP4A	Mx	0	4.67
29	MP4B	Z	-.689	.33
30	MP4B	Mx	.000596	.33
31	MP4B	Z	-.689	4.67
32	MP4B	Mx	.000596	4.67
33	MP4C	Z	-.689	.33
34	MP4C	Mx	-.000647	.33
35	MP4C	Z	-.689	4.67
36	MP4C	Mx	-.000647	4.67
37	MP1A	Z	-1.306	1.33
38	MP1A	Mx	0	1.33
39	MP1A	Z	-1.306	3.33
40	MP1A	Mx	0	3.33
41	MP1B	Z	-1.306	1.33
42	MP1B	Mx	.000566	1.33
43	MP1B	Z	-1.306	3.33
44	MP1B	Mx	.000566	3.33
45	MP1C	Z	-1.306	1.33
46	MP1C	Mx	-.000614	1.33
47	MP1C	Z	-1.306	3.33
48	MP1C	Mx	-.000614	3.33
49	MP4A	Z	-2.532	2.5
50	MP4A	Mx	0	2.5
51	MP4B	Z	-2.532	2.5
52	MP4B	Mx	-.000731	2.5
53	MP4C	Z	-2.532	2.5
54	MP4C	Mx	.000793	2.5
55	MP3A	Z	-2.109	2.5
56	MP3A	Mx	0	2.5
57	MP3B	Z	-2.109	2.5
58	MP3B	Mx	-.000609	2.5
59	MP3C	Z	-2.109	2.5
60	MP3C	Mx	.000661	2.5
61	M100	Z	-1.32	1
62	M100	Mx	0	1
63	M98	Z	-1.32	1
64	M98	Mx	0	1
65	M108	Z	-.528	6
66	M108	Mx	0	6
67	M108	Z	-.528	6
68	M108	Mx	0	6

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
1	MP3A	X	.6	.33
2	MP3A	Mx	-.00045	.33
3	MP3A	X	.6	4.67
4	MP3A	Mx	-.00045	4.67
5	MP3B	X	.6	.33
6	MP3B	Mx	-3.5e-5	.33
7	MP3B	X	.6	4.67

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
8	MP3B	Mx	-3.5e-5	4.67
9	MP3C	X	.6	.33
10	MP3C	Mx	.000436	.33
11	MP3C	X	.6	4.67
12	MP3C	Mx	.000436	4.67
13	MP3A	X	.6	.33
14	MP3A	Mx	-.00045	.33
15	MP3A	X	.6	4.67
16	MP3A	Mx	-.00045	4.67
17	MP3B	X	.6	.33
18	MP3B	Mx	.000485	.33
19	MP3B	X	.6	4.67
20	MP3B	Mx	.000485	4.67
21	MP3C	X	.6	.33
22	MP3C	Mx	-.000128	.33
23	MP3C	X	.6	4.67
24	MP3C	Mx	-.000128	4.67
25	MP4A	X	.689	.33
26	MP4A	Mx	-.000689	.33
27	MP4A	X	.689	4.67
28	MP4A	Mx	-.000689	4.67
29	MP4B	X	.689	.33
30	MP4B	Mx	.000344	.33
31	MP4B	X	.689	4.67
32	MP4B	Mx	.000344	4.67
33	MP4C	X	.689	.33
34	MP4C	Mx	.000235	.33
35	MP4C	X	.689	4.67
36	MP4C	Mx	.000235	4.67
37	MP1A	X	1.306	1.33
38	MP1A	Mx	-.000653	1.33
39	MP1A	X	1.306	3.33
40	MP1A	Mx	-.000653	3.33
41	MP1B	X	1.306	1.33
42	MP1B	Mx	.000327	1.33
43	MP1B	X	1.306	3.33
44	MP1B	Mx	.000327	3.33
45	MP1C	X	1.306	1.33
46	MP1C	Mx	.000223	1.33
47	MP1C	X	1.306	3.33
48	MP1C	Mx	.000223	3.33
49	MP4A	X	2.532	2.5
50	MP4A	Mx	.000844	2.5
51	MP4B	X	2.532	2.5
52	MP4B	Mx	-.000422	2.5
53	MP4C	X	2.532	2.5
54	MP4C	Mx	-.000289	2.5
55	MP3A	X	2.109	2.5
56	MP3A	Mx	.000703	2.5
57	MP3B	X	2.109	2.5
58	MP3B	Mx	-.000352	2.5
59	MP3C	X	2.109	2.5
60	MP3C	Mx	-.00024	2.5
61	M100	X	1.32	1
62	M100	Mx	0	1
63	M98	X	1.32	1
64	M98	Mx	0	1

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

	Member Label	Direction	Magnitude[lb,k-ft]	Location[ft,%]
65	M108	X	.528	6
66	M108	Mx	-8.8e-5	6
67	M108	X	.528	6
68	M108	Mx	8.8e-5	6

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	M20	Y	-6.548	-6.548	0	%100
2	M32	Y	-6.548	-6.548	0	%100
3	M33A	Y	-6.548	-6.548	0	%100
4	MP1A	Y	-4.965	-4.965	0	%100
5	MP3A	Y	-5.669	-5.669	0	%100
6	MP4A	Y	-4.965	-4.965	0	%100
7	M72A	Y	-9.584	-9.584	0	%100
8	M73	Y	-7.594	-7.594	0	%100
9	M74	Y	-7.594	-7.594	0	%100
10	M75	Y	-10.097	-10.097	0	%100
11	M78	Y	-5.603	-5.603	0	%100
12	M79	Y	-5.603	-5.603	0	%100
13	M84	Y	-10.097	-10.097	0	%100
14	M85	Y	-10.097	-10.097	0	%100
15	M87A	Y	-10.097	-10.097	0	%100
16	M89A	Y	-10.097	-10.097	0	%100
17	M90A	Y	-10.097	-10.097	0	%100
18	M92	Y	-10.097	-10.097	0	%100
19	M50A	Y	-9.584	-9.584	0	%100
20	M51A	Y	-7.594	-7.594	0	%100
21	M52	Y	-7.594	-7.594	0	%100
22	M53A	Y	-10.097	-10.097	0	%100
23	M56	Y	-5.603	-5.603	0	%100
24	M57	Y	-5.603	-5.603	0	%100
25	M62	Y	-10.097	-10.097	0	%100
26	M63	Y	-10.097	-10.097	0	%100
27	M65	Y	-10.097	-10.097	0	%100
28	M67	Y	-10.097	-10.097	0	%100
29	M68	Y	-10.097	-10.097	0	%100
30	M70	Y	-10.097	-10.097	0	%100
31	M72	Y	-9.584	-9.584	0	%100
32	M73A	Y	-7.594	-7.594	0	%100
33	M74A	Y	-7.594	-7.594	0	%100
34	M75A	Y	-10.097	-10.097	0	%100
35	M78A	Y	-5.603	-5.603	0	%100
36	M79A	Y	-5.603	-5.603	0	%100
37	M84A	Y	-10.097	-10.097	0	%100
38	M85A	Y	-10.097	-10.097	0	%100
39	M87	Y	-10.097	-10.097	0	%100
40	M89	Y	-10.097	-10.097	0	%100
41	M90	Y	-10.097	-10.097	0	%100
42	M92A	Y	-10.097	-10.097	0	%100
43	MP2A	Y	-4.965	-4.965	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,%]
44	MP1C	Y	-4.965	-4.965	0	%100
45	MP4C	Y	-4.965	-4.965	0	%100
46	MP2C	Y	-4.965	-4.965	0	%100
47	MP1B	Y	-4.965	-4.965	0	%100
48	MP4B	Y	-4.965	-4.965	0	%100
49	MP2B	Y	-4.965	-4.965	0	%100
50	M94	Y	-9.584	-9.584	0	%100
51	M95	Y	-9.584	-9.584	0	%100
52	M96	Y	-9.584	-9.584	0	%100
53	M98	Y	-4.965	-4.965	0	%100
54	M100	Y	-4.965	-4.965	0	%100
55	M101	Y	-5.669	-5.669	0	%100
56	M108	Y	-5.669	-5.669	0	%100
57	M115	Y	-5.669	-5.669	0	%100
58	M122	Y	-7.594	-7.594	0	%100
59	M123	Y	-7.594	-7.594	0	%100
60	M124	Y	-7.594	-7.594	0	%100
61	M125	Y	-10.595	-10.595	0	%100
62	M126	Y	-10.595	-10.595	0	%100
63	M127	Y	-10.595	-10.595	0	%100
64	MP3C	Y	-5.669	-5.669	0	%100
65	MP3B	Y	-5.669	-5.669	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	M20	X	0	0	0	%100
2	M20	Z	-3.546	-3.546	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	-14.186	-14.186	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	-3.546	-3.546	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-9.97	-9.97	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-12.068	-12.068	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	-9.97	-9.97	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	-11.205	-11.205	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	-3.903	-3.903	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	-3.903	-3.903	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	-6.297	-6.297	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	-3.428	-3.428	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	-13.713	-13.713	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	-19.006	-19.006	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	-25.653	-25.653	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	-26.586	-26.586	0	%100
31	M89A	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,%]
32	M89A	Z	-19.006	-19.006	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	-6.413	-6.413	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	-6.646	-6.646	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	-11.205	-11.205	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	-3.903	-3.903	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	-3.903	-3.903	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	-6.297	-6.297	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-13.711	-13.711	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-3.428	-3.428	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	-19.006	-19.006	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	-6.413	-6.413	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	-6.646	-6.646	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	-19.006	-19.006	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-25.653	-25.653	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	-26.586	-26.586	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	-15.61	-15.61	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	-15.61	-15.61	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	-25.186	-25.186	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	-3.428	-3.428	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	-3.428	-3.428	0	%100
73	M84A	X	0	0	0	%100
74	M84A	Z	0	0	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	-6.413	-6.413	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	-6.646	-6.646	0	%100
79	M89	X	0	0	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	-6.413	-6.413	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	-6.646	-6.646	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	-9.97	-9.97	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-9.97	-9.97	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,%]
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-9.97	-9.97	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-9.97	-9.97	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-9.97	-9.97	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-9.97	-9.97	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-9.97	-9.97	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	-9.124	-9.124	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-9.124	-9.124	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	-8.153	-8.153	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	-8.153	-8.153	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	-12.068	-12.068	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-3.017	-3.017	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-3.017	-3.017	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-3.958	-3.958	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-15.833	-15.833	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	-3.958	-3.958	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	-13.815	-13.815	0	%100
123	M126	X	0	0	0	%100
124	M126	Z	-18.679	-18.679	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	-18.679	-18.679	0	%100
127	MP3C	X	0	0	0	%100
128	MP3C	Z	-12.068	-12.068	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	-12.068	-12.068	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	5.32	5.32	0	%100
4	M32	Z	-9.214	-9.214	0	%100
5	M33A	X	5.32	5.32	0	%100
6	M33A	Z	-9.214	-9.214	0	%100
7	MP1A	X	4.985	4.985	0	%100
8	MP1A	Z	-8.634	-8.634	0	%100
9	MP3A	X	6.034	6.034	0	%100
10	MP3A	Z	-10.452	-10.452	0	%100
11	MP4A	X	4.985	4.985	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,%]
12	MP4A	Z	-8.634	-8.634	0	%100
13	M72A	X	1.867	1.867	0	%100
14	M72A	Z	-3.235	-3.235	0	%100
15	M73	X	5.854	5.854	0	%100
16	M73	Z	-10.139	-10.139	0	%100
17	M74	X	5.854	5.854	0	%100
18	M74	Z	-10.139	-10.139	0	%100
19	M75	X	9.445	9.445	0	%100
20	M75	Z	-16.359	-16.359	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	5.142	5.142	0	%100
24	M79	Z	-8.907	-8.907	0	%100
25	M84	X	3.168	3.168	0	%100
26	M84	Z	-5.487	-5.487	0	%100
27	M85	X	9.62	9.62	0	%100
28	M85	Z	-16.662	-16.662	0	%100
29	M87A	X	9.97	9.97	0	%100
30	M87A	Z	-17.268	-17.268	0	%100
31	M89A	X	3.168	3.168	0	%100
32	M89A	Z	-5.487	-5.487	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	7.47	7.47	0	%100
38	M50A	Z	-12.938	-12.938	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	5.142	5.142	0	%100
46	M56	Z	-8.905	-8.905	0	%100
47	M57	X	5.142	5.142	0	%100
48	M57	Z	-8.907	-8.907	0	%100
49	M62	X	12.671	12.671	0	%100
50	M62	Z	-21.947	-21.947	0	%100
51	M63	X	9.62	9.62	0	%100
52	M63	Z	-16.662	-16.662	0	%100
53	M65	X	9.97	9.97	0	%100
54	M65	Z	-17.268	-17.268	0	%100
55	M67	X	12.671	12.671	0	%100
56	M67	Z	-21.947	-21.947	0	%100
57	M68	X	9.62	9.62	0	%100
58	M68	Z	-16.662	-16.662	0	%100
59	M70	X	9.97	9.97	0	%100
60	M70	Z	-17.268	-17.268	0	%100
61	M72	X	1.867	1.867	0	%100
62	M72	Z	-3.235	-3.235	0	%100
63	M73A	X	5.854	5.854	0	%100
64	M73A	Z	-10.139	-10.139	0	%100
65	M74A	X	5.854	5.854	0	%100
66	M74A	Z	-10.139	-10.139	0	%100
67	M75A	X	9.445	9.445	0	%100
68	M75A	Z	-16.359	-16.359	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,%]
69	M78A	X	5.142	5.142	0	%100
70	M78A	Z	-8.905	-8.905	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	3.168	3.168	0	%100
74	M84A	Z	-5.487	-5.487	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	3.168	3.168	0	%100
80	M89	Z	-5.487	-5.487	0	%100
81	M90	X	9.62	9.62	0	%100
82	M90	Z	-16.662	-16.662	0	%100
83	M92A	X	9.97	9.97	0	%100
84	M92A	Z	-17.268	-17.268	0	%100
85	MP2A	X	4.985	4.985	0	%100
86	MP2A	Z	-8.634	-8.634	0	%100
87	MP1C	X	4.985	4.985	0	%100
88	MP1C	Z	-8.634	-8.634	0	%100
89	MP4C	X	4.985	4.985	0	%100
90	MP4C	Z	-8.634	-8.634	0	%100
91	MP2C	X	4.985	4.985	0	%100
92	MP2C	Z	-8.634	-8.634	0	%100
93	MP1B	X	4.985	4.985	0	%100
94	MP1B	Z	-8.634	-8.634	0	%100
95	MP4B	X	4.985	4.985	0	%100
96	MP4B	Z	-8.634	-8.634	0	%100
97	MP2B	X	4.985	4.985	0	%100
98	MP2B	Z	-8.634	-8.634	0	%100
99	M94	X	1.521	1.521	0	%100
100	M94	Z	-2.634	-2.634	0	%100
101	M95	X	1.521	1.521	0	%100
102	M95	Z	-2.634	-2.634	0	%100
103	M96	X	6.083	6.083	0	%100
104	M96	Z	-10.536	-10.536	0	%100
105	M98	X	4.076	4.076	0	%100
106	M98	Z	-7.06	-7.06	0	%100
107	M100	X	4.076	4.076	0	%100
108	M100	Z	-7.06	-7.06	0	%100
109	M101	X	4.526	4.526	0	%100
110	M101	Z	-7.839	-7.839	0	%100
111	M108	X	4.526	4.526	0	%100
112	M108	Z	-7.839	-7.839	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	5.937	5.937	0	%100
116	M122	Z	-10.284	-10.284	0	%100
117	M123	X	5.937	5.937	0	%100
118	M123	Z	-10.284	-10.284	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	7.718	7.718	0	%100
122	M125	Z	-13.368	-13.368	0	%100
123	M126	X	7.718	7.718	0	%100
124	M126	Z	-13.368	-13.368	0	%100
125	M127	X	10.15	10.15	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,%]
126	M127	Z	-17.581	-17.581	0	%100
127	MP3C	X	6.034	6.034	0	%100
128	MP3C	Z	-10.452	-10.452	0	%100
129	MP3B	X	6.034	6.034	0	%100
130	MP3B	Z	-10.452	-10.452	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	M20	X	3.071	3.071	0	%100
2	M20	Z	-1.773	-1.773	0	%100
3	M32	X	3.071	3.071	0	%100
4	M32	Z	-1.773	-1.773	0	%100
5	M33A	X	12.285	12.285	0	%100
6	M33A	Z	-7.093	-7.093	0	%100
7	MP1A	X	8.634	8.634	0	%100
8	MP1A	Z	-4.985	-4.985	0	%100
9	MP3A	X	10.452	10.452	0	%100
10	MP3A	Z	-6.034	-6.034	0	%100
11	MP4A	X	8.634	8.634	0	%100
12	MP4A	Z	-4.985	-4.985	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	13.519	13.519	0	%100
16	M73	Z	-7.805	-7.805	0	%100
17	M74	X	13.519	13.519	0	%100
18	M74	Z	-7.805	-7.805	0	%100
19	M75	X	21.812	21.812	0	%100
20	M75	Z	-12.593	-12.593	0	%100
21	M78	X	2.968	2.968	0	%100
22	M78	Z	-1.714	-1.714	0	%100
23	M79	X	2.969	2.969	0	%100
24	M79	Z	-1.714	-1.714	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	5.554	5.554	0	%100
28	M85	Z	-3.207	-3.207	0	%100
29	M87A	X	5.756	5.756	0	%100
30	M87A	Z	-3.323	-3.323	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	5.554	5.554	0	%100
34	M90A	Z	-3.207	-3.207	0	%100
35	M92	X	5.756	5.756	0	%100
36	M92	Z	-3.323	-3.323	0	%100
37	M50A	X	9.704	9.704	0	%100
38	M50A	Z	-5.602	-5.602	0	%100
39	M51A	X	3.38	3.38	0	%100
40	M51A	Z	-1.951	-1.951	0	%100
41	M52	X	3.38	3.38	0	%100
42	M52	Z	-1.951	-1.951	0	%100
43	M53A	X	5.453	5.453	0	%100
44	M53A	Z	-3.148	-3.148	0	%100
45	M56	X	2.968	2.968	0	%100
46	M56	Z	-1.714	-1.714	0	%100
47	M57	X	11.876	11.876	0	%100
48	M57	Z	-6.856	-6.856	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,%]
49	M62	X	16.46	16.46	0	%100
50	M62	Z	-9.503	-9.503	0	%100
51	M63	X	22.216	22.216	0	%100
52	M63	Z	-12.826	-12.826	0	%100
53	M65	X	23.024	23.024	0	%100
54	M65	Z	-13.293	-13.293	0	%100
55	M67	X	16.46	16.46	0	%100
56	M67	Z	-9.503	-9.503	0	%100
57	M68	X	5.554	5.554	0	%100
58	M68	Z	-3.207	-3.207	0	%100
59	M70	X	5.756	5.756	0	%100
60	M70	Z	-3.323	-3.323	0	%100
61	M72	X	9.704	9.704	0	%100
62	M72	Z	-5.602	-5.602	0	%100
63	M73A	X	3.38	3.38	0	%100
64	M73A	Z	-1.951	-1.951	0	%100
65	M74A	X	3.38	3.38	0	%100
66	M74A	Z	-1.951	-1.951	0	%100
67	M75A	X	5.453	5.453	0	%100
68	M75A	Z	-3.148	-3.148	0	%100
69	M78A	X	11.874	11.874	0	%100
70	M78A	Z	-6.855	-6.855	0	%100
71	M79A	X	2.969	2.969	0	%100
72	M79A	Z	-1.714	-1.714	0	%100
73	M84A	X	16.46	16.46	0	%100
74	M84A	Z	-9.503	-9.503	0	%100
75	M85A	X	5.554	5.554	0	%100
76	M85A	Z	-3.207	-3.207	0	%100
77	M87	X	5.756	5.756	0	%100
78	M87	Z	-3.323	-3.323	0	%100
79	M89	X	16.46	16.46	0	%100
80	M89	Z	-9.503	-9.503	0	%100
81	M90	X	22.216	22.216	0	%100
82	M90	Z	-12.826	-12.826	0	%100
83	M92A	X	23.024	23.024	0	%100
84	M92A	Z	-13.293	-13.293	0	%100
85	MP2A	X	8.634	8.634	0	%100
86	MP2A	Z	-4.985	-4.985	0	%100
87	MP1C	X	8.634	8.634	0	%100
88	MP1C	Z	-4.985	-4.985	0	%100
89	MP4C	X	8.634	8.634	0	%100
90	MP4C	Z	-4.985	-4.985	0	%100
91	MP2C	X	8.634	8.634	0	%100
92	MP2C	Z	-4.985	-4.985	0	%100
93	MP1B	X	8.634	8.634	0	%100
94	MP1B	Z	-4.985	-4.985	0	%100
95	MP4B	X	8.634	8.634	0	%100
96	MP4B	Z	-4.985	-4.985	0	%100
97	MP2B	X	8.634	8.634	0	%100
98	MP2B	Z	-4.985	-4.985	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	7.902	7.902	0	%100
102	M95	Z	-4.562	-4.562	0	%100
103	M96	X	7.902	7.902	0	%100
104	M96	Z	-4.562	-4.562	0	%100
105	M98	X	7.06	7.06	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,%]
106	M98	Z	-4.076	-4.076	0	%100
107	M100	X	7.06	7.06	0	%100
108	M100	Z	-4.076	-4.076	0	%100
109	M101	X	2.613	2.613	0	%100
110	M101	Z	-1.509	-1.509	0	%100
111	M108	X	10.452	10.452	0	%100
112	M108	Z	-6.034	-6.034	0	%100
113	M115	X	2.613	2.613	0	%100
114	M115	Z	-1.509	-1.509	0	%100
115	M122	X	13.712	13.712	0	%100
116	M122	Z	-7.916	-7.916	0	%100
117	M123	X	3.428	3.428	0	%100
118	M123	Z	-1.979	-1.979	0	%100
119	M124	X	3.428	3.428	0	%100
120	M124	Z	-1.979	-1.979	0	%100
121	M125	X	16.177	16.177	0	%100
122	M125	Z	-9.34	-9.34	0	%100
123	M126	X	11.964	11.964	0	%100
124	M126	Z	-6.907	-6.907	0	%100
125	M127	X	16.177	16.177	0	%100
126	M127	Z	-9.34	-9.34	0	%100
127	MP3C	X	10.452	10.452	0	%100
128	MP3C	Z	-6.034	-6.034	0	%100
129	MP3B	X	10.452	10.452	0	%100
130	MP3B	Z	-6.034	-6.034	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	M20	X	10.639	10.639	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	10.639	10.639	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	9.97	9.97	0	%100
8	MP1A	Z	0	0	0	%100
9	MP3A	X	12.068	12.068	0	%100
10	MP3A	Z	0	0	0	%100
11	MP4A	X	9.97	9.97	0	%100
12	MP4A	Z	0	0	0	%100
13	M72A	X	3.735	3.735	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	11.708	11.708	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	11.708	11.708	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	18.89	18.89	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	10.283	10.283	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
25	M84	X	6.335	6.335	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0	0	%100
28	M85	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,%]
29	M87A	X	0	0	0	%100
30	M87A	Z	0	0	0	%100
31	M89A	X	6.335	6.335	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	19.24	19.24	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	19.939	19.939	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	3.735	3.735	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	11.708	11.708	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	11.708	11.708	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	18.89	18.89	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	10.285	10.285	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	6.335	6.335	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	19.24	19.24	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	19.939	19.939	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	6.335	6.335	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M72	X	14.94	14.94	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	10.283	10.283	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	10.284	10.284	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	25.342	25.342	0	%100
74	M84A	Z	0	0	0	%100
75	M85A	X	19.24	19.24	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	19.939	19.939	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	25.342	25.342	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	19.24	19.24	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	19.939	19.939	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	9.97	9.97	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,%]
86	MP2A	Z	0	0	0	%100
87	MP1C	X	9.97	9.97	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	9.97	9.97	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	9.97	9.97	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1B	X	9.97	9.97	0	%100
94	MP1B	Z	0	0	0	%100
95	MP4B	X	9.97	9.97	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	9.97	9.97	0	%100
98	MP2B	Z	0	0	0	%100
99	M94	X	3.041	3.041	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	12.166	12.166	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	3.041	3.041	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	8.153	8.153	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	8.153	8.153	0	%100
108	M100	Z	0	0	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	9.051	9.051	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	9.051	9.051	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	11.875	11.875	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	11.875	11.875	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	20.301	20.301	0	%100
122	M125	Z	0	0	0	%100
123	M126	X	15.436	15.436	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	15.436	15.436	0	%100
126	M127	Z	0	0	0	%100
127	MP3C	X	12.068	12.068	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	12.068	12.068	0	%100
130	MP3B	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	M20	X	12.285	12.285	0	%100
2	M20	Z	7.093	7.093	0	%100
3	M32	X	3.071	3.071	0	%100
4	M32	Z	1.773	1.773	0	%100
5	M33A	X	3.071	3.071	0	%100
6	M33A	Z	1.773	1.773	0	%100
7	MP1A	X	8.634	8.634	0	%100
8	MP1A	Z	4.985	4.985	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,%]
9	MP3A	X	10.452	10.452	0	%100
10	MP3A	Z	6.034	6.034	0	%100
11	MP4A	X	8.634	8.634	0	%100
12	MP4A	Z	4.985	4.985	0	%100
13	M72A	X	9.704	9.704	0	%100
14	M72A	Z	5.602	5.602	0	%100
15	M73	X	3.38	3.38	0	%100
16	M73	Z	1.951	1.951	0	%100
17	M74	X	3.38	3.38	0	%100
18	M74	Z	1.951	1.951	0	%100
19	M75	X	5.453	5.453	0	%100
20	M75	Z	3.148	3.148	0	%100
21	M78	X	11.874	11.874	0	%100
22	M78	Z	6.855	6.855	0	%100
23	M79	X	2.969	2.969	0	%100
24	M79	Z	1.714	1.714	0	%100
25	M84	X	16.46	16.46	0	%100
26	M84	Z	9.503	9.503	0	%100
27	M85	X	5.554	5.554	0	%100
28	M85	Z	3.207	3.207	0	%100
29	M87A	X	5.756	5.756	0	%100
30	M87A	Z	3.323	3.323	0	%100
31	M89A	X	16.46	16.46	0	%100
32	M89A	Z	9.503	9.503	0	%100
33	M90A	X	22.216	22.216	0	%100
34	M90A	Z	12.826	12.826	0	%100
35	M92	X	23.024	23.024	0	%100
36	M92	Z	13.293	13.293	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	13.519	13.519	0	%100
40	M51A	Z	7.805	7.805	0	%100
41	M52	X	13.519	13.519	0	%100
42	M52	Z	7.805	7.805	0	%100
43	M53A	X	21.812	21.812	0	%100
44	M53A	Z	12.593	12.593	0	%100
45	M56	X	2.968	2.968	0	%100
46	M56	Z	1.714	1.714	0	%100
47	M57	X	2.969	2.969	0	%100
48	M57	Z	1.714	1.714	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	5.554	5.554	0	%100
52	M63	Z	3.207	3.207	0	%100
53	M65	X	5.756	5.756	0	%100
54	M65	Z	3.323	3.323	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	5.554	5.554	0	%100
58	M68	Z	3.207	3.207	0	%100
59	M70	X	5.756	5.756	0	%100
60	M70	Z	3.323	3.323	0	%100
61	M72	X	9.704	9.704	0	%100
62	M72	Z	5.602	5.602	0	%100
63	M73A	X	3.38	3.38	0	%100
64	M73A	Z	1.951	1.951	0	%100
65	M74A	X	3.38	3.38	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,%]
66	M74A	Z	1.951	1.951	0	%100
67	M75A	X	5.453	5.453	0	%100
68	M75A	Z	3.148	3.148	0	%100
69	M78A	X	2.968	2.968	0	%100
70	M78A	Z	1.714	1.714	0	%100
71	M79A	X	11.876	11.876	0	%100
72	M79A	Z	6.856	6.856	0	%100
73	M84A	X	16.46	16.46	0	%100
74	M84A	Z	9.503	9.503	0	%100
75	M85A	X	22.216	22.216	0	%100
76	M85A	Z	12.826	12.826	0	%100
77	M87	X	23.024	23.024	0	%100
78	M87	Z	13.293	13.293	0	%100
79	M89	X	16.46	16.46	0	%100
80	M89	Z	9.503	9.503	0	%100
81	M90	X	5.554	5.554	0	%100
82	M90	Z	3.207	3.207	0	%100
83	M92A	X	5.756	5.756	0	%100
84	M92A	Z	3.323	3.323	0	%100
85	MP2A	X	8.634	8.634	0	%100
86	MP2A	Z	4.985	4.985	0	%100
87	MP1C	X	8.634	8.634	0	%100
88	MP1C	Z	4.985	4.985	0	%100
89	MP4C	X	8.634	8.634	0	%100
90	MP4C	Z	4.985	4.985	0	%100
91	MP2C	X	8.634	8.634	0	%100
92	MP2C	Z	4.985	4.985	0	%100
93	MP1B	X	8.634	8.634	0	%100
94	MP1B	Z	4.985	4.985	0	%100
95	MP4B	X	8.634	8.634	0	%100
96	MP4B	Z	4.985	4.985	0	%100
97	MP2B	X	8.634	8.634	0	%100
98	MP2B	Z	4.985	4.985	0	%100
99	M94	X	7.902	7.902	0	%100
100	M94	Z	4.562	4.562	0	%100
101	M95	X	7.902	7.902	0	%100
102	M95	Z	4.562	4.562	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	7.06	7.06	0	%100
106	M98	Z	4.076	4.076	0	%100
107	M100	X	7.06	7.06	0	%100
108	M100	Z	4.076	4.076	0	%100
109	M101	X	2.613	2.613	0	%100
110	M101	Z	1.509	1.509	0	%100
111	M108	X	2.613	2.613	0	%100
112	M108	Z	1.509	1.509	0	%100
113	M115	X	10.452	10.452	0	%100
114	M115	Z	6.034	6.034	0	%100
115	M122	X	3.428	3.428	0	%100
116	M122	Z	1.979	1.979	0	%100
117	M123	X	3.428	3.428	0	%100
118	M123	Z	1.979	1.979	0	%100
119	M124	X	13.712	13.712	0	%100
120	M124	Z	7.916	7.916	0	%100
121	M125	X	16.177	16.177	0	%100
122	M125	Z	9.34	9.34	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,%]
123	M126	X	16.177	16.177	0	%100
124	M126	Z	9.34	9.34	0	%100
125	M127	X	11.964	11.964	0	%100
126	M127	Z	6.907	6.907	0	%100
127	MP3C	X	10.452	10.452	0	%100
128	MP3C	Z	6.034	6.034	0	%100
129	MP3B	X	10.452	10.452	0	%100
130	MP3B	Z	6.034	6.034	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	M20	X	5.32	5.32	0	%100
2	M20	Z	9.214	9.214	0	%100
3	M32	X	5.32	5.32	0	%100
4	M32	Z	9.214	9.214	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	4.985	4.985	0	%100
8	MP1A	Z	8.634	8.634	0	%100
9	MP3A	X	6.034	6.034	0	%100
10	MP3A	Z	10.452	10.452	0	%100
11	MP4A	X	4.985	4.985	0	%100
12	MP4A	Z	8.634	8.634	0	%100
13	M72A	X	7.47	7.47	0	%100
14	M72A	Z	12.938	12.938	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	5.142	5.142	0	%100
22	M78	Z	8.905	8.905	0	%100
23	M79	X	5.142	5.142	0	%100
24	M79	Z	8.907	8.907	0	%100
25	M84	X	12.671	12.671	0	%100
26	M84	Z	21.947	21.947	0	%100
27	M85	X	9.62	9.62	0	%100
28	M85	Z	16.662	16.662	0	%100
29	M87A	X	9.97	9.97	0	%100
30	M87A	Z	17.268	17.268	0	%100
31	M89A	X	12.671	12.671	0	%100
32	M89A	Z	21.947	21.947	0	%100
33	M90A	X	9.62	9.62	0	%100
34	M90A	Z	16.662	16.662	0	%100
35	M92	X	9.97	9.97	0	%100
36	M92	Z	17.268	17.268	0	%100
37	M50A	X	1.867	1.867	0	%100
38	M50A	Z	3.235	3.235	0	%100
39	M51A	X	5.854	5.854	0	%100
40	M51A	Z	10.139	10.139	0	%100
41	M52	X	5.854	5.854	0	%100
42	M52	Z	10.139	10.139	0	%100
43	M53A	X	9.445	9.445	0	%100
44	M53A	Z	16.359	16.359	0	%100
45	M56	X	5.142	5.142	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,%]
46	M56	Z	8.905	8.905	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	3.168	3.168	0	%100
50	M62	Z	5.487	5.487	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	3.168	3.168	0	%100
56	M67	Z	5.487	5.487	0	%100
57	M68	X	9.62	9.62	0	%100
58	M68	Z	16.662	16.662	0	%100
59	M70	X	9.97	9.97	0	%100
60	M70	Z	17.268	17.268	0	%100
61	M72	X	1.867	1.867	0	%100
62	M72	Z	3.235	3.235	0	%100
63	M73A	X	5.854	5.854	0	%100
64	M73A	Z	10.139	10.139	0	%100
65	M74A	X	5.854	5.854	0	%100
66	M74A	Z	10.139	10.139	0	%100
67	M75A	X	9.445	9.445	0	%100
68	M75A	Z	16.359	16.359	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	5.142	5.142	0	%100
72	M79A	Z	8.907	8.907	0	%100
73	M84A	X	3.168	3.168	0	%100
74	M84A	Z	5.487	5.487	0	%100
75	M85A	X	9.62	9.62	0	%100
76	M85A	Z	16.662	16.662	0	%100
77	M87	X	9.97	9.97	0	%100
78	M87	Z	17.268	17.268	0	%100
79	M89	X	3.168	3.168	0	%100
80	M89	Z	5.487	5.487	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	4.985	4.985	0	%100
86	MP2A	Z	8.634	8.634	0	%100
87	MP1C	X	4.985	4.985	0	%100
88	MP1C	Z	8.634	8.634	0	%100
89	MP4C	X	4.985	4.985	0	%100
90	MP4C	Z	8.634	8.634	0	%100
91	MP2C	X	4.985	4.985	0	%100
92	MP2C	Z	8.634	8.634	0	%100
93	MP1B	X	4.985	4.985	0	%100
94	MP1B	Z	8.634	8.634	0	%100
95	MP4B	X	4.985	4.985	0	%100
96	MP4B	Z	8.634	8.634	0	%100
97	MP2B	X	4.985	4.985	0	%100
98	MP2B	Z	8.634	8.634	0	%100
99	M94	X	6.083	6.083	0	%100
100	M94	Z	10.536	10.536	0	%100
101	M95	X	1.521	1.521	0	%100
102	M95	Z	2.634	2.634	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,%]
103	M96	X	1.521	1.521	0	%100
104	M96	Z	2.634	2.634	0	%100
105	M98	X	4.076	4.076	0	%100
106	M98	Z	7.06	7.06	0	%100
107	M100	X	4.076	4.076	0	%100
108	M100	Z	7.06	7.06	0	%100
109	M101	X	4.526	4.526	0	%100
110	M101	Z	7.839	7.839	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	4.526	4.526	0	%100
114	M115	Z	7.839	7.839	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	5.937	5.937	0	%100
118	M123	Z	10.284	10.284	0	%100
119	M124	X	5.937	5.937	0	%100
120	M124	Z	10.284	10.284	0	%100
121	M125	X	7.718	7.718	0	%100
122	M125	Z	13.368	13.368	0	%100
123	M126	X	10.15	10.15	0	%100
124	M126	Z	17.581	17.581	0	%100
125	M127	X	7.718	7.718	0	%100
126	M127	Z	13.368	13.368	0	%100
127	MP3C	X	6.034	6.034	0	%100
128	MP3C	Z	10.452	10.452	0	%100
129	MP3B	X	6.034	6.034	0	%100
130	MP3B	Z	10.452	10.452	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	M20	X	0	0	0	%100
2	M20	Z	3.546	3.546	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	14.186	14.186	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	3.546	3.546	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	9.97	9.97	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	12.068	12.068	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	9.97	9.97	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	11.205	11.205	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	3.903	3.903	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	3.903	3.903	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	6.297	6.297	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	3.428	3.428	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	13.713	13.713	0	%100
25	M84	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,%]
26	M84	Z	19.006	19.006	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	25.653	25.653	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	26.586	26.586	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	19.006	19.006	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	6.413	6.413	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	6.646	6.646	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	11.205	11.205	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	3.903	3.903	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	3.903	3.903	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	6.297	6.297	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	13.711	13.711	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	3.428	3.428	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	19.006	19.006	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	6.413	6.413	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	6.646	6.646	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	19.006	19.006	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	25.653	25.653	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	26.586	26.586	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	15.61	15.61	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	15.61	15.61	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	25.186	25.186	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	3.428	3.428	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	3.428	3.428	0	%100
73	M84A	X	0	0	0	%100
74	M84A	Z	0	0	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	6.413	6.413	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	6.646	6.646	0	%100
79	M89	X	0	0	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	6.413	6.413	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,%]
83	M92A	X	0	0	0	%100
84	M92A	Z	6.646	6.646	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	9.97	9.97	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	9.97	9.97	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	9.97	9.97	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	9.97	9.97	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	9.97	9.97	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	9.97	9.97	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	9.97	9.97	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	9.124	9.124	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	9.124	9.124	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	8.153	8.153	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	8.153	8.153	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	12.068	12.068	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	3.017	3.017	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	3.017	3.017	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	3.958	3.958	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	15.833	15.833	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	3.958	3.958	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	13.815	13.815	0	%100
123	M126	X	0	0	0	%100
124	M126	Z	18.679	18.679	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	18.679	18.679	0	%100
127	MP3C	X	0	0	0	%100
128	MP3C	Z	12.068	12.068	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	12.068	12.068	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	-5.32	-5.32	0	%100
4	M32	Z	9.214	9.214	0	%100
5	M33A	X	-5.32	-5.32	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,%]
6	M33A	Z	9.214	9.214	0	%100
7	MP1A	X	-4.985	-4.985	0	%100
8	MP1A	Z	8.634	8.634	0	%100
9	MP3A	X	-6.034	-6.034	0	%100
10	MP3A	Z	10.452	10.452	0	%100
11	MP4A	X	-4.985	-4.985	0	%100
12	MP4A	Z	8.634	8.634	0	%100
13	M72A	X	-1.867	-1.867	0	%100
14	M72A	Z	3.235	3.235	0	%100
15	M73	X	-5.854	-5.854	0	%100
16	M73	Z	10.139	10.139	0	%100
17	M74	X	-5.854	-5.854	0	%100
18	M74	Z	10.139	10.139	0	%100
19	M75	X	-9.445	-9.445	0	%100
20	M75	Z	16.359	16.359	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	-5.142	-5.142	0	%100
24	M79	Z	8.907	8.907	0	%100
25	M84	X	-3.168	-3.168	0	%100
26	M84	Z	5.487	5.487	0	%100
27	M85	X	-9.62	-9.62	0	%100
28	M85	Z	16.662	16.662	0	%100
29	M87A	X	-9.97	-9.97	0	%100
30	M87A	Z	17.268	17.268	0	%100
31	M89A	X	-3.168	-3.168	0	%100
32	M89A	Z	5.487	5.487	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	-7.47	-7.47	0	%100
38	M50A	Z	12.938	12.938	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	-5.142	-5.142	0	%100
46	M56	Z	8.905	8.905	0	%100
47	M57	X	-5.142	-5.142	0	%100
48	M57	Z	8.907	8.907	0	%100
49	M62	X	-12.671	-12.671	0	%100
50	M62	Z	21.947	21.947	0	%100
51	M63	X	-9.62	-9.62	0	%100
52	M63	Z	16.662	16.662	0	%100
53	M65	X	-9.97	-9.97	0	%100
54	M65	Z	17.268	17.268	0	%100
55	M67	X	-12.671	-12.671	0	%100
56	M67	Z	21.947	21.947	0	%100
57	M68	X	-9.62	-9.62	0	%100
58	M68	Z	16.662	16.662	0	%100
59	M70	X	-9.97	-9.97	0	%100
60	M70	Z	17.268	17.268	0	%100
61	M72	X	-1.867	-1.867	0	%100
62	M72	Z	3.235	3.235	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,%]
63	M73A	X	-5.854	-5.854	0	%100
64	M73A	Z	10.139	10.139	0	%100
65	M74A	X	-5.854	-5.854	0	%100
66	M74A	Z	10.139	10.139	0	%100
67	M75A	X	-9.445	-9.445	0	%100
68	M75A	Z	16.359	16.359	0	%100
69	M78A	X	-5.142	-5.142	0	%100
70	M78A	Z	8.905	8.905	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	-3.168	-3.168	0	%100
74	M84A	Z	5.487	5.487	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-3.168	-3.168	0	%100
80	M89	Z	5.487	5.487	0	%100
81	M90	X	-9.62	-9.62	0	%100
82	M90	Z	16.662	16.662	0	%100
83	M92A	X	-9.97	-9.97	0	%100
84	M92A	Z	17.268	17.268	0	%100
85	MP2A	X	-4.985	-4.985	0	%100
86	MP2A	Z	8.634	8.634	0	%100
87	MP1C	X	-4.985	-4.985	0	%100
88	MP1C	Z	8.634	8.634	0	%100
89	MP4C	X	-4.985	-4.985	0	%100
90	MP4C	Z	8.634	8.634	0	%100
91	MP2C	X	-4.985	-4.985	0	%100
92	MP2C	Z	8.634	8.634	0	%100
93	MP1B	X	-4.985	-4.985	0	%100
94	MP1B	Z	8.634	8.634	0	%100
95	MP4B	X	-4.985	-4.985	0	%100
96	MP4B	Z	8.634	8.634	0	%100
97	MP2B	X	-4.985	-4.985	0	%100
98	MP2B	Z	8.634	8.634	0	%100
99	M94	X	-1.521	-1.521	0	%100
100	M94	Z	2.634	2.634	0	%100
101	M95	X	-1.521	-1.521	0	%100
102	M95	Z	2.634	2.634	0	%100
103	M96	X	-6.083	-6.083	0	%100
104	M96	Z	10.536	10.536	0	%100
105	M98	X	-4.076	-4.076	0	%100
106	M98	Z	7.06	7.06	0	%100
107	M100	X	-4.076	-4.076	0	%100
108	M100	Z	7.06	7.06	0	%100
109	M101	X	-4.526	-4.526	0	%100
110	M101	Z	7.839	7.839	0	%100
111	M108	X	-4.526	-4.526	0	%100
112	M108	Z	7.839	7.839	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	-5.937	-5.937	0	%100
116	M122	Z	10.284	10.284	0	%100
117	M123	X	-5.937	-5.937	0	%100
118	M123	Z	10.284	10.284	0	%100
119	M124	X	0	0	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,%]
120	M124	Z	0	0	0	%100
121	M125	X	-7.718	-7.718	0	%100
122	M125	Z	13.368	13.368	0	%100
123	M126	X	-7.718	-7.718	0	%100
124	M126	Z	13.368	13.368	0	%100
125	M127	X	-10.15	-10.15	0	%100
126	M127	Z	17.581	17.581	0	%100
127	MP3C	X	-6.034	-6.034	0	%100
128	MP3C	Z	10.452	10.452	0	%100
129	MP3B	X	-6.034	-6.034	0	%100
130	MP3B	Z	10.452	10.452	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	M20	X	-3.071	-3.071	0	%100
2	M20	Z	1.773	1.773	0	%100
3	M32	X	-3.071	-3.071	0	%100
4	M32	Z	1.773	1.773	0	%100
5	M33A	X	-12.285	-12.285	0	%100
6	M33A	Z	7.093	7.093	0	%100
7	MP1A	X	-8.634	-8.634	0	%100
8	MP1A	Z	4.985	4.985	0	%100
9	MP3A	X	-10.452	-10.452	0	%100
10	MP3A	Z	6.034	6.034	0	%100
11	MP4A	X	-8.634	-8.634	0	%100
12	MP4A	Z	4.985	4.985	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-13.519	-13.519	0	%100
16	M73	Z	7.805	7.805	0	%100
17	M74	X	-13.519	-13.519	0	%100
18	M74	Z	7.805	7.805	0	%100
19	M75	X	-21.812	-21.812	0	%100
20	M75	Z	12.593	12.593	0	%100
21	M78	X	-2.968	-2.968	0	%100
22	M78	Z	1.714	1.714	0	%100
23	M79	X	-2.969	-2.969	0	%100
24	M79	Z	1.714	1.714	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	-5.554	-5.554	0	%100
28	M85	Z	3.207	3.207	0	%100
29	M87A	X	-5.756	-5.756	0	%100
30	M87A	Z	3.323	3.323	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	-5.554	-5.554	0	%100
34	M90A	Z	3.207	3.207	0	%100
35	M92	X	-5.756	-5.756	0	%100
36	M92	Z	3.323	3.323	0	%100
37	M50A	X	-9.704	-9.704	0	%100
38	M50A	Z	5.602	5.602	0	%100
39	M51A	X	-3.38	-3.38	0	%100
40	M51A	Z	1.951	1.951	0	%100
41	M52	X	-3.38	-3.38	0	%100
42	M52	Z	1.951	1.951	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,%]
43	M53A	X	-5.453	-5.453	0	%100
44	M53A	Z	3.148	3.148	0	%100
45	M56	X	-2.968	-2.968	0	%100
46	M56	Z	1.714	1.714	0	%100
47	M57	X	-11.876	-11.876	0	%100
48	M57	Z	6.856	6.856	0	%100
49	M62	X	-16.46	-16.46	0	%100
50	M62	Z	9.503	9.503	0	%100
51	M63	X	-22.216	-22.216	0	%100
52	M63	Z	12.826	12.826	0	%100
53	M65	X	-23.024	-23.024	0	%100
54	M65	Z	13.293	13.293	0	%100
55	M67	X	-16.46	-16.46	0	%100
56	M67	Z	9.503	9.503	0	%100
57	M68	X	-5.554	-5.554	0	%100
58	M68	Z	3.207	3.207	0	%100
59	M70	X	-5.756	-5.756	0	%100
60	M70	Z	3.323	3.323	0	%100
61	M72	X	-9.704	-9.704	0	%100
62	M72	Z	5.602	5.602	0	%100
63	M73A	X	-3.38	-3.38	0	%100
64	M73A	Z	1.951	1.951	0	%100
65	M74A	X	-3.38	-3.38	0	%100
66	M74A	Z	1.951	1.951	0	%100
67	M75A	X	-5.453	-5.453	0	%100
68	M75A	Z	3.148	3.148	0	%100
69	M78A	X	-11.874	-11.874	0	%100
70	M78A	Z	6.855	6.855	0	%100
71	M79A	X	-2.969	-2.969	0	%100
72	M79A	Z	1.714	1.714	0	%100
73	M84A	X	-16.46	-16.46	0	%100
74	M84A	Z	9.503	9.503	0	%100
75	M85A	X	-5.554	-5.554	0	%100
76	M85A	Z	3.207	3.207	0	%100
77	M87	X	-5.756	-5.756	0	%100
78	M87	Z	3.323	3.323	0	%100
79	M89	X	-16.46	-16.46	0	%100
80	M89	Z	9.503	9.503	0	%100
81	M90	X	-22.216	-22.216	0	%100
82	M90	Z	12.826	12.826	0	%100
83	M92A	X	-23.024	-23.024	0	%100
84	M92A	Z	13.293	13.293	0	%100
85	MP2A	X	-8.634	-8.634	0	%100
86	MP2A	Z	4.985	4.985	0	%100
87	MP1C	X	-8.634	-8.634	0	%100
88	MP1C	Z	4.985	4.985	0	%100
89	MP4C	X	-8.634	-8.634	0	%100
90	MP4C	Z	4.985	4.985	0	%100
91	MP2C	X	-8.634	-8.634	0	%100
92	MP2C	Z	4.985	4.985	0	%100
93	MP1B	X	-8.634	-8.634	0	%100
94	MP1B	Z	4.985	4.985	0	%100
95	MP4B	X	-8.634	-8.634	0	%100
96	MP4B	Z	4.985	4.985	0	%100
97	MP2B	X	-8.634	-8.634	0	%100
98	MP2B	Z	4.985	4.985	0	%100
99	M94	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,%]
100	M94	Z	0	0	0	%100
101	M95	X	-7.902	-7.902	0	%100
102	M95	Z	4.562	4.562	0	%100
103	M96	X	-7.902	-7.902	0	%100
104	M96	Z	4.562	4.562	0	%100
105	M98	X	-7.06	-7.06	0	%100
106	M98	Z	4.076	4.076	0	%100
107	M100	X	-7.06	-7.06	0	%100
108	M100	Z	4.076	4.076	0	%100
109	M101	X	-2.613	-2.613	0	%100
110	M101	Z	1.509	1.509	0	%100
111	M108	X	-10.452	-10.452	0	%100
112	M108	Z	6.034	6.034	0	%100
113	M115	X	-2.613	-2.613	0	%100
114	M115	Z	1.509	1.509	0	%100
115	M122	X	-13.712	-13.712	0	%100
116	M122	Z	7.916	7.916	0	%100
117	M123	X	-3.428	-3.428	0	%100
118	M123	Z	1.979	1.979	0	%100
119	M124	X	-3.428	-3.428	0	%100
120	M124	Z	1.979	1.979	0	%100
121	M125	X	-16.177	-16.177	0	%100
122	M125	Z	9.34	9.34	0	%100
123	M126	X	-11.964	-11.964	0	%100
124	M126	Z	6.907	6.907	0	%100
125	M127	X	-16.177	-16.177	0	%100
126	M127	Z	9.34	9.34	0	%100
127	MP3C	X	-10.452	-10.452	0	%100
128	MP3C	Z	6.034	6.034	0	%100
129	MP3B	X	-10.452	-10.452	0	%100
130	MP3B	Z	6.034	6.034	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	M20	X	-10.639	-10.639	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	-10.639	-10.639	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-9.97	-9.97	0	%100
8	MP1A	Z	0	0	0	%100
9	MP3A	X	-12.068	-12.068	0	%100
10	MP3A	Z	0	0	0	%100
11	MP4A	X	-9.97	-9.97	0	%100
12	MP4A	Z	0	0	0	%100
13	M72A	X	-3.735	-3.735	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-11.708	-11.708	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	-11.708	-11.708	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	-18.89	-18.89	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	-10.283	-10.283	0	%100
22	M78	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,%]
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
25	M84	X	-6.335	-6.335	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	0	0	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	0	0	0	%100
31	M89A	X	-6.335	-6.335	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	-19.24	-19.24	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	-19.939	-19.939	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	-3.735	-3.735	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	-11.708	-11.708	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	-11.708	-11.708	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	-18.89	-18.89	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-10.285	-10.285	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	-6.335	-6.335	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-19.24	-19.24	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	-19.939	-19.939	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	-6.335	-6.335	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M72	X	-14.94	-14.94	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	-10.283	-10.283	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	-10.284	-10.284	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	-25.342	-25.342	0	%100
74	M84A	Z	0	0	0	%100
75	M85A	X	-19.24	-19.24	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	-19.939	-19.939	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-25.342	-25.342	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,%]
80	M89	Z	0	0	0	%100
81	M90	X	-19.24	-19.24	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	-19.939	-19.939	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	-9.97	-9.97	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	-9.97	-9.97	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	-9.97	-9.97	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-9.97	-9.97	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1B	X	-9.97	-9.97	0	%100
94	MP1B	Z	0	0	0	%100
95	MP4B	X	-9.97	-9.97	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	-9.97	-9.97	0	%100
98	MP2B	Z	0	0	0	%100
99	M94	X	-3.041	-3.041	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	-12.166	-12.166	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	-3.041	-3.041	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-8.153	-8.153	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	-8.153	-8.153	0	%100
108	M100	Z	0	0	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	-9.051	-9.051	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-9.051	-9.051	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	-11.875	-11.875	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-11.875	-11.875	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-20.301	-20.301	0	%100
122	M125	Z	0	0	0	%100
123	M126	X	-15.436	-15.436	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	-15.436	-15.436	0	%100
126	M127	Z	0	0	0	%100
127	MP3C	X	-12.068	-12.068	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	-12.068	-12.068	0	%100
130	MP3B	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	M20	X	-12.285	-12.285	0	%100
2	M20	Z	-7.093	-7.093	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,%]
3	M32	X	-3.071	-3.071	0	%100
4	M32	Z	-1.773	-1.773	0	%100
5	M33A	X	-3.071	-3.071	0	%100
6	M33A	Z	-1.773	-1.773	0	%100
7	MP1A	X	-8.634	-8.634	0	%100
8	MP1A	Z	-4.985	-4.985	0	%100
9	MP3A	X	-10.452	-10.452	0	%100
10	MP3A	Z	-6.034	-6.034	0	%100
11	MP4A	X	-8.634	-8.634	0	%100
12	MP4A	Z	-4.985	-4.985	0	%100
13	M72A	X	-9.704	-9.704	0	%100
14	M72A	Z	-5.602	-5.602	0	%100
15	M73	X	-3.38	-3.38	0	%100
16	M73	Z	-1.951	-1.951	0	%100
17	M74	X	-3.38	-3.38	0	%100
18	M74	Z	-1.951	-1.951	0	%100
19	M75	X	-5.453	-5.453	0	%100
20	M75	Z	-3.148	-3.148	0	%100
21	M78	X	-11.874	-11.874	0	%100
22	M78	Z	-6.855	-6.855	0	%100
23	M79	X	-2.969	-2.969	0	%100
24	M79	Z	-1.714	-1.714	0	%100
25	M84	X	-16.46	-16.46	0	%100
26	M84	Z	-9.503	-9.503	0	%100
27	M85	X	-5.554	-5.554	0	%100
28	M85	Z	-3.207	-3.207	0	%100
29	M87A	X	-5.756	-5.756	0	%100
30	M87A	Z	-3.323	-3.323	0	%100
31	M89A	X	-16.46	-16.46	0	%100
32	M89A	Z	-9.503	-9.503	0	%100
33	M90A	X	-22.216	-22.216	0	%100
34	M90A	Z	-12.826	-12.826	0	%100
35	M92	X	-23.024	-23.024	0	%100
36	M92	Z	-13.293	-13.293	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	-13.519	-13.519	0	%100
40	M51A	Z	-7.805	-7.805	0	%100
41	M52	X	-13.519	-13.519	0	%100
42	M52	Z	-7.805	-7.805	0	%100
43	M53A	X	-21.812	-21.812	0	%100
44	M53A	Z	-12.593	-12.593	0	%100
45	M56	X	-2.968	-2.968	0	%100
46	M56	Z	-1.714	-1.714	0	%100
47	M57	X	-2.969	-2.969	0	%100
48	M57	Z	-1.714	-1.714	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-5.554	-5.554	0	%100
52	M63	Z	-3.207	-3.207	0	%100
53	M65	X	-5.756	-5.756	0	%100
54	M65	Z	-3.323	-3.323	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-5.554	-5.554	0	%100
58	M68	Z	-3.207	-3.207	0	%100
59	M70	X	-5.756	-5.756	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,%]
60	M70	Z	-3.323	-3.323	0	%100
61	M72	X	-9.704	-9.704	0	%100
62	M72	Z	-5.602	-5.602	0	%100
63	M73A	X	-3.38	-3.38	0	%100
64	M73A	Z	-1.951	-1.951	0	%100
65	M74A	X	-3.38	-3.38	0	%100
66	M74A	Z	-1.951	-1.951	0	%100
67	M75A	X	-5.453	-5.453	0	%100
68	M75A	Z	-3.148	-3.148	0	%100
69	M78A	X	-2.968	-2.968	0	%100
70	M78A	Z	-1.714	-1.714	0	%100
71	M79A	X	-11.876	-11.876	0	%100
72	M79A	Z	-6.856	-6.856	0	%100
73	M84A	X	-16.46	-16.46	0	%100
74	M84A	Z	-9.503	-9.503	0	%100
75	M85A	X	-22.216	-22.216	0	%100
76	M85A	Z	-12.826	-12.826	0	%100
77	M87	X	-23.024	-23.024	0	%100
78	M87	Z	-13.293	-13.293	0	%100
79	M89	X	-16.46	-16.46	0	%100
80	M89	Z	-9.503	-9.503	0	%100
81	M90	X	-5.554	-5.554	0	%100
82	M90	Z	-3.207	-3.207	0	%100
83	M92A	X	-5.756	-5.756	0	%100
84	M92A	Z	-3.323	-3.323	0	%100
85	MP2A	X	-8.634	-8.634	0	%100
86	MP2A	Z	-4.985	-4.985	0	%100
87	MP1C	X	-8.634	-8.634	0	%100
88	MP1C	Z	-4.985	-4.985	0	%100
89	MP4C	X	-8.634	-8.634	0	%100
90	MP4C	Z	-4.985	-4.985	0	%100
91	MP2C	X	-8.634	-8.634	0	%100
92	MP2C	Z	-4.985	-4.985	0	%100
93	MP1B	X	-8.634	-8.634	0	%100
94	MP1B	Z	-4.985	-4.985	0	%100
95	MP4B	X	-8.634	-8.634	0	%100
96	MP4B	Z	-4.985	-4.985	0	%100
97	MP2B	X	-8.634	-8.634	0	%100
98	MP2B	Z	-4.985	-4.985	0	%100
99	M94	X	-7.902	-7.902	0	%100
100	M94	Z	-4.562	-4.562	0	%100
101	M95	X	-7.902	-7.902	0	%100
102	M95	Z	-4.562	-4.562	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-7.06	-7.06	0	%100
106	M98	Z	-4.076	-4.076	0	%100
107	M100	X	-7.06	-7.06	0	%100
108	M100	Z	-4.076	-4.076	0	%100
109	M101	X	-2.613	-2.613	0	%100
110	M101	Z	-1.509	-1.509	0	%100
111	M108	X	-2.613	-2.613	0	%100
112	M108	Z	-1.509	-1.509	0	%100
113	M115	X	-10.452	-10.452	0	%100
114	M115	Z	-6.034	-6.034	0	%100
115	M122	X	-3.428	-3.428	0	%100
116	M122	Z	-1.979	-1.979	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,%]
117	M123	X	-3.428	-3.428	0	%100
118	M123	Z	-1.979	-1.979	0	%100
119	M124	X	-13.712	-13.712	0	%100
120	M124	Z	-7.916	-7.916	0	%100
121	M125	X	-16.177	-16.177	0	%100
122	M125	Z	-9.34	-9.34	0	%100
123	M126	X	-16.177	-16.177	0	%100
124	M126	Z	-9.34	-9.34	0	%100
125	M127	X	-11.964	-11.964	0	%100
126	M127	Z	-6.907	-6.907	0	%100
127	MP3C	X	-10.452	-10.452	0	%100
128	MP3C	Z	-6.034	-6.034	0	%100
129	MP3B	X	-10.452	-10.452	0	%100
130	MP3B	Z	-6.034	-6.034	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	M20	X	-5.32	-5.32	0	%100
2	M20	Z	-9.214	-9.214	0	%100
3	M32	X	-5.32	-5.32	0	%100
4	M32	Z	-9.214	-9.214	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-4.985	-4.985	0	%100
8	MP1A	Z	-8.634	-8.634	0	%100
9	MP3A	X	-6.034	-6.034	0	%100
10	MP3A	Z	-10.452	-10.452	0	%100
11	MP4A	X	-4.985	-4.985	0	%100
12	MP4A	Z	-8.634	-8.634	0	%100
13	M72A	X	-7.47	-7.47	0	%100
14	M72A	Z	-12.938	-12.938	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	-5.142	-5.142	0	%100
22	M78	Z	-8.905	-8.905	0	%100
23	M79	X	-5.142	-5.142	0	%100
24	M79	Z	-8.907	-8.907	0	%100
25	M84	X	-12.671	-12.671	0	%100
26	M84	Z	-21.947	-21.947	0	%100
27	M85	X	-9.62	-9.62	0	%100
28	M85	Z	-16.662	-16.662	0	%100
29	M87A	X	-9.97	-9.97	0	%100
30	M87A	Z	-17.268	-17.268	0	%100
31	M89A	X	-12.671	-12.671	0	%100
32	M89A	Z	-21.947	-21.947	0	%100
33	M90A	X	-9.62	-9.62	0	%100
34	M90A	Z	-16.662	-16.662	0	%100
35	M92	X	-9.97	-9.97	0	%100
36	M92	Z	-17.268	-17.268	0	%100
37	M50A	X	-1.867	-1.867	0	%100
38	M50A	Z	-3.235	-3.235	0	%100
39	M51A	X	-5.854	-5.854	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,%]
40	M51A	Z	-10.139	-10.139	0	%100
41	M52	X	-5.854	-5.854	0	%100
42	M52	Z	-10.139	-10.139	0	%100
43	M53A	X	-9.445	-9.445	0	%100
44	M53A	Z	-16.359	-16.359	0	%100
45	M56	X	-5.142	-5.142	0	%100
46	M56	Z	-8.905	-8.905	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	-3.168	-3.168	0	%100
50	M62	Z	-5.487	-5.487	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	-3.168	-3.168	0	%100
56	M67	Z	-5.487	-5.487	0	%100
57	M68	X	-9.62	-9.62	0	%100
58	M68	Z	-16.662	-16.662	0	%100
59	M70	X	-9.97	-9.97	0	%100
60	M70	Z	-17.268	-17.268	0	%100
61	M72	X	-1.867	-1.867	0	%100
62	M72	Z	-3.235	-3.235	0	%100
63	M73A	X	-5.854	-5.854	0	%100
64	M73A	Z	-10.139	-10.139	0	%100
65	M74A	X	-5.854	-5.854	0	%100
66	M74A	Z	-10.139	-10.139	0	%100
67	M75A	X	-9.445	-9.445	0	%100
68	M75A	Z	-16.359	-16.359	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	-5.142	-5.142	0	%100
72	M79A	Z	-8.907	-8.907	0	%100
73	M84A	X	-3.168	-3.168	0	%100
74	M84A	Z	-5.487	-5.487	0	%100
75	M85A	X	-9.62	-9.62	0	%100
76	M85A	Z	-16.662	-16.662	0	%100
77	M87	X	-9.97	-9.97	0	%100
78	M87	Z	-17.268	-17.268	0	%100
79	M89	X	-3.168	-3.168	0	%100
80	M89	Z	-5.487	-5.487	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	-4.985	-4.985	0	%100
86	MP2A	Z	-8.634	-8.634	0	%100
87	MP1C	X	-4.985	-4.985	0	%100
88	MP1C	Z	-8.634	-8.634	0	%100
89	MP4C	X	-4.985	-4.985	0	%100
90	MP4C	Z	-8.634	-8.634	0	%100
91	MP2C	X	-4.985	-4.985	0	%100
92	MP2C	Z	-8.634	-8.634	0	%100
93	MP1B	X	-4.985	-4.985	0	%100
94	MP1B	Z	-8.634	-8.634	0	%100
95	MP4B	X	-4.985	-4.985	0	%100
96	MP4B	Z	-8.634	-8.634	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,%]
97	MP2B	X	-4.985	-4.985	0	%100
98	MP2B	Z	-8.634	-8.634	0	%100
99	M94	X	-6.083	-6.083	0	%100
100	M94	Z	-10.536	-10.536	0	%100
101	M95	X	-1.521	-1.521	0	%100
102	M95	Z	-2.634	-2.634	0	%100
103	M96	X	-1.521	-1.521	0	%100
104	M96	Z	-2.634	-2.634	0	%100
105	M98	X	-4.076	-4.076	0	%100
106	M98	Z	-7.06	-7.06	0	%100
107	M100	X	-4.076	-4.076	0	%100
108	M100	Z	-7.06	-7.06	0	%100
109	M101	X	-4.526	-4.526	0	%100
110	M101	Z	-7.839	-7.839	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-4.526	-4.526	0	%100
114	M115	Z	-7.839	-7.839	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-5.937	-5.937	0	%100
118	M123	Z	-10.284	-10.284	0	%100
119	M124	X	-5.937	-5.937	0	%100
120	M124	Z	-10.284	-10.284	0	%100
121	M125	X	-7.718	-7.718	0	%100
122	M125	Z	-13.368	-13.368	0	%100
123	M126	X	-10.15	-10.15	0	%100
124	M126	Z	-17.581	-17.581	0	%100
125	M127	X	-7.718	-7.718	0	%100
126	M127	Z	-13.368	-13.368	0	%100
127	MP3C	X	-6.034	-6.034	0	%100
128	MP3C	Z	-10.452	-10.452	0	%100
129	MP3B	X	-6.034	-6.034	0	%100
130	MP3B	Z	-10.452	-10.452	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	M20	X	0	0	0	%100
2	M20	Z	-1.057	-1.057	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	-4.23	-4.23	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	-1.057	-1.057	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-3.41	-3.41	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-3.774	-3.774	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	-3.41	-3.41	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	-3.205	-3.205	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	-1	-1	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	-1	-1	0	%100
19	M75	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,%]
20	M75	Z	-1.363	-1.363	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	-.981	-.981	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	-3.925	-3.925	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	-4.034	-4.034	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	-5.433	-5.433	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	-5.595	-5.595	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	-4.034	-4.034	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	-1.358	-1.358	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	-1.399	-1.399	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	-3.205	-3.205	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	-1	-1	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	-1	-1	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	-1.363	-1.363	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-3.924	-3.924	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-.981	-.981	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	-4.034	-4.034	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	-1.358	-1.358	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	-1.399	-1.399	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	-4.034	-4.034	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-5.433	-5.433	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	-5.595	-5.595	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	-4.002	-4.002	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	-4.002	-4.002	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	-5.452	-5.452	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	-.981	-.981	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	-.981	-.981	0	%100
73	M84A	X	0	0	0	%100
74	M84A	Z	0	0	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	-1.358	-1.358	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,%]
77	M87	X	0	0	0	%100
78	M87	Z	-1.399	-1.399	0	%100
79	M89	X	0	0	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	-1.358	-1.358	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	-1.399	-1.399	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	-3.41	-3.41	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-3.41	-3.41	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-3.41	-3.41	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-3.41	-3.41	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-3.41	-3.41	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-3.41	-3.41	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-3.41	-3.41	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	-2.433	-2.433	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-2.433	-2.433	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	-2.803	-2.803	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	-2.803	-2.803	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	-3.774	-3.774	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-.944	-.944	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-.944	-.944	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-1.017	-1.017	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-4.066	-4.066	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	-1.017	-1.017	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	-3.079	-3.079	0	%100
123	M126	X	0	0	0	%100
124	M126	Z	-4.673	-4.673	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	-4.673	-4.673	0	%100
127	MP3C	X	0	0	0	%100
128	MP3C	Z	-3.774	-3.774	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	-3.774	-3.774	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,%]

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,%]
1	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	1.586	1.586	0	%100
4	M32	Z	-2.747	-2.747	0	%100
5	M33A	X	1.586	1.586	0	%100
6	M33A	Z	-2.747	-2.747	0	%100
7	MP1A	X	1.705	1.705	0	%100
8	MP1A	Z	-2.953	-2.953	0	%100
9	MP3A	X	1.887	1.887	0	%100
10	MP3A	Z	-3.269	-3.269	0	%100
11	MP4A	X	1.705	1.705	0	%100
12	MP4A	Z	-2.953	-2.953	0	%100
13	M72A	X	.534	.534	0	%100
14	M72A	Z	-.925	-.925	0	%100
15	M73	X	1.501	1.501	0	%100
16	M73	Z	-2.599	-2.599	0	%100
17	M74	X	1.501	1.501	0	%100
18	M74	Z	-2.599	-2.599	0	%100
19	M75	X	2.044	2.044	0	%100
20	M75	Z	-3.541	-3.541	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	1.472	1.472	0	%100
24	M79	Z	-2.549	-2.549	0	%100
25	M84	X	.672	.672	0	%100
26	M84	Z	-1.165	-1.165	0	%100
27	M85	X	2.037	2.037	0	%100
28	M85	Z	-3.529	-3.529	0	%100
29	M87A	X	2.098	2.098	0	%100
30	M87A	Z	-3.634	-3.634	0	%100
31	M89A	X	.672	.672	0	%100
32	M89A	Z	-1.165	-1.165	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	2.137	2.137	0	%100
38	M50A	Z	-3.701	-3.701	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	1.472	1.472	0	%100
46	M56	Z	-2.549	-2.549	0	%100
47	M57	X	1.472	1.472	0	%100
48	M57	Z	-2.549	-2.549	0	%100
49	M62	X	2.69	2.69	0	%100
50	M62	Z	-4.659	-4.659	0	%100
51	M63	X	2.037	2.037	0	%100
52	M63	Z	-3.529	-3.529	0	%100
53	M65	X	2.098	2.098	0	%100
54	M65	Z	-3.634	-3.634	0	%100
55	M67	X	2.69	2.69	0	%100
56	M67	Z	-4.659	-4.659	0	%100
57	M68	X	2.037	2.037	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,%]
58	M68	Z	-3.529	-3.529	0	%100
59	M70	X	2.098	2.098	0	%100
60	M70	Z	-3.634	-3.634	0	%100
61	M72	X	.534	.534	0	%100
62	M72	Z	-.925	-.925	0	%100
63	M73A	X	1.501	1.501	0	%100
64	M73A	Z	-2.599	-2.599	0	%100
65	M74A	X	1.501	1.501	0	%100
66	M74A	Z	-2.599	-2.599	0	%100
67	M75A	X	2.044	2.044	0	%100
68	M75A	Z	-3.541	-3.541	0	%100
69	M78A	X	1.472	1.472	0	%100
70	M78A	Z	-2.549	-2.549	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	.672	.672	0	%100
74	M84A	Z	-1.165	-1.165	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	.672	.672	0	%100
80	M89	Z	-1.165	-1.165	0	%100
81	M90	X	2.037	2.037	0	%100
82	M90	Z	-3.529	-3.529	0	%100
83	M92A	X	2.098	2.098	0	%100
84	M92A	Z	-3.634	-3.634	0	%100
85	MP2A	X	1.705	1.705	0	%100
86	MP2A	Z	-2.953	-2.953	0	%100
87	MP1C	X	1.705	1.705	0	%100
88	MP1C	Z	-2.953	-2.953	0	%100
89	MP4C	X	1.705	1.705	0	%100
90	MP4C	Z	-2.953	-2.953	0	%100
91	MP2C	X	1.705	1.705	0	%100
92	MP2C	Z	-2.953	-2.953	0	%100
93	MP1B	X	1.705	1.705	0	%100
94	MP1B	Z	-2.953	-2.953	0	%100
95	MP4B	X	1.705	1.705	0	%100
96	MP4B	Z	-2.953	-2.953	0	%100
97	MP2B	X	1.705	1.705	0	%100
98	MP2B	Z	-2.953	-2.953	0	%100
99	M94	X	.405	.405	0	%100
100	M94	Z	-.702	-.702	0	%100
101	M95	X	.405	.405	0	%100
102	M95	Z	-.702	-.702	0	%100
103	M96	X	1.622	1.622	0	%100
104	M96	Z	-2.809	-2.809	0	%100
105	M98	X	1.402	1.402	0	%100
106	M98	Z	-2.428	-2.428	0	%100
107	M100	X	1.402	1.402	0	%100
108	M100	Z	-2.428	-2.428	0	%100
109	M101	X	1.415	1.415	0	%100
110	M101	Z	-2.452	-2.452	0	%100
111	M108	X	1.415	1.415	0	%100
112	M108	Z	-2.452	-2.452	0	%100
113	M115	X	0	0	0	%100
114	M115	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,%]
115	M122	X	1.525	1.525	0	%100
116	M122	Z	-2.641	-2.641	0	%100
117	M123	X	1.525	1.525	0	%100
118	M123	Z	-2.641	-2.641	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	1.805	1.805	0	%100
122	M125	Z	-3.127	-3.127	0	%100
123	M126	X	1.805	1.805	0	%100
124	M126	Z	-3.127	-3.127	0	%100
125	M127	X	2.602	2.602	0	%100
126	M127	Z	-4.507	-4.507	0	%100
127	MP3C	X	1.887	1.887	0	%100
128	MP3C	Z	-3.269	-3.269	0	%100
129	MP3B	X	1.887	1.887	0	%100
130	MP3B	Z	-3.269	-3.269	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	M20	X	.916	.916	0	%100
2	M20	Z	-.529	-.529	0	%100
3	M32	X	.916	.916	0	%100
4	M32	Z	-.529	-.529	0	%100
5	M33A	X	3.663	3.663	0	%100
6	M33A	Z	-2.115	-2.115	0	%100
7	MP1A	X	2.953	2.953	0	%100
8	MP1A	Z	-1.705	-1.705	0	%100
9	MP3A	X	3.269	3.269	0	%100
10	MP3A	Z	-1.887	-1.887	0	%100
11	MP4A	X	2.953	2.953	0	%100
12	MP4A	Z	-1.705	-1.705	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	3.466	3.466	0	%100
16	M73	Z	-2.001	-2.001	0	%100
17	M74	X	3.466	3.466	0	%100
18	M74	Z	-2.001	-2.001	0	%100
19	M75	X	4.721	4.721	0	%100
20	M75	Z	-2.726	-2.726	0	%100
21	M78	X	.85	.85	0	%100
22	M78	Z	-.491	-.491	0	%100
23	M79	X	.85	.85	0	%100
24	M79	Z	-.491	-.491	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	1.176	1.176	0	%100
28	M85	Z	-.679	-.679	0	%100
29	M87A	X	1.211	1.211	0	%100
30	M87A	Z	-.699	-.699	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	1.176	1.176	0	%100
34	M90A	Z	-.679	-.679	0	%100
35	M92	X	1.211	1.211	0	%100
36	M92	Z	-.699	-.699	0	%100
37	M50A	X	2.775	2.775	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,%]
38	M50A	Z	-1.602	-1.602	0	%100
39	M51A	X	.866	.866	0	%100
40	M51A	Z	-.5	-.5	0	%100
41	M52	X	.866	.866	0	%100
42	M52	Z	-.5	-.5	0	%100
43	M53A	X	1.18	1.18	0	%100
44	M53A	Z	-.681	-.681	0	%100
45	M56	X	.85	.85	0	%100
46	M56	Z	-.491	-.491	0	%100
47	M57	X	3.399	3.399	0	%100
48	M57	Z	-1.962	-1.962	0	%100
49	M62	X	3.494	3.494	0	%100
50	M62	Z	-2.017	-2.017	0	%100
51	M63	X	4.705	4.705	0	%100
52	M63	Z	-2.717	-2.717	0	%100
53	M65	X	4.846	4.846	0	%100
54	M65	Z	-2.798	-2.798	0	%100
55	M67	X	3.494	3.494	0	%100
56	M67	Z	-2.017	-2.017	0	%100
57	M68	X	1.176	1.176	0	%100
58	M68	Z	-.679	-.679	0	%100
59	M70	X	1.211	1.211	0	%100
60	M70	Z	-.699	-.699	0	%100
61	M72	X	2.775	2.775	0	%100
62	M72	Z	-1.602	-1.602	0	%100
63	M73A	X	.866	.866	0	%100
64	M73A	Z	-.5	-.5	0	%100
65	M74A	X	.866	.866	0	%100
66	M74A	Z	-.5	-.5	0	%100
67	M75A	X	1.18	1.18	0	%100
68	M75A	Z	-.681	-.681	0	%100
69	M78A	X	3.399	3.399	0	%100
70	M78A	Z	-1.962	-1.962	0	%100
71	M79A	X	.85	.85	0	%100
72	M79A	Z	-.491	-.491	0	%100
73	M84A	X	3.494	3.494	0	%100
74	M84A	Z	-2.017	-2.017	0	%100
75	M85A	X	1.176	1.176	0	%100
76	M85A	Z	-.679	-.679	0	%100
77	M87	X	1.211	1.211	0	%100
78	M87	Z	-.699	-.699	0	%100
79	M89	X	3.494	3.494	0	%100
80	M89	Z	-2.017	-2.017	0	%100
81	M90	X	4.705	4.705	0	%100
82	M90	Z	-2.717	-2.717	0	%100
83	M92A	X	4.846	4.846	0	%100
84	M92A	Z	-2.798	-2.798	0	%100
85	MP2A	X	2.953	2.953	0	%100
86	MP2A	Z	-1.705	-1.705	0	%100
87	MP1C	X	2.953	2.953	0	%100
88	MP1C	Z	-1.705	-1.705	0	%100
89	MP4C	X	2.953	2.953	0	%100
90	MP4C	Z	-1.705	-1.705	0	%100
91	MP2C	X	2.953	2.953	0	%100
92	MP2C	Z	-1.705	-1.705	0	%100
93	MP1B	X	2.953	2.953	0	%100
94	MP1B	Z	-1.705	-1.705	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,%]
95	MP4B	X	2.953	2.953	0	%100
96	MP4B	Z	-1.705	-1.705	0	%100
97	MP2B	X	2.953	2.953	0	%100
98	MP2B	Z	-1.705	-1.705	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	2.107	2.107	0	%100
102	M95	Z	-1.216	-1.216	0	%100
103	M96	X	2.107	2.107	0	%100
104	M96	Z	-1.216	-1.216	0	%100
105	M98	X	2.428	2.428	0	%100
106	M98	Z	-1.402	-1.402	0	%100
107	M100	X	2.428	2.428	0	%100
108	M100	Z	-1.402	-1.402	0	%100
109	M101	X	.817	.817	0	%100
110	M101	Z	-.472	-.472	0	%100
111	M108	X	3.269	3.269	0	%100
112	M108	Z	-1.887	-1.887	0	%100
113	M115	X	.817	.817	0	%100
114	M115	Z	-.472	-.472	0	%100
115	M122	X	3.521	3.521	0	%100
116	M122	Z	-2.033	-2.033	0	%100
117	M123	X	.88	.88	0	%100
118	M123	Z	-.508	-.508	0	%100
119	M124	X	.88	.88	0	%100
120	M124	Z	-.508	-.508	0	%100
121	M125	X	4.047	4.047	0	%100
122	M125	Z	-2.336	-2.336	0	%100
123	M126	X	2.667	2.667	0	%100
124	M126	Z	-1.54	-1.54	0	%100
125	M127	X	4.047	4.047	0	%100
126	M127	Z	-2.336	-2.336	0	%100
127	MP3C	X	3.269	3.269	0	%100
128	MP3C	Z	-1.887	-1.887	0	%100
129	MP3B	X	3.269	3.269	0	%100
130	MP3B	Z	-1.887	-1.887	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	M20	X	3.172	3.172	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	3.172	3.172	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	3.41	3.41	0	%100
8	MP1A	Z	0	0	0	%100
9	MP3A	X	3.774	3.774	0	%100
10	MP3A	Z	0	0	0	%100
11	MP4A	X	3.41	3.41	0	%100
12	MP4A	Z	0	0	0	%100
13	M72A	X	1.068	1.068	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	3.001	3.001	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	3.001	3.001	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,%]
18	M74	Z	0	0	0	%100
19	M75	X	4.089	4.089	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	2.943	2.943	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
25	M84	X	1.345	1.345	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	0	0	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	0	0	0	%100
31	M89A	X	1.345	1.345	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	4.075	4.075	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	4.196	4.196	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	1.068	1.068	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	3.001	3.001	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	3.001	3.001	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	4.089	4.089	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	2.944	2.944	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	1.345	1.345	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	4.075	4.075	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	4.196	4.196	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	1.345	1.345	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M72	X	4.273	4.273	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	2.943	2.943	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	2.944	2.944	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	5.379	5.379	0	%100
74	M84A	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,%]
75	M85A	X	4.075	4.075	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	4.196	4.196	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	5.379	5.379	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	4.075	4.075	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	4.196	4.196	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	3.41	3.41	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	3.41	3.41	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	3.41	3.41	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	3.41	3.41	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1B	X	3.41	3.41	0	%100
94	MP1B	Z	0	0	0	%100
95	MP4B	X	3.41	3.41	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	3.41	3.41	0	%100
98	MP2B	Z	0	0	0	%100
99	M94	X	.811	.811	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	3.243	3.243	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	.811	.811	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	2.803	2.803	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	2.803	2.803	0	%100
108	M100	Z	0	0	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	2.831	2.831	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	2.831	2.831	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	3.05	3.05	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	3.05	3.05	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	5.204	5.204	0	%100
122	M125	Z	0	0	0	%100
123	M126	X	3.61	3.61	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	3.61	3.61	0	%100
126	M127	Z	0	0	0	%100
127	MP3C	X	3.774	3.774	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	3.774	3.774	0	%100
130	MP3B	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	M20	X	3.663	3.663	0	%100
2	M20	Z	2.115	2.115	0	%100
3	M32	X	.916	.916	0	%100
4	M32	Z	.529	.529	0	%100
5	M33A	X	.916	.916	0	%100
6	M33A	Z	.529	.529	0	%100
7	MP1A	X	2.953	2.953	0	%100
8	MP1A	Z	1.705	1.705	0	%100
9	MP3A	X	3.269	3.269	0	%100
10	MP3A	Z	1.887	1.887	0	%100
11	MP4A	X	2.953	2.953	0	%100
12	MP4A	Z	1.705	1.705	0	%100
13	M72A	X	2.775	2.775	0	%100
14	M72A	Z	1.602	1.602	0	%100
15	M73	X	.866	.866	0	%100
16	M73	Z	.5	.5	0	%100
17	M74	X	.866	.866	0	%100
18	M74	Z	.5	.5	0	%100
19	M75	X	1.18	1.18	0	%100
20	M75	Z	.681	.681	0	%100
21	M78	X	3.399	3.399	0	%100
22	M78	Z	1.962	1.962	0	%100
23	M79	X	.85	.85	0	%100
24	M79	Z	.491	.491	0	%100
25	M84	X	3.494	3.494	0	%100
26	M84	Z	2.017	2.017	0	%100
27	M85	X	1.176	1.176	0	%100
28	M85	Z	.679	.679	0	%100
29	M87A	X	1.211	1.211	0	%100
30	M87A	Z	.699	.699	0	%100
31	M89A	X	3.494	3.494	0	%100
32	M89A	Z	2.017	2.017	0	%100
33	M90A	X	4.705	4.705	0	%100
34	M90A	Z	2.717	2.717	0	%100
35	M92	X	4.846	4.846	0	%100
36	M92	Z	2.798	2.798	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	3.466	3.466	0	%100
40	M51A	Z	2.001	2.001	0	%100
41	M52	X	3.466	3.466	0	%100
42	M52	Z	2.001	2.001	0	%100
43	M53A	X	4.721	4.721	0	%100
44	M53A	Z	2.726	2.726	0	%100
45	M56	X	.85	.85	0	%100
46	M56	Z	.491	.491	0	%100
47	M57	X	.85	.85	0	%100
48	M57	Z	.491	.491	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	1.176	1.176	0	%100
52	M63	Z	.679	.679	0	%100
53	M65	X	1.211	1.211	0	%100
54	M65	Z	.699	.699	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	1.176	1.176	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,%]
58	M68	Z	.679	.679	0	%100
59	M70	X	1.211	1.211	0	%100
60	M70	Z	.699	.699	0	%100
61	M72	X	2.775	2.775	0	%100
62	M72	Z	1.602	1.602	0	%100
63	M73A	X	.866	.866	0	%100
64	M73A	Z	.5	.5	0	%100
65	M74A	X	.866	.866	0	%100
66	M74A	Z	.5	.5	0	%100
67	M75A	X	1.18	1.18	0	%100
68	M75A	Z	.681	.681	0	%100
69	M78A	X	.85	.85	0	%100
70	M78A	Z	.491	.491	0	%100
71	M79A	X	3.399	3.399	0	%100
72	M79A	Z	1.962	1.962	0	%100
73	M84A	X	3.494	3.494	0	%100
74	M84A	Z	2.017	2.017	0	%100
75	M85A	X	4.705	4.705	0	%100
76	M85A	Z	2.717	2.717	0	%100
77	M87	X	4.846	4.846	0	%100
78	M87	Z	2.798	2.798	0	%100
79	M89	X	3.494	3.494	0	%100
80	M89	Z	2.017	2.017	0	%100
81	M90	X	1.176	1.176	0	%100
82	M90	Z	.679	.679	0	%100
83	M92A	X	1.211	1.211	0	%100
84	M92A	Z	.699	.699	0	%100
85	MP2A	X	2.953	2.953	0	%100
86	MP2A	Z	1.705	1.705	0	%100
87	MP1C	X	2.953	2.953	0	%100
88	MP1C	Z	1.705	1.705	0	%100
89	MP4C	X	2.953	2.953	0	%100
90	MP4C	Z	1.705	1.705	0	%100
91	MP2C	X	2.953	2.953	0	%100
92	MP2C	Z	1.705	1.705	0	%100
93	MP1B	X	2.953	2.953	0	%100
94	MP1B	Z	1.705	1.705	0	%100
95	MP4B	X	2.953	2.953	0	%100
96	MP4B	Z	1.705	1.705	0	%100
97	MP2B	X	2.953	2.953	0	%100
98	MP2B	Z	1.705	1.705	0	%100
99	M94	X	2.107	2.107	0	%100
100	M94	Z	1.216	1.216	0	%100
101	M95	X	2.107	2.107	0	%100
102	M95	Z	1.216	1.216	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	2.428	2.428	0	%100
106	M98	Z	1.402	1.402	0	%100
107	M100	X	2.428	2.428	0	%100
108	M100	Z	1.402	1.402	0	%100
109	M101	X	.817	.817	0	%100
110	M101	Z	.472	.472	0	%100
111	M108	X	.817	.817	0	%100
112	M108	Z	.472	.472	0	%100
113	M115	X	3.269	3.269	0	%100
114	M115	Z	1.887	1.887	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,%]
115	M122	X	.88	.88	0	%100
116	M122	Z	.508	.508	0	%100
117	M123	X	.88	.88	0	%100
118	M123	Z	.508	.508	0	%100
119	M124	X	3.521	3.521	0	%100
120	M124	Z	2.033	2.033	0	%100
121	M125	X	4.047	4.047	0	%100
122	M125	Z	2.336	2.336	0	%100
123	M126	X	4.047	4.047	0	%100
124	M126	Z	2.336	2.336	0	%100
125	M127	X	2.667	2.667	0	%100
126	M127	Z	1.54	1.54	0	%100
127	MP3C	X	3.269	3.269	0	%100
128	MP3C	Z	1.887	1.887	0	%100
129	MP3B	X	3.269	3.269	0	%100
130	MP3B	Z	1.887	1.887	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	M20	X	1.586	1.586	0	%100
2	M20	Z	2.747	2.747	0	%100
3	M32	X	1.586	1.586	0	%100
4	M32	Z	2.747	2.747	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	1.705	1.705	0	%100
8	MP1A	Z	2.953	2.953	0	%100
9	MP3A	X	1.887	1.887	0	%100
10	MP3A	Z	3.269	3.269	0	%100
11	MP4A	X	1.705	1.705	0	%100
12	MP4A	Z	2.953	2.953	0	%100
13	M72A	X	2.137	2.137	0	%100
14	M72A	Z	3.701	3.701	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	1.472	1.472	0	%100
22	M78	Z	2.549	2.549	0	%100
23	M79	X	1.472	1.472	0	%100
24	M79	Z	2.549	2.549	0	%100
25	M84	X	2.69	2.69	0	%100
26	M84	Z	4.659	4.659	0	%100
27	M85	X	2.037	2.037	0	%100
28	M85	Z	3.529	3.529	0	%100
29	M87A	X	2.098	2.098	0	%100
30	M87A	Z	3.634	3.634	0	%100
31	M89A	X	2.69	2.69	0	%100
32	M89A	Z	4.659	4.659	0	%100
33	M90A	X	2.037	2.037	0	%100
34	M90A	Z	3.529	3.529	0	%100
35	M92	X	2.098	2.098	0	%100
36	M92	Z	3.634	3.634	0	%100
37	M50A	X	.534	.534	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,%]
38	M50A	Z	.925	.925	0	%100
39	M51A	X	1.501	1.501	0	%100
40	M51A	Z	2.599	2.599	0	%100
41	M52	X	1.501	1.501	0	%100
42	M52	Z	2.599	2.599	0	%100
43	M53A	X	2.044	2.044	0	%100
44	M53A	Z	3.541	3.541	0	%100
45	M56	X	1.472	1.472	0	%100
46	M56	Z	2.549	2.549	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	.672	.672	0	%100
50	M62	Z	1.165	1.165	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	.672	.672	0	%100
56	M67	Z	1.165	1.165	0	%100
57	M68	X	2.037	2.037	0	%100
58	M68	Z	3.529	3.529	0	%100
59	M70	X	2.098	2.098	0	%100
60	M70	Z	3.634	3.634	0	%100
61	M72	X	.534	.534	0	%100
62	M72	Z	.925	.925	0	%100
63	M73A	X	1.501	1.501	0	%100
64	M73A	Z	2.599	2.599	0	%100
65	M74A	X	1.501	1.501	0	%100
66	M74A	Z	2.599	2.599	0	%100
67	M75A	X	2.044	2.044	0	%100
68	M75A	Z	3.541	3.541	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	1.472	1.472	0	%100
72	M79A	Z	2.549	2.549	0	%100
73	M84A	X	.672	.672	0	%100
74	M84A	Z	1.165	1.165	0	%100
75	M85A	X	2.037	2.037	0	%100
76	M85A	Z	3.529	3.529	0	%100
77	M87	X	2.098	2.098	0	%100
78	M87	Z	3.634	3.634	0	%100
79	M89	X	.672	.672	0	%100
80	M89	Z	1.165	1.165	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	1.705	1.705	0	%100
86	MP2A	Z	2.953	2.953	0	%100
87	MP1C	X	1.705	1.705	0	%100
88	MP1C	Z	2.953	2.953	0	%100
89	MP4C	X	1.705	1.705	0	%100
90	MP4C	Z	2.953	2.953	0	%100
91	MP2C	X	1.705	1.705	0	%100
92	MP2C	Z	2.953	2.953	0	%100
93	MP1B	X	1.705	1.705	0	%100
94	MP1B	Z	2.953	2.953	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,%]
95	MP4B	X	1.705	1.705	0	%100
96	MP4B	Z	2.953	2.953	0	%100
97	MP2B	X	1.705	1.705	0	%100
98	MP2B	Z	2.953	2.953	0	%100
99	M94	X	1.622	1.622	0	%100
100	M94	Z	2.809	2.809	0	%100
101	M95	X	.405	.405	0	%100
102	M95	Z	.702	.702	0	%100
103	M96	X	.405	.405	0	%100
104	M96	Z	.702	.702	0	%100
105	M98	X	1.402	1.402	0	%100
106	M98	Z	2.428	2.428	0	%100
107	M100	X	1.402	1.402	0	%100
108	M100	Z	2.428	2.428	0	%100
109	M101	X	1.415	1.415	0	%100
110	M101	Z	2.452	2.452	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	1.415	1.415	0	%100
114	M115	Z	2.452	2.452	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	1.525	1.525	0	%100
118	M123	Z	2.641	2.641	0	%100
119	M124	X	1.525	1.525	0	%100
120	M124	Z	2.641	2.641	0	%100
121	M125	X	1.805	1.805	0	%100
122	M125	Z	3.127	3.127	0	%100
123	M126	X	2.602	2.602	0	%100
124	M126	Z	4.507	4.507	0	%100
125	M127	X	1.805	1.805	0	%100
126	M127	Z	3.127	3.127	0	%100
127	MP3C	X	1.887	1.887	0	%100
128	MP3C	Z	3.269	3.269	0	%100
129	MP3B	X	1.887	1.887	0	%100
130	MP3B	Z	3.269	3.269	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	M20	X	0	0	0	%100
2	M20	Z	1.057	1.057	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	4.23	4.23	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	1.057	1.057	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	3.41	3.41	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	3.774	3.774	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	3.41	3.41	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	3.205	3.205	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	1	1	0	%100
17	M74	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,%]
18	M74	Z	1	1	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	1.363	1.363	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	.981	.981	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	3.925	3.925	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	4.034	4.034	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	5.433	5.433	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	5.595	5.595	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	4.034	4.034	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	1.358	1.358	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	1.399	1.399	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	3.205	3.205	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	1	1	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	1	1	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	1.363	1.363	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	3.924	3.924	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	.981	.981	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	4.034	4.034	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	1.358	1.358	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	1.399	1.399	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	4.034	4.034	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	5.433	5.433	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	5.595	5.595	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	4.002	4.002	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	4.002	4.002	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	5.452	5.452	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	.981	.981	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	.981	.981	0	%100
73	M84A	X	0	0	0	%100
74	M84A	Z	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,%]
75	M85A	X	0	0	0	%100
76	M85A	Z	1.358	1.358	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	1.399	1.399	0	%100
79	M89	X	0	0	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	1.358	1.358	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	1.399	1.399	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	3.41	3.41	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	3.41	3.41	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	3.41	3.41	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	3.41	3.41	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	3.41	3.41	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	3.41	3.41	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	3.41	3.41	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	2.433	2.433	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	2.433	2.433	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	2.803	2.803	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	2.803	2.803	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	3.774	3.774	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.944	.944	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	.944	.944	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	1.017	1.017	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	4.066	4.066	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	1.017	1.017	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	3.079	3.079	0	%100
123	M126	X	0	0	0	%100
124	M126	Z	4.673	4.673	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	4.673	4.673	0	%100
127	MP3C	X	0	0	0	%100
128	MP3C	Z	3.774	3.774	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	3.774	3.774	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	-1.586	-1.586	0	%100
4	M32	Z	2.747	2.747	0	%100
5	M33A	X	-1.586	-1.586	0	%100
6	M33A	Z	2.747	2.747	0	%100
7	MP1A	X	-1.705	-1.705	0	%100
8	MP1A	Z	2.953	2.953	0	%100
9	MP3A	X	-1.887	-1.887	0	%100
10	MP3A	Z	3.269	3.269	0	%100
11	MP4A	X	-1.705	-1.705	0	%100
12	MP4A	Z	2.953	2.953	0	%100
13	M72A	X	-.534	-.534	0	%100
14	M72A	Z	.925	.925	0	%100
15	M73	X	-1.501	-1.501	0	%100
16	M73	Z	2.599	2.599	0	%100
17	M74	X	-1.501	-1.501	0	%100
18	M74	Z	2.599	2.599	0	%100
19	M75	X	-2.044	-2.044	0	%100
20	M75	Z	3.541	3.541	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	-1.472	-1.472	0	%100
24	M79	Z	2.549	2.549	0	%100
25	M84	X	-.672	-.672	0	%100
26	M84	Z	1.165	1.165	0	%100
27	M85	X	-2.037	-2.037	0	%100
28	M85	Z	3.529	3.529	0	%100
29	M87A	X	-2.098	-2.098	0	%100
30	M87A	Z	3.634	3.634	0	%100
31	M89A	X	-.672	-.672	0	%100
32	M89A	Z	1.165	1.165	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	-2.137	-2.137	0	%100
38	M50A	Z	3.701	3.701	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	-1.472	-1.472	0	%100
46	M56	Z	2.549	2.549	0	%100
47	M57	X	-1.472	-1.472	0	%100
48	M57	Z	2.549	2.549	0	%100
49	M62	X	-2.69	-2.69	0	%100
50	M62	Z	4.659	4.659	0	%100
51	M63	X	-2.037	-2.037	0	%100
52	M63	Z	3.529	3.529	0	%100
53	M65	X	-2.098	-2.098	0	%100
54	M65	Z	3.634	3.634	0	%100
55	M67	X	-2.69	-2.69	0	%100
56	M67	Z	4.659	4.659	0	%100
57	M68	X	-2.037	-2.037	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,%]
58	M68	Z	3.529	3.529	0	%100
59	M70	X	-2.098	-2.098	0	%100
60	M70	Z	3.634	3.634	0	%100
61	M72	X	-.534	-.534	0	%100
62	M72	Z	.925	.925	0	%100
63	M73A	X	-1.501	-1.501	0	%100
64	M73A	Z	2.599	2.599	0	%100
65	M74A	X	-1.501	-1.501	0	%100
66	M74A	Z	2.599	2.599	0	%100
67	M75A	X	-2.044	-2.044	0	%100
68	M75A	Z	3.541	3.541	0	%100
69	M78A	X	-1.472	-1.472	0	%100
70	M78A	Z	2.549	2.549	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	-.672	-.672	0	%100
74	M84A	Z	1.165	1.165	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-.672	-.672	0	%100
80	M89	Z	1.165	1.165	0	%100
81	M90	X	-2.037	-2.037	0	%100
82	M90	Z	3.529	3.529	0	%100
83	M92A	X	-2.098	-2.098	0	%100
84	M92A	Z	3.634	3.634	0	%100
85	MP2A	X	-1.705	-1.705	0	%100
86	MP2A	Z	2.953	2.953	0	%100
87	MP1C	X	-1.705	-1.705	0	%100
88	MP1C	Z	2.953	2.953	0	%100
89	MP4C	X	-1.705	-1.705	0	%100
90	MP4C	Z	2.953	2.953	0	%100
91	MP2C	X	-1.705	-1.705	0	%100
92	MP2C	Z	2.953	2.953	0	%100
93	MP1B	X	-1.705	-1.705	0	%100
94	MP1B	Z	2.953	2.953	0	%100
95	MP4B	X	-1.705	-1.705	0	%100
96	MP4B	Z	2.953	2.953	0	%100
97	MP2B	X	-1.705	-1.705	0	%100
98	MP2B	Z	2.953	2.953	0	%100
99	M94	X	-.405	-.405	0	%100
100	M94	Z	.702	.702	0	%100
101	M95	X	-.405	-.405	0	%100
102	M95	Z	.702	.702	0	%100
103	M96	X	-1.622	-1.622	0	%100
104	M96	Z	2.809	2.809	0	%100
105	M98	X	-1.402	-1.402	0	%100
106	M98	Z	2.428	2.428	0	%100
107	M100	X	-1.402	-1.402	0	%100
108	M100	Z	2.428	2.428	0	%100
109	M101	X	-1.415	-1.415	0	%100
110	M101	Z	2.452	2.452	0	%100
111	M108	X	-1.415	-1.415	0	%100
112	M108	Z	2.452	2.452	0	%100
113	M115	X	0	0	0	%100
114	M115	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,%]
115	M122	X	-1.525	-1.525	0	%100
116	M122	Z	2.641	2.641	0	%100
117	M123	X	-1.525	-1.525	0	%100
118	M123	Z	2.641	2.641	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-1.805	-1.805	0	%100
122	M125	Z	3.127	3.127	0	%100
123	M126	X	-1.805	-1.805	0	%100
124	M126	Z	3.127	3.127	0	%100
125	M127	X	-2.602	-2.602	0	%100
126	M127	Z	4.507	4.507	0	%100
127	MP3C	X	-1.887	-1.887	0	%100
128	MP3C	Z	3.269	3.269	0	%100
129	MP3B	X	-1.887	-1.887	0	%100
130	MP3B	Z	3.269	3.269	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	M20	X	-.916	-.916	0	%100
2	M20	Z	.529	.529	0	%100
3	M32	X	-.916	-.916	0	%100
4	M32	Z	.529	.529	0	%100
5	M33A	X	-3.663	-3.663	0	%100
6	M33A	Z	2.115	2.115	0	%100
7	MP1A	X	-2.953	-2.953	0	%100
8	MP1A	Z	1.705	1.705	0	%100
9	MP3A	X	-3.269	-3.269	0	%100
10	MP3A	Z	1.887	1.887	0	%100
11	MP4A	X	-2.953	-2.953	0	%100
12	MP4A	Z	1.705	1.705	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-3.466	-3.466	0	%100
16	M73	Z	2.001	2.001	0	%100
17	M74	X	-3.466	-3.466	0	%100
18	M74	Z	2.001	2.001	0	%100
19	M75	X	-4.721	-4.721	0	%100
20	M75	Z	2.726	2.726	0	%100
21	M78	X	-.85	-.85	0	%100
22	M78	Z	.491	.491	0	%100
23	M79	X	-.85	-.85	0	%100
24	M79	Z	.491	.491	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	-1.176	-1.176	0	%100
28	M85	Z	.679	.679	0	%100
29	M87A	X	-1.211	-1.211	0	%100
30	M87A	Z	.699	.699	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	-1.176	-1.176	0	%100
34	M90A	Z	.679	.679	0	%100
35	M92	X	-1.211	-1.211	0	%100
36	M92	Z	.699	.699	0	%100
37	M50A	X	-2.775	-2.775	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,%]
38	M50A	Z	1.602	1.602	0	%100
39	M51A	X	-.866	-.866	0	%100
40	M51A	Z	.5	.5	0	%100
41	M52	X	-.866	-.866	0	%100
42	M52	Z	.5	.5	0	%100
43	M53A	X	-1.18	-1.18	0	%100
44	M53A	Z	.681	.681	0	%100
45	M56	X	-.85	-.85	0	%100
46	M56	Z	.491	.491	0	%100
47	M57	X	-3.399	-3.399	0	%100
48	M57	Z	1.962	1.962	0	%100
49	M62	X	-3.494	-3.494	0	%100
50	M62	Z	2.017	2.017	0	%100
51	M63	X	-4.705	-4.705	0	%100
52	M63	Z	2.717	2.717	0	%100
53	M65	X	-4.846	-4.846	0	%100
54	M65	Z	2.798	2.798	0	%100
55	M67	X	-3.494	-3.494	0	%100
56	M67	Z	2.017	2.017	0	%100
57	M68	X	-1.176	-1.176	0	%100
58	M68	Z	.679	.679	0	%100
59	M70	X	-1.211	-1.211	0	%100
60	M70	Z	.699	.699	0	%100
61	M72	X	-2.775	-2.775	0	%100
62	M72	Z	1.602	1.602	0	%100
63	M73A	X	-.866	-.866	0	%100
64	M73A	Z	.5	.5	0	%100
65	M74A	X	-.866	-.866	0	%100
66	M74A	Z	.5	.5	0	%100
67	M75A	X	-1.18	-1.18	0	%100
68	M75A	Z	.681	.681	0	%100
69	M78A	X	-3.399	-3.399	0	%100
70	M78A	Z	1.962	1.962	0	%100
71	M79A	X	-.85	-.85	0	%100
72	M79A	Z	.491	.491	0	%100
73	M84A	X	-3.494	-3.494	0	%100
74	M84A	Z	2.017	2.017	0	%100
75	M85A	X	-1.176	-1.176	0	%100
76	M85A	Z	.679	.679	0	%100
77	M87	X	-1.211	-1.211	0	%100
78	M87	Z	.699	.699	0	%100
79	M89	X	-3.494	-3.494	0	%100
80	M89	Z	2.017	2.017	0	%100
81	M90	X	-4.705	-4.705	0	%100
82	M90	Z	2.717	2.717	0	%100
83	M92A	X	-4.846	-4.846	0	%100
84	M92A	Z	2.798	2.798	0	%100
85	MP2A	X	-2.953	-2.953	0	%100
86	MP2A	Z	1.705	1.705	0	%100
87	MP1C	X	-2.953	-2.953	0	%100
88	MP1C	Z	1.705	1.705	0	%100
89	MP4C	X	-2.953	-2.953	0	%100
90	MP4C	Z	1.705	1.705	0	%100
91	MP2C	X	-2.953	-2.953	0	%100
92	MP2C	Z	1.705	1.705	0	%100
93	MP1B	X	-2.953	-2.953	0	%100
94	MP1B	Z	1.705	1.705	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,%]
95	MP4B	X	-2.953	-2.953	0	%100
96	MP4B	Z	1.705	1.705	0	%100
97	MP2B	X	-2.953	-2.953	0	%100
98	MP2B	Z	1.705	1.705	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	-2.107	-2.107	0	%100
102	M95	Z	1.216	1.216	0	%100
103	M96	X	-2.107	-2.107	0	%100
104	M96	Z	1.216	1.216	0	%100
105	M98	X	-2.428	-2.428	0	%100
106	M98	Z	1.402	1.402	0	%100
107	M100	X	-2.428	-2.428	0	%100
108	M100	Z	1.402	1.402	0	%100
109	M101	X	-.817	-.817	0	%100
110	M101	Z	.472	.472	0	%100
111	M108	X	-3.269	-3.269	0	%100
112	M108	Z	1.887	1.887	0	%100
113	M115	X	-.817	-.817	0	%100
114	M115	Z	.472	.472	0	%100
115	M122	X	-3.521	-3.521	0	%100
116	M122	Z	2.033	2.033	0	%100
117	M123	X	-.88	-.88	0	%100
118	M123	Z	.508	.508	0	%100
119	M124	X	-.88	-.88	0	%100
120	M124	Z	.508	.508	0	%100
121	M125	X	-4.047	-4.047	0	%100
122	M125	Z	2.336	2.336	0	%100
123	M126	X	-2.667	-2.667	0	%100
124	M126	Z	1.54	1.54	0	%100
125	M127	X	-4.047	-4.047	0	%100
126	M127	Z	2.336	2.336	0	%100
127	MP3C	X	-3.269	-3.269	0	%100
128	MP3C	Z	1.887	1.887	0	%100
129	MP3B	X	-3.269	-3.269	0	%100
130	MP3B	Z	1.887	1.887	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	M20	X	-3.172	-3.172	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	-3.172	-3.172	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-3.41	-3.41	0	%100
8	MP1A	Z	0	0	0	%100
9	MP3A	X	-3.774	-3.774	0	%100
10	MP3A	Z	0	0	0	%100
11	MP4A	X	-3.41	-3.41	0	%100
12	MP4A	Z	0	0	0	%100
13	M72A	X	-1.068	-1.068	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-3.001	-3.001	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	-3.001	-3.001	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,%]
18	M74	Z	0	0	0	%100
19	M75	X	-4.089	-4.089	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	-2.943	-2.943	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
25	M84	X	-1.345	-1.345	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	0	0	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	0	0	0	%100
31	M89A	X	-1.345	-1.345	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	-4.075	-4.075	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	-4.196	-4.196	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	-1.068	-1.068	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	-3.001	-3.001	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	-3.001	-3.001	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	-4.089	-4.089	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-2.944	-2.944	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	-1.345	-1.345	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-4.075	-4.075	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	-4.196	-4.196	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	-1.345	-1.345	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M72	X	-4.273	-4.273	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	-2.943	-2.943	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	-2.944	-2.944	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	-5.379	-5.379	0	%100
74	M84A	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,%]
75	M85A	X	-4.075	-4.075	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	-4.196	-4.196	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-5.379	-5.379	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	-4.075	-4.075	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	-4.196	-4.196	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	-3.41	-3.41	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	-3.41	-3.41	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	-3.41	-3.41	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-3.41	-3.41	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1B	X	-3.41	-3.41	0	%100
94	MP1B	Z	0	0	0	%100
95	MP4B	X	-3.41	-3.41	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	-3.41	-3.41	0	%100
98	MP2B	Z	0	0	0	%100
99	M94	X	-.811	-.811	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	-3.243	-3.243	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	-.811	-.811	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-2.803	-2.803	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	-2.803	-2.803	0	%100
108	M100	Z	0	0	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	-2.831	-2.831	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-2.831	-2.831	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	-3.05	-3.05	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-3.05	-3.05	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-5.204	-5.204	0	%100
122	M125	Z	0	0	0	%100
123	M126	X	-3.61	-3.61	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	-3.61	-3.61	0	%100
126	M127	Z	0	0	0	%100
127	MP3C	X	-3.774	-3.774	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	-3.774	-3.774	0	%100
130	MP3B	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	M20	X	-3.663	-3.663	0	%100
2	M20	Z	-2.115	-2.115	0	%100
3	M32	X	-.916	-.916	0	%100
4	M32	Z	-.529	-.529	0	%100
5	M33A	X	-.916	-.916	0	%100
6	M33A	Z	-.529	-.529	0	%100
7	MP1A	X	-2.953	-2.953	0	%100
8	MP1A	Z	-1.705	-1.705	0	%100
9	MP3A	X	-3.269	-3.269	0	%100
10	MP3A	Z	-1.887	-1.887	0	%100
11	MP4A	X	-2.953	-2.953	0	%100
12	MP4A	Z	-1.705	-1.705	0	%100
13	M72A	X	-2.775	-2.775	0	%100
14	M72A	Z	-1.602	-1.602	0	%100
15	M73	X	-.866	-.866	0	%100
16	M73	Z	-.5	-.5	0	%100
17	M74	X	-.866	-.866	0	%100
18	M74	Z	-.5	-.5	0	%100
19	M75	X	-1.18	-1.18	0	%100
20	M75	Z	-.681	-.681	0	%100
21	M78	X	-3.399	-3.399	0	%100
22	M78	Z	-1.962	-1.962	0	%100
23	M79	X	-.85	-.85	0	%100
24	M79	Z	-.491	-.491	0	%100
25	M84	X	-3.494	-3.494	0	%100
26	M84	Z	-2.017	-2.017	0	%100
27	M85	X	-1.176	-1.176	0	%100
28	M85	Z	-.679	-.679	0	%100
29	M87A	X	-1.211	-1.211	0	%100
30	M87A	Z	-.699	-.699	0	%100
31	M89A	X	-3.494	-3.494	0	%100
32	M89A	Z	-2.017	-2.017	0	%100
33	M90A	X	-4.705	-4.705	0	%100
34	M90A	Z	-2.717	-2.717	0	%100
35	M92	X	-4.846	-4.846	0	%100
36	M92	Z	-2.798	-2.798	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	-3.466	-3.466	0	%100
40	M51A	Z	-2.001	-2.001	0	%100
41	M52	X	-3.466	-3.466	0	%100
42	M52	Z	-2.001	-2.001	0	%100
43	M53A	X	-4.721	-4.721	0	%100
44	M53A	Z	-2.726	-2.726	0	%100
45	M56	X	-.85	-.85	0	%100
46	M56	Z	-.491	-.491	0	%100
47	M57	X	-.85	-.85	0	%100
48	M57	Z	-.491	-.491	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-1.176	-1.176	0	%100
52	M63	Z	-.679	-.679	0	%100
53	M65	X	-1.211	-1.211	0	%100
54	M65	Z	-.699	-.699	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-1.176	-1.176	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,%]
58	M68	Z	-.679	-.679	0	%100
59	M70	X	-1.211	-1.211	0	%100
60	M70	Z	-.699	-.699	0	%100
61	M72	X	-2.775	-2.775	0	%100
62	M72	Z	-1.602	-1.602	0	%100
63	M73A	X	-.866	-.866	0	%100
64	M73A	Z	-.5	-.5	0	%100
65	M74A	X	-.866	-.866	0	%100
66	M74A	Z	-.5	-.5	0	%100
67	M75A	X	-1.18	-1.18	0	%100
68	M75A	Z	-.681	-.681	0	%100
69	M78A	X	-.85	-.85	0	%100
70	M78A	Z	-.491	-.491	0	%100
71	M79A	X	-3.399	-3.399	0	%100
72	M79A	Z	-1.962	-1.962	0	%100
73	M84A	X	-3.494	-3.494	0	%100
74	M84A	Z	-2.017	-2.017	0	%100
75	M85A	X	-4.705	-4.705	0	%100
76	M85A	Z	-2.717	-2.717	0	%100
77	M87	X	-4.846	-4.846	0	%100
78	M87	Z	-2.798	-2.798	0	%100
79	M89	X	-3.494	-3.494	0	%100
80	M89	Z	-2.017	-2.017	0	%100
81	M90	X	-1.176	-1.176	0	%100
82	M90	Z	-.679	-.679	0	%100
83	M92A	X	-1.211	-1.211	0	%100
84	M92A	Z	-.699	-.699	0	%100
85	MP2A	X	-2.953	-2.953	0	%100
86	MP2A	Z	-1.705	-1.705	0	%100
87	MP1C	X	-2.953	-2.953	0	%100
88	MP1C	Z	-1.705	-1.705	0	%100
89	MP4C	X	-2.953	-2.953	0	%100
90	MP4C	Z	-1.705	-1.705	0	%100
91	MP2C	X	-2.953	-2.953	0	%100
92	MP2C	Z	-1.705	-1.705	0	%100
93	MP1B	X	-2.953	-2.953	0	%100
94	MP1B	Z	-1.705	-1.705	0	%100
95	MP4B	X	-2.953	-2.953	0	%100
96	MP4B	Z	-1.705	-1.705	0	%100
97	MP2B	X	-2.953	-2.953	0	%100
98	MP2B	Z	-1.705	-1.705	0	%100
99	M94	X	-2.107	-2.107	0	%100
100	M94	Z	-1.216	-1.216	0	%100
101	M95	X	-2.107	-2.107	0	%100
102	M95	Z	-1.216	-1.216	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-2.428	-2.428	0	%100
106	M98	Z	-1.402	-1.402	0	%100
107	M100	X	-2.428	-2.428	0	%100
108	M100	Z	-1.402	-1.402	0	%100
109	M101	X	-.817	-.817	0	%100
110	M101	Z	-.472	-.472	0	%100
111	M108	X	-.817	-.817	0	%100
112	M108	Z	-.472	-.472	0	%100
113	M115	X	-3.269	-3.269	0	%100
114	M115	Z	-1.887	-1.887	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,%]
115	M122	X	-.88	-.88	0	%100
116	M122	Z	-.508	-.508	0	%100
117	M123	X	-.88	-.88	0	%100
118	M123	Z	-.508	-.508	0	%100
119	M124	X	-3.521	-3.521	0	%100
120	M124	Z	-2.033	-2.033	0	%100
121	M125	X	-4.047	-4.047	0	%100
122	M125	Z	-2.336	-2.336	0	%100
123	M126	X	-4.047	-4.047	0	%100
124	M126	Z	-2.336	-2.336	0	%100
125	M127	X	-2.667	-2.667	0	%100
126	M127	Z	-1.54	-1.54	0	%100
127	MP3C	X	-3.269	-3.269	0	%100
128	MP3C	Z	-1.887	-1.887	0	%100
129	MP3B	X	-3.269	-3.269	0	%100
130	MP3B	Z	-1.887	-1.887	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	M20	X	-1.586	-1.586	0	%100
2	M20	Z	-2.747	-2.747	0	%100
3	M32	X	-1.586	-1.586	0	%100
4	M32	Z	-2.747	-2.747	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-1.705	-1.705	0	%100
8	MP1A	Z	-2.953	-2.953	0	%100
9	MP3A	X	-1.887	-1.887	0	%100
10	MP3A	Z	-3.269	-3.269	0	%100
11	MP4A	X	-1.705	-1.705	0	%100
12	MP4A	Z	-2.953	-2.953	0	%100
13	M72A	X	-2.137	-2.137	0	%100
14	M72A	Z	-3.701	-3.701	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	-1.472	-1.472	0	%100
22	M78	Z	-2.549	-2.549	0	%100
23	M79	X	-1.472	-1.472	0	%100
24	M79	Z	-2.549	-2.549	0	%100
25	M84	X	-2.69	-2.69	0	%100
26	M84	Z	-4.659	-4.659	0	%100
27	M85	X	-2.037	-2.037	0	%100
28	M85	Z	-3.529	-3.529	0	%100
29	M87A	X	-2.098	-2.098	0	%100
30	M87A	Z	-3.634	-3.634	0	%100
31	M89A	X	-2.69	-2.69	0	%100
32	M89A	Z	-4.659	-4.659	0	%100
33	M90A	X	-2.037	-2.037	0	%100
34	M90A	Z	-3.529	-3.529	0	%100
35	M92	X	-2.098	-2.098	0	%100
36	M92	Z	-3.634	-3.634	0	%100
37	M50A	X	-.534	-.534	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,%]
38	M50A	Z	-.925	-.925	0	%100
39	M51A	X	-1.501	-1.501	0	%100
40	M51A	Z	-2.599	-2.599	0	%100
41	M52	X	-1.501	-1.501	0	%100
42	M52	Z	-2.599	-2.599	0	%100
43	M53A	X	-2.044	-2.044	0	%100
44	M53A	Z	-3.541	-3.541	0	%100
45	M56	X	-1.472	-1.472	0	%100
46	M56	Z	-2.549	-2.549	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	-.672	-.672	0	%100
50	M62	Z	-1.165	-1.165	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	-.672	-.672	0	%100
56	M67	Z	-1.165	-1.165	0	%100
57	M68	X	-2.037	-2.037	0	%100
58	M68	Z	-3.529	-3.529	0	%100
59	M70	X	-2.098	-2.098	0	%100
60	M70	Z	-3.634	-3.634	0	%100
61	M72	X	-.534	-.534	0	%100
62	M72	Z	-.925	-.925	0	%100
63	M73A	X	-1.501	-1.501	0	%100
64	M73A	Z	-2.599	-2.599	0	%100
65	M74A	X	-1.501	-1.501	0	%100
66	M74A	Z	-2.599	-2.599	0	%100
67	M75A	X	-2.044	-2.044	0	%100
68	M75A	Z	-3.541	-3.541	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	-1.472	-1.472	0	%100
72	M79A	Z	-2.549	-2.549	0	%100
73	M84A	X	-.672	-.672	0	%100
74	M84A	Z	-1.165	-1.165	0	%100
75	M85A	X	-2.037	-2.037	0	%100
76	M85A	Z	-3.529	-3.529	0	%100
77	M87	X	-2.098	-2.098	0	%100
78	M87	Z	-3.634	-3.634	0	%100
79	M89	X	-.672	-.672	0	%100
80	M89	Z	-1.165	-1.165	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	-1.705	-1.705	0	%100
86	MP2A	Z	-2.953	-2.953	0	%100
87	MP1C	X	-1.705	-1.705	0	%100
88	MP1C	Z	-2.953	-2.953	0	%100
89	MP4C	X	-1.705	-1.705	0	%100
90	MP4C	Z	-2.953	-2.953	0	%100
91	MP2C	X	-1.705	-1.705	0	%100
92	MP2C	Z	-2.953	-2.953	0	%100
93	MP1B	X	-1.705	-1.705	0	%100
94	MP1B	Z	-2.953	-2.953	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,%]
95	MP4B	X	-1.705	-1.705	0	%100
96	MP4B	Z	-2.953	-2.953	0	%100
97	MP2B	X	-1.705	-1.705	0	%100
98	MP2B	Z	-2.953	-2.953	0	%100
99	M94	X	-1.622	-1.622	0	%100
100	M94	Z	-2.809	-2.809	0	%100
101	M95	X	-.405	-.405	0	%100
102	M95	Z	-.702	-.702	0	%100
103	M96	X	-.405	-.405	0	%100
104	M96	Z	-.702	-.702	0	%100
105	M98	X	-1.402	-1.402	0	%100
106	M98	Z	-2.428	-2.428	0	%100
107	M100	X	-1.402	-1.402	0	%100
108	M100	Z	-2.428	-2.428	0	%100
109	M101	X	-1.415	-1.415	0	%100
110	M101	Z	-2.452	-2.452	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-1.415	-1.415	0	%100
114	M115	Z	-2.452	-2.452	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-1.525	-1.525	0	%100
118	M123	Z	-2.641	-2.641	0	%100
119	M124	X	-1.525	-1.525	0	%100
120	M124	Z	-2.641	-2.641	0	%100
121	M125	X	-1.805	-1.805	0	%100
122	M125	Z	-3.127	-3.127	0	%100
123	M126	X	-2.602	-2.602	0	%100
124	M126	Z	-4.507	-4.507	0	%100
125	M127	X	-1.805	-1.805	0	%100
126	M127	Z	-3.127	-3.127	0	%100
127	MP3C	X	-1.887	-1.887	0	%100
128	MP3C	Z	-3.269	-3.269	0	%100
129	MP3B	X	-1.887	-1.887	0	%100
130	MP3B	Z	-3.269	-3.269	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	M20	X	0	0	0	%100
2	M20	Z	-.222	-.222	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	-.887	-.887	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	-.222	-.222	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	-.623	-.623	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	-.754	-.754	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	-.623	-.623	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	-.7	-.7	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	-.244	-.244	0	%100
17	M74	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,%]
18	M74	Z	-.244	-.244	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	-.394	-.394	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	-.214	-.214	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	-.857	-.857	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	-1.188	-1.188	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	-1.603	-1.603	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	-1.662	-1.662	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	-1.188	-1.188	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	-.401	-.401	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	-.415	-.415	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	-.7	-.7	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	-.244	-.244	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	-.244	-.244	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	-.394	-.394	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	-.857	-.857	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	-.214	-.214	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	-1.188	-1.188	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	-.401	-.401	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	-.415	-.415	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	-1.188	-1.188	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	-1.603	-1.603	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	-1.662	-1.662	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	-.976	-.976	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	-.976	-.976	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	-1.574	-1.574	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	-.214	-.214	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	-.214	-.214	0	%100
73	M84A	X	0	0	0	%100
74	M84A	Z	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,%]
75	M85A	X	0	0	0	%100
76	M85A	Z	-.401	-.401	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	-.415	-.415	0	%100
79	M89	X	0	0	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	-.401	-.401	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	-.415	-.415	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	-.623	-.623	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	-.623	-.623	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	-.623	-.623	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	-.623	-.623	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	-.623	-.623	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	-.623	-.623	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	-.623	-.623	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	-.57	-.57	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	-.57	-.57	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	-.51	-.51	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	-.51	-.51	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	-.754	-.754	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	-.189	-.189	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	-.189	-.189	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	-.247	-.247	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	-.99	-.99	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	-.247	-.247	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	-.863	-.863	0	%100
123	M126	X	0	0	0	%100
124	M126	Z	-1.167	-1.167	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	-1.167	-1.167	0	%100
127	MP3C	X	0	0	0	%100
128	MP3C	Z	-.754	-.754	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	-.754	-.754	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	.332	.332	0	%100
4	M32	Z	-.576	-.576	0	%100
5	M33A	X	.332	.332	0	%100
6	M33A	Z	-.576	-.576	0	%100
7	MP1A	X	.312	.312	0	%100
8	MP1A	Z	-.54	-.54	0	%100
9	MP3A	X	.377	.377	0	%100
10	MP3A	Z	-.653	-.653	0	%100
11	MP4A	X	.312	.312	0	%100
12	MP4A	Z	-.54	-.54	0	%100
13	M72A	X	.117	.117	0	%100
14	M72A	Z	-.202	-.202	0	%100
15	M73	X	.366	.366	0	%100
16	M73	Z	-.634	-.634	0	%100
17	M74	X	.366	.366	0	%100
18	M74	Z	-.634	-.634	0	%100
19	M75	X	.59	.59	0	%100
20	M75	Z	-1.022	-1.022	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	.321	.321	0	%100
24	M79	Z	-.557	-.557	0	%100
25	M84	X	.198	.198	0	%100
26	M84	Z	-.343	-.343	0	%100
27	M85	X	.601	.601	0	%100
28	M85	Z	-1.041	-1.041	0	%100
29	M87A	X	.623	.623	0	%100
30	M87A	Z	-1.079	-1.079	0	%100
31	M89A	X	.198	.198	0	%100
32	M89A	Z	-.343	-.343	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	.467	.467	0	%100
38	M50A	Z	-.809	-.809	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	.321	.321	0	%100
46	M56	Z	-.557	-.557	0	%100
47	M57	X	.321	.321	0	%100
48	M57	Z	-.557	-.557	0	%100
49	M62	X	.792	.792	0	%100
50	M62	Z	-1.372	-1.372	0	%100
51	M63	X	.601	.601	0	%100
52	M63	Z	-1.041	-1.041	0	%100
53	M65	X	.623	.623	0	%100
54	M65	Z	-1.079	-1.079	0	%100
55	M67	X	.792	.792	0	%100
56	M67	Z	-1.372	-1.372	0	%100
57	M68	X	.601	.601	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,%]
58	M68	Z	-1.041	-1.041	0	%100
59	M70	X	.623	.623	0	%100
60	M70	Z	-1.079	-1.079	0	%100
61	M72	X	.117	.117	0	%100
62	M72	Z	-.202	-.202	0	%100
63	M73A	X	.366	.366	0	%100
64	M73A	Z	-.634	-.634	0	%100
65	M74A	X	.366	.366	0	%100
66	M74A	Z	-.634	-.634	0	%100
67	M75A	X	.59	.59	0	%100
68	M75A	Z	-1.022	-1.022	0	%100
69	M78A	X	.321	.321	0	%100
70	M78A	Z	-.557	-.557	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	.198	.198	0	%100
74	M84A	Z	-.343	-.343	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	.198	.198	0	%100
80	M89	Z	-.343	-.343	0	%100
81	M90	X	.601	.601	0	%100
82	M90	Z	-1.041	-1.041	0	%100
83	M92A	X	.623	.623	0	%100
84	M92A	Z	-1.079	-1.079	0	%100
85	MP2A	X	.312	.312	0	%100
86	MP2A	Z	-.54	-.54	0	%100
87	MP1C	X	.312	.312	0	%100
88	MP1C	Z	-.54	-.54	0	%100
89	MP4C	X	.312	.312	0	%100
90	MP4C	Z	-.54	-.54	0	%100
91	MP2C	X	.312	.312	0	%100
92	MP2C	Z	-.54	-.54	0	%100
93	MP1B	X	.312	.312	0	%100
94	MP1B	Z	-.54	-.54	0	%100
95	MP4B	X	.312	.312	0	%100
96	MP4B	Z	-.54	-.54	0	%100
97	MP2B	X	.312	.312	0	%100
98	MP2B	Z	-.54	-.54	0	%100
99	M94	X	.095	.095	0	%100
100	M94	Z	-.165	-.165	0	%100
101	M95	X	.095	.095	0	%100
102	M95	Z	-.165	-.165	0	%100
103	M96	X	.38	.38	0	%100
104	M96	Z	-.658	-.658	0	%100
105	M98	X	.255	.255	0	%100
106	M98	Z	-.441	-.441	0	%100
107	M100	X	.255	.255	0	%100
108	M100	Z	-.441	-.441	0	%100
109	M101	X	.283	.283	0	%100
110	M101	Z	-.49	-.49	0	%100
111	M108	X	.283	.283	0	%100
112	M108	Z	-.49	-.49	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	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,%]
115	M122	X	.371	.371	0	%100
116	M122	Z	-.643	-.643	0	%100
117	M123	X	.371	.371	0	%100
118	M123	Z	-.643	-.643	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	.482	.482	0	%100
122	M125	Z	-.836	-.836	0	%100
123	M126	X	.482	.482	0	%100
124	M126	Z	-.836	-.836	0	%100
125	M127	X	.634	.634	0	%100
126	M127	Z	-1.099	-1.099	0	%100
127	MP3C	X	.377	.377	0	%100
128	MP3C	Z	-.653	-.653	0	%100
129	MP3B	X	.377	.377	0	%100
130	MP3B	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	M20	X	.192	.192	0	%100
2	M20	Z	-.111	-.111	0	%100
3	M32	X	.192	.192	0	%100
4	M32	Z	-.111	-.111	0	%100
5	M33A	X	.768	.768	0	%100
6	M33A	Z	-.443	-.443	0	%100
7	MP1A	X	.54	.54	0	%100
8	MP1A	Z	-.312	-.312	0	%100
9	MP3A	X	.653	.653	0	%100
10	MP3A	Z	-.377	-.377	0	%100
11	MP4A	X	.54	.54	0	%100
12	MP4A	Z	-.312	-.312	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	.845	.845	0	%100
16	M73	Z	-.488	-.488	0	%100
17	M74	X	.845	.845	0	%100
18	M74	Z	-.488	-.488	0	%100
19	M75	X	1.363	1.363	0	%100
20	M75	Z	-.787	-.787	0	%100
21	M78	X	.186	.186	0	%100
22	M78	Z	-.107	-.107	0	%100
23	M79	X	.186	.186	0	%100
24	M79	Z	-.107	-.107	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	.347	.347	0	%100
28	M85	Z	-.2	-.2	0	%100
29	M87A	X	.36	.36	0	%100
30	M87A	Z	-.208	-.208	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	.347	.347	0	%100
34	M90A	Z	-.2	-.2	0	%100
35	M92	X	.36	.36	0	%100
36	M92	Z	-.208	-.208	0	%100
37	M50A	X	.606	.606	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,%]
38	M50A	Z	-.35	-.35	0	%100
39	M51A	X	.211	.211	0	%100
40	M51A	Z	-.122	-.122	0	%100
41	M52	X	.211	.211	0	%100
42	M52	Z	-.122	-.122	0	%100
43	M53A	X	.341	.341	0	%100
44	M53A	Z	-.197	-.197	0	%100
45	M56	X	.186	.186	0	%100
46	M56	Z	-.107	-.107	0	%100
47	M57	X	.742	.742	0	%100
48	M57	Z	-.429	-.429	0	%100
49	M62	X	1.029	1.029	0	%100
50	M62	Z	-.594	-.594	0	%100
51	M63	X	1.388	1.388	0	%100
52	M63	Z	-.802	-.802	0	%100
53	M65	X	1.439	1.439	0	%100
54	M65	Z	-.831	-.831	0	%100
55	M67	X	1.029	1.029	0	%100
56	M67	Z	-.594	-.594	0	%100
57	M68	X	.347	.347	0	%100
58	M68	Z	-.2	-.2	0	%100
59	M70	X	.36	.36	0	%100
60	M70	Z	-.208	-.208	0	%100
61	M72	X	.606	.606	0	%100
62	M72	Z	-.35	-.35	0	%100
63	M73A	X	.211	.211	0	%100
64	M73A	Z	-.122	-.122	0	%100
65	M74A	X	.211	.211	0	%100
66	M74A	Z	-.122	-.122	0	%100
67	M75A	X	.341	.341	0	%100
68	M75A	Z	-.197	-.197	0	%100
69	M78A	X	.742	.742	0	%100
70	M78A	Z	-.428	-.428	0	%100
71	M79A	X	.186	.186	0	%100
72	M79A	Z	-.107	-.107	0	%100
73	M84A	X	1.029	1.029	0	%100
74	M84A	Z	-.594	-.594	0	%100
75	M85A	X	.347	.347	0	%100
76	M85A	Z	-.2	-.2	0	%100
77	M87	X	.36	.36	0	%100
78	M87	Z	-.208	-.208	0	%100
79	M89	X	1.029	1.029	0	%100
80	M89	Z	-.594	-.594	0	%100
81	M90	X	1.388	1.388	0	%100
82	M90	Z	-.802	-.802	0	%100
83	M92A	X	1.439	1.439	0	%100
84	M92A	Z	-.831	-.831	0	%100
85	MP2A	X	.54	.54	0	%100
86	MP2A	Z	-.312	-.312	0	%100
87	MP1C	X	.54	.54	0	%100
88	MP1C	Z	-.312	-.312	0	%100
89	MP4C	X	.54	.54	0	%100
90	MP4C	Z	-.312	-.312	0	%100
91	MP2C	X	.54	.54	0	%100
92	MP2C	Z	-.312	-.312	0	%100
93	MP1B	X	.54	.54	0	%100
94	MP1B	Z	-.312	-.312	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,%]
95	MP4B	X	.54	.54	0	%100
96	MP4B	Z	-.312	-.312	0	%100
97	MP2B	X	.54	.54	0	%100
98	MP2B	Z	-.312	-.312	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	.494	.494	0	%100
102	M95	Z	-.285	-.285	0	%100
103	M96	X	.494	.494	0	%100
104	M96	Z	-.285	-.285	0	%100
105	M98	X	.441	.441	0	%100
106	M98	Z	-.255	-.255	0	%100
107	M100	X	.441	.441	0	%100
108	M100	Z	-.255	-.255	0	%100
109	M101	X	.163	.163	0	%100
110	M101	Z	-.094	-.094	0	%100
111	M108	X	.653	.653	0	%100
112	M108	Z	-.377	-.377	0	%100
113	M115	X	.163	.163	0	%100
114	M115	Z	-.094	-.094	0	%100
115	M122	X	.857	.857	0	%100
116	M122	Z	-.495	-.495	0	%100
117	M123	X	.214	.214	0	%100
118	M123	Z	-.124	-.124	0	%100
119	M124	X	.214	.214	0	%100
120	M124	Z	-.124	-.124	0	%100
121	M125	X	1.011	1.011	0	%100
122	M125	Z	-.584	-.584	0	%100
123	M126	X	.748	.748	0	%100
124	M126	Z	-.432	-.432	0	%100
125	M127	X	1.011	1.011	0	%100
126	M127	Z	-.584	-.584	0	%100
127	MP3C	X	.653	.653	0	%100
128	MP3C	Z	-.377	-.377	0	%100
129	MP3B	X	.653	.653	0	%100
130	MP3B	Z	-.377	-.377	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	M20	X	.665	.665	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	.665	.665	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	.623	.623	0	%100
8	MP1A	Z	0	0	0	%100
9	MP3A	X	.754	.754	0	%100
10	MP3A	Z	0	0	0	%100
11	MP4A	X	.623	.623	0	%100
12	MP4A	Z	0	0	0	%100
13	M72A	X	.233	.233	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	.732	.732	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	.732	.732	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,%]
18	M74	Z	0	0	0	%100
19	M75	X	1.181	1.181	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	.643	.643	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
25	M84	X	.396	.396	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	0	0	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	0	0	0	%100
31	M89A	X	.396	.396	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	1.202	1.202	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	1.246	1.246	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	.233	.233	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	.732	.732	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	.732	.732	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	1.181	1.181	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	.643	.643	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	.396	.396	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	1.202	1.202	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	1.246	1.246	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	.396	.396	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M72	X	.934	.934	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	.643	.643	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	.643	.643	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	1.584	1.584	0	%100
74	M84A	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,%]
75	M85A	X	1.202	1.202	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	1.246	1.246	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	1.584	1.584	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	1.202	1.202	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	1.246	1.246	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	.623	.623	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	.623	.623	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	.623	.623	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	.623	.623	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1B	X	.623	.623	0	%100
94	MP1B	Z	0	0	0	%100
95	MP4B	X	.623	.623	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	.623	.623	0	%100
98	MP2B	Z	0	0	0	%100
99	M94	X	.19	.19	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	.76	.76	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	.19	.19	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	.51	.51	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	.51	.51	0	%100
108	M100	Z	0	0	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	.566	.566	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	.566	.566	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	.742	.742	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	.742	.742	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	1.269	1.269	0	%100
122	M125	Z	0	0	0	%100
123	M126	X	.965	.965	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	.965	.965	0	%100
126	M127	Z	0	0	0	%100
127	MP3C	X	.754	.754	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	.754	.754	0	%100
130	MP3B	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	M20	X	.768	.768	0	%100
2	M20	Z	.443	.443	0	%100
3	M32	X	.192	.192	0	%100
4	M32	Z	.111	.111	0	%100
5	M33A	X	.192	.192	0	%100
6	M33A	Z	.111	.111	0	%100
7	MP1A	X	.54	.54	0	%100
8	MP1A	Z	.312	.312	0	%100
9	MP3A	X	.653	.653	0	%100
10	MP3A	Z	.377	.377	0	%100
11	MP4A	X	.54	.54	0	%100
12	MP4A	Z	.312	.312	0	%100
13	M72A	X	.606	.606	0	%100
14	M72A	Z	.35	.35	0	%100
15	M73	X	.211	.211	0	%100
16	M73	Z	.122	.122	0	%100
17	M74	X	.211	.211	0	%100
18	M74	Z	.122	.122	0	%100
19	M75	X	.341	.341	0	%100
20	M75	Z	.197	.197	0	%100
21	M78	X	.742	.742	0	%100
22	M78	Z	.428	.428	0	%100
23	M79	X	.186	.186	0	%100
24	M79	Z	.107	.107	0	%100
25	M84	X	1.029	1.029	0	%100
26	M84	Z	.594	.594	0	%100
27	M85	X	.347	.347	0	%100
28	M85	Z	.2	.2	0	%100
29	M87A	X	.36	.36	0	%100
30	M87A	Z	.208	.208	0	%100
31	M89A	X	1.029	1.029	0	%100
32	M89A	Z	.594	.594	0	%100
33	M90A	X	1.388	1.388	0	%100
34	M90A	Z	.802	.802	0	%100
35	M92	X	1.439	1.439	0	%100
36	M92	Z	.831	.831	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	.845	.845	0	%100
40	M51A	Z	.488	.488	0	%100
41	M52	X	.845	.845	0	%100
42	M52	Z	.488	.488	0	%100
43	M53A	X	1.363	1.363	0	%100
44	M53A	Z	.787	.787	0	%100
45	M56	X	.186	.186	0	%100
46	M56	Z	.107	.107	0	%100
47	M57	X	.186	.186	0	%100
48	M57	Z	.107	.107	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	.347	.347	0	%100
52	M63	Z	.2	.2	0	%100
53	M65	X	.36	.36	0	%100
54	M65	Z	.208	.208	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	.347	.347	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,%]
58	M68	Z	.2	.2	0	%100
59	M70	X	.36	.36	0	%100
60	M70	Z	.208	.208	0	%100
61	M72	X	.606	.606	0	%100
62	M72	Z	.35	.35	0	%100
63	M73A	X	.211	.211	0	%100
64	M73A	Z	.122	.122	0	%100
65	M74A	X	.211	.211	0	%100
66	M74A	Z	.122	.122	0	%100
67	M75A	X	.341	.341	0	%100
68	M75A	Z	.197	.197	0	%100
69	M78A	X	.186	.186	0	%100
70	M78A	Z	.107	.107	0	%100
71	M79A	X	.742	.742	0	%100
72	M79A	Z	.429	.429	0	%100
73	M84A	X	1.029	1.029	0	%100
74	M84A	Z	.594	.594	0	%100
75	M85A	X	1.388	1.388	0	%100
76	M85A	Z	.802	.802	0	%100
77	M87	X	1.439	1.439	0	%100
78	M87	Z	.831	.831	0	%100
79	M89	X	1.029	1.029	0	%100
80	M89	Z	.594	.594	0	%100
81	M90	X	.347	.347	0	%100
82	M90	Z	.2	.2	0	%100
83	M92A	X	.36	.36	0	%100
84	M92A	Z	.208	.208	0	%100
85	MP2A	X	.54	.54	0	%100
86	MP2A	Z	.312	.312	0	%100
87	MP1C	X	.54	.54	0	%100
88	MP1C	Z	.312	.312	0	%100
89	MP4C	X	.54	.54	0	%100
90	MP4C	Z	.312	.312	0	%100
91	MP2C	X	.54	.54	0	%100
92	MP2C	Z	.312	.312	0	%100
93	MP1B	X	.54	.54	0	%100
94	MP1B	Z	.312	.312	0	%100
95	MP4B	X	.54	.54	0	%100
96	MP4B	Z	.312	.312	0	%100
97	MP2B	X	.54	.54	0	%100
98	MP2B	Z	.312	.312	0	%100
99	M94	X	.494	.494	0	%100
100	M94	Z	.285	.285	0	%100
101	M95	X	.494	.494	0	%100
102	M95	Z	.285	.285	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	.441	.441	0	%100
106	M98	Z	.255	.255	0	%100
107	M100	X	.441	.441	0	%100
108	M100	Z	.255	.255	0	%100
109	M101	X	.163	.163	0	%100
110	M101	Z	.094	.094	0	%100
111	M108	X	.163	.163	0	%100
112	M108	Z	.094	.094	0	%100
113	M115	X	.653	.653	0	%100
114	M115	Z	.377	.377	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,%]
115	M122	X	.214	.214	0	%100
116	M122	Z	.124	.124	0	%100
117	M123	X	.214	.214	0	%100
118	M123	Z	.124	.124	0	%100
119	M124	X	.857	.857	0	%100
120	M124	Z	.495	.495	0	%100
121	M125	X	1.011	1.011	0	%100
122	M125	Z	.584	.584	0	%100
123	M126	X	1.011	1.011	0	%100
124	M126	Z	.584	.584	0	%100
125	M127	X	.748	.748	0	%100
126	M127	Z	.432	.432	0	%100
127	MP3C	X	.653	.653	0	%100
128	MP3C	Z	.377	.377	0	%100
129	MP3B	X	.653	.653	0	%100
130	MP3B	Z	.377	.377	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	M20	X	.332	.332	0	%100
2	M20	Z	.576	.576	0	%100
3	M32	X	.332	.332	0	%100
4	M32	Z	.576	.576	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	.312	.312	0	%100
8	MP1A	Z	.54	.54	0	%100
9	MP3A	X	.377	.377	0	%100
10	MP3A	Z	.653	.653	0	%100
11	MP4A	X	.312	.312	0	%100
12	MP4A	Z	.54	.54	0	%100
13	M72A	X	.467	.467	0	%100
14	M72A	Z	.809	.809	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	.321	.321	0	%100
22	M78	Z	.557	.557	0	%100
23	M79	X	.321	.321	0	%100
24	M79	Z	.557	.557	0	%100
25	M84	X	.792	.792	0	%100
26	M84	Z	1.372	1.372	0	%100
27	M85	X	.601	.601	0	%100
28	M85	Z	1.041	1.041	0	%100
29	M87A	X	.623	.623	0	%100
30	M87A	Z	1.079	1.079	0	%100
31	M89A	X	.792	.792	0	%100
32	M89A	Z	1.372	1.372	0	%100
33	M90A	X	.601	.601	0	%100
34	M90A	Z	1.041	1.041	0	%100
35	M92	X	.623	.623	0	%100
36	M92	Z	1.079	1.079	0	%100
37	M50A	X	.117	.117	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,%]
38	M50A	Z	.202	.202	0	%100
39	M51A	X	.366	.366	0	%100
40	M51A	Z	.634	.634	0	%100
41	M52	X	.366	.366	0	%100
42	M52	Z	.634	.634	0	%100
43	M53A	X	.59	.59	0	%100
44	M53A	Z	1.022	1.022	0	%100
45	M56	X	.321	.321	0	%100
46	M56	Z	.557	.557	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	.198	.198	0	%100
50	M62	Z	.343	.343	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	.198	.198	0	%100
56	M67	Z	.343	.343	0	%100
57	M68	X	.601	.601	0	%100
58	M68	Z	1.041	1.041	0	%100
59	M70	X	.623	.623	0	%100
60	M70	Z	1.079	1.079	0	%100
61	M72	X	.117	.117	0	%100
62	M72	Z	.202	.202	0	%100
63	M73A	X	.366	.366	0	%100
64	M73A	Z	.634	.634	0	%100
65	M74A	X	.366	.366	0	%100
66	M74A	Z	.634	.634	0	%100
67	M75A	X	.59	.59	0	%100
68	M75A	Z	1.022	1.022	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	.321	.321	0	%100
72	M79A	Z	.557	.557	0	%100
73	M84A	X	.198	.198	0	%100
74	M84A	Z	.343	.343	0	%100
75	M85A	X	.601	.601	0	%100
76	M85A	Z	1.041	1.041	0	%100
77	M87	X	.623	.623	0	%100
78	M87	Z	1.079	1.079	0	%100
79	M89	X	.198	.198	0	%100
80	M89	Z	.343	.343	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	.312	.312	0	%100
86	MP2A	Z	.54	.54	0	%100
87	MP1C	X	.312	.312	0	%100
88	MP1C	Z	.54	.54	0	%100
89	MP4C	X	.312	.312	0	%100
90	MP4C	Z	.54	.54	0	%100
91	MP2C	X	.312	.312	0	%100
92	MP2C	Z	.54	.54	0	%100
93	MP1B	X	.312	.312	0	%100
94	MP1B	Z	.54	.54	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,%]
95	MP4B	X	.312	.312	0	%100
96	MP4B	Z	.54	.54	0	%100
97	MP2B	X	.312	.312	0	%100
98	MP2B	Z	.54	.54	0	%100
99	M94	X	.38	.38	0	%100
100	M94	Z	.658	.658	0	%100
101	M95	X	.095	.095	0	%100
102	M95	Z	.165	.165	0	%100
103	M96	X	.095	.095	0	%100
104	M96	Z	.165	.165	0	%100
105	M98	X	.255	.255	0	%100
106	M98	Z	.441	.441	0	%100
107	M100	X	.255	.255	0	%100
108	M100	Z	.441	.441	0	%100
109	M101	X	.283	.283	0	%100
110	M101	Z	.49	.49	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	.283	.283	0	%100
114	M115	Z	.49	.49	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	.371	.371	0	%100
118	M123	Z	.643	.643	0	%100
119	M124	X	.371	.371	0	%100
120	M124	Z	.643	.643	0	%100
121	M125	X	.482	.482	0	%100
122	M125	Z	.836	.836	0	%100
123	M126	X	.634	.634	0	%100
124	M126	Z	1.099	1.099	0	%100
125	M127	X	.482	.482	0	%100
126	M127	Z	.836	.836	0	%100
127	MP3C	X	.377	.377	0	%100
128	MP3C	Z	.653	.653	0	%100
129	MP3B	X	.377	.377	0	%100
130	MP3B	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	M20	X	0	0	0	%100
2	M20	Z	.222	.222	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	.887	.887	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	.222	.222	0	%100
7	MP1A	X	0	0	0	%100
8	MP1A	Z	.623	.623	0	%100
9	MP3A	X	0	0	0	%100
10	MP3A	Z	.754	.754	0	%100
11	MP4A	X	0	0	0	%100
12	MP4A	Z	.623	.623	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	.7	.7	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	.244	.244	0	%100
17	M74	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,%]
18	M74	Z	.244	.244	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	.394	.394	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	.214	.214	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	.857	.857	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	1.188	1.188	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	1.603	1.603	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	1.662	1.662	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	1.188	1.188	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	.401	.401	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	.415	.415	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	.7	.7	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	.244	.244	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	.244	.244	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	.394	.394	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	.857	.857	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	.214	.214	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	1.188	1.188	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	.401	.401	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	.415	.415	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	1.188	1.188	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	1.603	1.603	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	1.662	1.662	0	%100
61	M72	X	0	0	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	.976	.976	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	.976	.976	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	1.574	1.574	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	.214	.214	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	.214	.214	0	%100
73	M84A	X	0	0	0	%100
74	M84A	Z	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,%]
75	M85A	X	0	0	0	%100
76	M85A	Z	.401	.401	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	.415	.415	0	%100
79	M89	X	0	0	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	.401	.401	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	.415	.415	0	%100
85	MP2A	X	0	0	0	%100
86	MP2A	Z	.623	.623	0	%100
87	MP1C	X	0	0	0	%100
88	MP1C	Z	.623	.623	0	%100
89	MP4C	X	0	0	0	%100
90	MP4C	Z	.623	.623	0	%100
91	MP2C	X	0	0	0	%100
92	MP2C	Z	.623	.623	0	%100
93	MP1B	X	0	0	0	%100
94	MP1B	Z	.623	.623	0	%100
95	MP4B	X	0	0	0	%100
96	MP4B	Z	.623	.623	0	%100
97	MP2B	X	0	0	0	%100
98	MP2B	Z	.623	.623	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	.57	.57	0	%100
101	M95	X	0	0	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	.57	.57	0	%100
105	M98	X	0	0	0	%100
106	M98	Z	.51	.51	0	%100
107	M100	X	0	0	0	%100
108	M100	Z	.51	.51	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	.754	.754	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	.189	.189	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	.189	.189	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	.247	.247	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	.99	.99	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	.247	.247	0	%100
121	M125	X	0	0	0	%100
122	M125	Z	.863	.863	0	%100
123	M126	X	0	0	0	%100
124	M126	Z	1.167	1.167	0	%100
125	M127	X	0	0	0	%100
126	M127	Z	1.167	1.167	0	%100
127	MP3C	X	0	0	0	%100
128	MP3C	Z	.754	.754	0	%100
129	MP3B	X	0	0	0	%100
130	MP3B	Z	.754	.754	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	M20	X	0	0	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	-.332	-.332	0	%100
4	M32	Z	.576	.576	0	%100
5	M33A	X	-.332	-.332	0	%100
6	M33A	Z	.576	.576	0	%100
7	MP1A	X	-.312	-.312	0	%100
8	MP1A	Z	.54	.54	0	%100
9	MP3A	X	-.377	-.377	0	%100
10	MP3A	Z	.653	.653	0	%100
11	MP4A	X	-.312	-.312	0	%100
12	MP4A	Z	.54	.54	0	%100
13	M72A	X	-.117	-.117	0	%100
14	M72A	Z	.202	.202	0	%100
15	M73	X	-.366	-.366	0	%100
16	M73	Z	.634	.634	0	%100
17	M74	X	-.366	-.366	0	%100
18	M74	Z	.634	.634	0	%100
19	M75	X	-.59	-.59	0	%100
20	M75	Z	1.022	1.022	0	%100
21	M78	X	0	0	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	-.321	-.321	0	%100
24	M79	Z	.557	.557	0	%100
25	M84	X	-.198	-.198	0	%100
26	M84	Z	.343	.343	0	%100
27	M85	X	-.601	-.601	0	%100
28	M85	Z	1.041	1.041	0	%100
29	M87A	X	-.623	-.623	0	%100
30	M87A	Z	1.079	1.079	0	%100
31	M89A	X	-.198	-.198	0	%100
32	M89A	Z	.343	.343	0	%100
33	M90A	X	0	0	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	0	0	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	-.467	-.467	0	%100
38	M50A	Z	.809	.809	0	%100
39	M51A	X	0	0	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	0	0	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	0	0	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	-.321	-.321	0	%100
46	M56	Z	.557	.557	0	%100
47	M57	X	-.321	-.321	0	%100
48	M57	Z	.557	.557	0	%100
49	M62	X	-.792	-.792	0	%100
50	M62	Z	1.372	1.372	0	%100
51	M63	X	-.601	-.601	0	%100
52	M63	Z	1.041	1.041	0	%100
53	M65	X	-.623	-.623	0	%100
54	M65	Z	1.079	1.079	0	%100
55	M67	X	-.792	-.792	0	%100
56	M67	Z	1.372	1.372	0	%100
57	M68	X	-.601	-.601	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,%]
58	M68	Z	1.041	1.041	0	%100
59	M70	X	-.623	-.623	0	%100
60	M70	Z	1.079	1.079	0	%100
61	M72	X	-.117	-.117	0	%100
62	M72	Z	.202	.202	0	%100
63	M73A	X	-.366	-.366	0	%100
64	M73A	Z	.634	.634	0	%100
65	M74A	X	-.366	-.366	0	%100
66	M74A	Z	.634	.634	0	%100
67	M75A	X	-.59	-.59	0	%100
68	M75A	Z	1.022	1.022	0	%100
69	M78A	X	-.321	-.321	0	%100
70	M78A	Z	.557	.557	0	%100
71	M79A	X	0	0	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	-.198	-.198	0	%100
74	M84A	Z	.343	.343	0	%100
75	M85A	X	0	0	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	0	0	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-.198	-.198	0	%100
80	M89	Z	.343	.343	0	%100
81	M90	X	-.601	-.601	0	%100
82	M90	Z	1.041	1.041	0	%100
83	M92A	X	-.623	-.623	0	%100
84	M92A	Z	1.079	1.079	0	%100
85	MP2A	X	-.312	-.312	0	%100
86	MP2A	Z	.54	.54	0	%100
87	MP1C	X	-.312	-.312	0	%100
88	MP1C	Z	.54	.54	0	%100
89	MP4C	X	-.312	-.312	0	%100
90	MP4C	Z	.54	.54	0	%100
91	MP2C	X	-.312	-.312	0	%100
92	MP2C	Z	.54	.54	0	%100
93	MP1B	X	-.312	-.312	0	%100
94	MP1B	Z	.54	.54	0	%100
95	MP4B	X	-.312	-.312	0	%100
96	MP4B	Z	.54	.54	0	%100
97	MP2B	X	-.312	-.312	0	%100
98	MP2B	Z	.54	.54	0	%100
99	M94	X	-.095	-.095	0	%100
100	M94	Z	.165	.165	0	%100
101	M95	X	-.095	-.095	0	%100
102	M95	Z	.165	.165	0	%100
103	M96	X	-.38	-.38	0	%100
104	M96	Z	.658	.658	0	%100
105	M98	X	-.255	-.255	0	%100
106	M98	Z	.441	.441	0	%100
107	M100	X	-.255	-.255	0	%100
108	M100	Z	.441	.441	0	%100
109	M101	X	-.283	-.283	0	%100
110	M101	Z	.49	.49	0	%100
111	M108	X	-.283	-.283	0	%100
112	M108	Z	.49	.49	0	%100
113	M115	X	0	0	0	%100
114	M115	Z	0	0	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,%]
115	M122	X	-.371	-.371	0	%100
116	M122	Z	.643	.643	0	%100
117	M123	X	-.371	-.371	0	%100
118	M123	Z	.643	.643	0	%100
119	M124	X	0	0	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-.482	-.482	0	%100
122	M125	Z	.836	.836	0	%100
123	M126	X	-.482	-.482	0	%100
124	M126	Z	.836	.836	0	%100
125	M127	X	-.634	-.634	0	%100
126	M127	Z	1.099	1.099	0	%100
127	MP3C	X	-.377	-.377	0	%100
128	MP3C	Z	.653	.653	0	%100
129	MP3B	X	-.377	-.377	0	%100
130	MP3B	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	M20	X	-.192	-.192	0	%100
2	M20	Z	.111	.111	0	%100
3	M32	X	-.192	-.192	0	%100
4	M32	Z	.111	.111	0	%100
5	M33A	X	-.768	-.768	0	%100
6	M33A	Z	.443	.443	0	%100
7	MP1A	X	-.54	-.54	0	%100
8	MP1A	Z	.312	.312	0	%100
9	MP3A	X	-.653	-.653	0	%100
10	MP3A	Z	.377	.377	0	%100
11	MP4A	X	-.54	-.54	0	%100
12	MP4A	Z	.312	.312	0	%100
13	M72A	X	0	0	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-.845	-.845	0	%100
16	M73	Z	.488	.488	0	%100
17	M74	X	-.845	-.845	0	%100
18	M74	Z	.488	.488	0	%100
19	M75	X	-1.363	-1.363	0	%100
20	M75	Z	.787	.787	0	%100
21	M78	X	-.186	-.186	0	%100
22	M78	Z	.107	.107	0	%100
23	M79	X	-.186	-.186	0	%100
24	M79	Z	.107	.107	0	%100
25	M84	X	0	0	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	-.347	-.347	0	%100
28	M85	Z	.2	.2	0	%100
29	M87A	X	-.36	-.36	0	%100
30	M87A	Z	.208	.208	0	%100
31	M89A	X	0	0	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	-.347	-.347	0	%100
34	M90A	Z	.2	.2	0	%100
35	M92	X	-.36	-.36	0	%100
36	M92	Z	.208	.208	0	%100
37	M50A	X	-.606	-.606	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,%]
38	M50A	Z	.35	.35	0	%100
39	M51A	X	-.211	-.211	0	%100
40	M51A	Z	.122	.122	0	%100
41	M52	X	-.211	-.211	0	%100
42	M52	Z	.122	.122	0	%100
43	M53A	X	-.341	-.341	0	%100
44	M53A	Z	.197	.197	0	%100
45	M56	X	-.186	-.186	0	%100
46	M56	Z	.107	.107	0	%100
47	M57	X	-.742	-.742	0	%100
48	M57	Z	.429	.429	0	%100
49	M62	X	-1.029	-1.029	0	%100
50	M62	Z	.594	.594	0	%100
51	M63	X	-1.388	-1.388	0	%100
52	M63	Z	.802	.802	0	%100
53	M65	X	-1.439	-1.439	0	%100
54	M65	Z	.831	.831	0	%100
55	M67	X	-1.029	-1.029	0	%100
56	M67	Z	.594	.594	0	%100
57	M68	X	-.347	-.347	0	%100
58	M68	Z	.2	.2	0	%100
59	M70	X	-.36	-.36	0	%100
60	M70	Z	.208	.208	0	%100
61	M72	X	-.606	-.606	0	%100
62	M72	Z	.35	.35	0	%100
63	M73A	X	-.211	-.211	0	%100
64	M73A	Z	.122	.122	0	%100
65	M74A	X	-.211	-.211	0	%100
66	M74A	Z	.122	.122	0	%100
67	M75A	X	-.341	-.341	0	%100
68	M75A	Z	.197	.197	0	%100
69	M78A	X	-.742	-.742	0	%100
70	M78A	Z	.428	.428	0	%100
71	M79A	X	-.186	-.186	0	%100
72	M79A	Z	.107	.107	0	%100
73	M84A	X	-1.029	-1.029	0	%100
74	M84A	Z	.594	.594	0	%100
75	M85A	X	-.347	-.347	0	%100
76	M85A	Z	.2	.2	0	%100
77	M87	X	-.36	-.36	0	%100
78	M87	Z	.208	.208	0	%100
79	M89	X	-1.029	-1.029	0	%100
80	M89	Z	.594	.594	0	%100
81	M90	X	-1.388	-1.388	0	%100
82	M90	Z	.802	.802	0	%100
83	M92A	X	-1.439	-1.439	0	%100
84	M92A	Z	.831	.831	0	%100
85	MP2A	X	-.54	-.54	0	%100
86	MP2A	Z	.312	.312	0	%100
87	MP1C	X	-.54	-.54	0	%100
88	MP1C	Z	.312	.312	0	%100
89	MP4C	X	-.54	-.54	0	%100
90	MP4C	Z	.312	.312	0	%100
91	MP2C	X	-.54	-.54	0	%100
92	MP2C	Z	.312	.312	0	%100
93	MP1B	X	-.54	-.54	0	%100
94	MP1B	Z	.312	.312	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,%]
95	MP4B	X	-.54	-.54	0	%100
96	MP4B	Z	.312	.312	0	%100
97	MP2B	X	-.54	-.54	0	%100
98	MP2B	Z	.312	.312	0	%100
99	M94	X	0	0	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	-.494	-.494	0	%100
102	M95	Z	.285	.285	0	%100
103	M96	X	-.494	-.494	0	%100
104	M96	Z	.285	.285	0	%100
105	M98	X	-.441	-.441	0	%100
106	M98	Z	.255	.255	0	%100
107	M100	X	-.441	-.441	0	%100
108	M100	Z	.255	.255	0	%100
109	M101	X	-.163	-.163	0	%100
110	M101	Z	.094	.094	0	%100
111	M108	X	-.653	-.653	0	%100
112	M108	Z	.377	.377	0	%100
113	M115	X	-.163	-.163	0	%100
114	M115	Z	.094	.094	0	%100
115	M122	X	-.857	-.857	0	%100
116	M122	Z	.495	.495	0	%100
117	M123	X	-.214	-.214	0	%100
118	M123	Z	.124	.124	0	%100
119	M124	X	-.214	-.214	0	%100
120	M124	Z	.124	.124	0	%100
121	M125	X	-1.011	-1.011	0	%100
122	M125	Z	.584	.584	0	%100
123	M126	X	-.748	-.748	0	%100
124	M126	Z	.432	.432	0	%100
125	M127	X	-1.011	-1.011	0	%100
126	M127	Z	.584	.584	0	%100
127	MP3C	X	-.653	-.653	0	%100
128	MP3C	Z	.377	.377	0	%100
129	MP3B	X	-.653	-.653	0	%100
130	MP3B	Z	.377	.377	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	M20	X	-.665	-.665	0	%100
2	M20	Z	0	0	0	%100
3	M32	X	0	0	0	%100
4	M32	Z	0	0	0	%100
5	M33A	X	-.665	-.665	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-.623	-.623	0	%100
8	MP1A	Z	0	0	0	%100
9	MP3A	X	-.754	-.754	0	%100
10	MP3A	Z	0	0	0	%100
11	MP4A	X	-.623	-.623	0	%100
12	MP4A	Z	0	0	0	%100
13	M72A	X	-.233	-.233	0	%100
14	M72A	Z	0	0	0	%100
15	M73	X	-.732	-.732	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	-.732	-.732	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,%]
18	M74	Z	0	0	0	%100
19	M75	X	-1.181	-1.181	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	-.643	-.643	0	%100
22	M78	Z	0	0	0	%100
23	M79	X	0	0	0	%100
24	M79	Z	0	0	0	%100
25	M84	X	-.396	-.396	0	%100
26	M84	Z	0	0	0	%100
27	M85	X	0	0	0	%100
28	M85	Z	0	0	0	%100
29	M87A	X	0	0	0	%100
30	M87A	Z	0	0	0	%100
31	M89A	X	-.396	-.396	0	%100
32	M89A	Z	0	0	0	%100
33	M90A	X	-1.202	-1.202	0	%100
34	M90A	Z	0	0	0	%100
35	M92	X	-1.246	-1.246	0	%100
36	M92	Z	0	0	0	%100
37	M50A	X	-.233	-.233	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	-.732	-.732	0	%100
40	M51A	Z	0	0	0	%100
41	M52	X	-.732	-.732	0	%100
42	M52	Z	0	0	0	%100
43	M53A	X	-1.181	-1.181	0	%100
44	M53A	Z	0	0	0	%100
45	M56	X	0	0	0	%100
46	M56	Z	0	0	0	%100
47	M57	X	-.643	-.643	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	-.396	-.396	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-1.202	-1.202	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	-1.246	-1.246	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	-.396	-.396	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	0	0	0	%100
58	M68	Z	0	0	0	%100
59	M70	X	0	0	0	%100
60	M70	Z	0	0	0	%100
61	M72	X	-.934	-.934	0	%100
62	M72	Z	0	0	0	%100
63	M73A	X	0	0	0	%100
64	M73A	Z	0	0	0	%100
65	M74A	X	0	0	0	%100
66	M74A	Z	0	0	0	%100
67	M75A	X	0	0	0	%100
68	M75A	Z	0	0	0	%100
69	M78A	X	-.643	-.643	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	-.643	-.643	0	%100
72	M79A	Z	0	0	0	%100
73	M84A	X	-1.584	-1.584	0	%100
74	M84A	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,%]
75	M85A	X	-1.202	-1.202	0	%100
76	M85A	Z	0	0	0	%100
77	M87	X	-1.246	-1.246	0	%100
78	M87	Z	0	0	0	%100
79	M89	X	-1.584	-1.584	0	%100
80	M89	Z	0	0	0	%100
81	M90	X	-1.202	-1.202	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	-1.246	-1.246	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	-.623	-.623	0	%100
86	MP2A	Z	0	0	0	%100
87	MP1C	X	-.623	-.623	0	%100
88	MP1C	Z	0	0	0	%100
89	MP4C	X	-.623	-.623	0	%100
90	MP4C	Z	0	0	0	%100
91	MP2C	X	-.623	-.623	0	%100
92	MP2C	Z	0	0	0	%100
93	MP1B	X	-.623	-.623	0	%100
94	MP1B	Z	0	0	0	%100
95	MP4B	X	-.623	-.623	0	%100
96	MP4B	Z	0	0	0	%100
97	MP2B	X	-.623	-.623	0	%100
98	MP2B	Z	0	0	0	%100
99	M94	X	-.19	-.19	0	%100
100	M94	Z	0	0	0	%100
101	M95	X	-.76	-.76	0	%100
102	M95	Z	0	0	0	%100
103	M96	X	-.19	-.19	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-.51	-.51	0	%100
106	M98	Z	0	0	0	%100
107	M100	X	-.51	-.51	0	%100
108	M100	Z	0	0	0	%100
109	M101	X	0	0	0	%100
110	M101	Z	0	0	0	%100
111	M108	X	-.566	-.566	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-.566	-.566	0	%100
114	M115	Z	0	0	0	%100
115	M122	X	-.742	-.742	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	0	0	0	%100
118	M123	Z	0	0	0	%100
119	M124	X	-.742	-.742	0	%100
120	M124	Z	0	0	0	%100
121	M125	X	-1.269	-1.269	0	%100
122	M125	Z	0	0	0	%100
123	M126	X	-.965	-.965	0	%100
124	M126	Z	0	0	0	%100
125	M127	X	-.965	-.965	0	%100
126	M127	Z	0	0	0	%100
127	MP3C	X	-.754	-.754	0	%100
128	MP3C	Z	0	0	0	%100
129	MP3B	X	-.754	-.754	0	%100
130	MP3B	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	M20	X	-.768	-.768	0	%100
2	M20	Z	-.443	-.443	0	%100
3	M32	X	-.192	-.192	0	%100
4	M32	Z	-.111	-.111	0	%100
5	M33A	X	-.192	-.192	0	%100
6	M33A	Z	-.111	-.111	0	%100
7	MP1A	X	-.54	-.54	0	%100
8	MP1A	Z	-.312	-.312	0	%100
9	MP3A	X	-.653	-.653	0	%100
10	MP3A	Z	-.377	-.377	0	%100
11	MP4A	X	-.54	-.54	0	%100
12	MP4A	Z	-.312	-.312	0	%100
13	M72A	X	-.606	-.606	0	%100
14	M72A	Z	-.35	-.35	0	%100
15	M73	X	-.211	-.211	0	%100
16	M73	Z	-.122	-.122	0	%100
17	M74	X	-.211	-.211	0	%100
18	M74	Z	-.122	-.122	0	%100
19	M75	X	-.341	-.341	0	%100
20	M75	Z	-.197	-.197	0	%100
21	M78	X	-.742	-.742	0	%100
22	M78	Z	-.428	-.428	0	%100
23	M79	X	-.186	-.186	0	%100
24	M79	Z	-.107	-.107	0	%100
25	M84	X	-1.029	-1.029	0	%100
26	M84	Z	-.594	-.594	0	%100
27	M85	X	-.347	-.347	0	%100
28	M85	Z	-.2	-.2	0	%100
29	M87A	X	-.36	-.36	0	%100
30	M87A	Z	-.208	-.208	0	%100
31	M89A	X	-1.029	-1.029	0	%100
32	M89A	Z	-.594	-.594	0	%100
33	M90A	X	-1.388	-1.388	0	%100
34	M90A	Z	-.802	-.802	0	%100
35	M92	X	-1.439	-1.439	0	%100
36	M92	Z	-.831	-.831	0	%100
37	M50A	X	0	0	0	%100
38	M50A	Z	0	0	0	%100
39	M51A	X	-.845	-.845	0	%100
40	M51A	Z	-.488	-.488	0	%100
41	M52	X	-.845	-.845	0	%100
42	M52	Z	-.488	-.488	0	%100
43	M53A	X	-1.363	-1.363	0	%100
44	M53A	Z	-.787	-.787	0	%100
45	M56	X	-.186	-.186	0	%100
46	M56	Z	-.107	-.107	0	%100
47	M57	X	-.186	-.186	0	%100
48	M57	Z	-.107	-.107	0	%100
49	M62	X	0	0	0	%100
50	M62	Z	0	0	0	%100
51	M63	X	-.347	-.347	0	%100
52	M63	Z	-.2	-.2	0	%100
53	M65	X	-.36	-.36	0	%100
54	M65	Z	-.208	-.208	0	%100
55	M67	X	0	0	0	%100
56	M67	Z	0	0	0	%100
57	M68	X	-.347	-.347	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	M68	Z	-.2	-.2	0	%100
59	M70	X	-.36	-.36	0	%100
60	M70	Z	-.208	-.208	0	%100
61	M72	X	-.606	-.606	0	%100
62	M72	Z	-.35	-.35	0	%100
63	M73A	X	-.211	-.211	0	%100
64	M73A	Z	-.122	-.122	0	%100
65	M74A	X	-.211	-.211	0	%100
66	M74A	Z	-.122	-.122	0	%100
67	M75A	X	-.341	-.341	0	%100
68	M75A	Z	-.197	-.197	0	%100
69	M78A	X	-.186	-.186	0	%100
70	M78A	Z	-.107	-.107	0	%100
71	M79A	X	-.742	-.742	0	%100
72	M79A	Z	-.429	-.429	0	%100
73	M84A	X	-1.029	-1.029	0	%100
74	M84A	Z	-.594	-.594	0	%100
75	M85A	X	-1.388	-1.388	0	%100
76	M85A	Z	-.802	-.802	0	%100
77	M87	X	-1.439	-1.439	0	%100
78	M87	Z	-.831	-.831	0	%100
79	M89	X	-1.029	-1.029	0	%100
80	M89	Z	-.594	-.594	0	%100
81	M90	X	-.347	-.347	0	%100
82	M90	Z	-.2	-.2	0	%100
83	M92A	X	-.36	-.36	0	%100
84	M92A	Z	-.208	-.208	0	%100
85	MP2A	X	-.54	-.54	0	%100
86	MP2A	Z	-.312	-.312	0	%100
87	MP1C	X	-.54	-.54	0	%100
88	MP1C	Z	-.312	-.312	0	%100
89	MP4C	X	-.54	-.54	0	%100
90	MP4C	Z	-.312	-.312	0	%100
91	MP2C	X	-.54	-.54	0	%100
92	MP2C	Z	-.312	-.312	0	%100
93	MP1B	X	-.54	-.54	0	%100
94	MP1B	Z	-.312	-.312	0	%100
95	MP4B	X	-.54	-.54	0	%100
96	MP4B	Z	-.312	-.312	0	%100
97	MP2B	X	-.54	-.54	0	%100
98	MP2B	Z	-.312	-.312	0	%100
99	M94	X	-.494	-.494	0	%100
100	M94	Z	-.285	-.285	0	%100
101	M95	X	-.494	-.494	0	%100
102	M95	Z	-.285	-.285	0	%100
103	M96	X	0	0	0	%100
104	M96	Z	0	0	0	%100
105	M98	X	-.441	-.441	0	%100
106	M98	Z	-.255	-.255	0	%100
107	M100	X	-.441	-.441	0	%100
108	M100	Z	-.255	-.255	0	%100
109	M101	X	-.163	-.163	0	%100
110	M101	Z	-.094	-.094	0	%100
111	M108	X	-.163	-.163	0	%100
112	M108	Z	-.094	-.094	0	%100
113	M115	X	-.653	-.653	0	%100
114	M115	Z	-.377	-.377	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	M122	X	-.214	-.214	0	%100
116	M122	Z	-.124	-.124	0	%100
117	M123	X	-.214	-.214	0	%100
118	M123	Z	-.124	-.124	0	%100
119	M124	X	-.857	-.857	0	%100
120	M124	Z	-.495	-.495	0	%100
121	M125	X	-1.011	-1.011	0	%100
122	M125	Z	-.584	-.584	0	%100
123	M126	X	-1.011	-1.011	0	%100
124	M126	Z	-.584	-.584	0	%100
125	M127	X	-.748	-.748	0	%100
126	M127	Z	-.432	-.432	0	%100
127	MP3C	X	-.653	-.653	0	%100
128	MP3C	Z	-.377	-.377	0	%100
129	MP3B	X	-.653	-.653	0	%100
130	MP3B	Z	-.377	-.377	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	M20	X	-.332	-.332	0	%100
2	M20	Z	-.576	-.576	0	%100
3	M32	X	-.332	-.332	0	%100
4	M32	Z	-.576	-.576	0	%100
5	M33A	X	0	0	0	%100
6	M33A	Z	0	0	0	%100
7	MP1A	X	-.312	-.312	0	%100
8	MP1A	Z	-.54	-.54	0	%100
9	MP3A	X	-.377	-.377	0	%100
10	MP3A	Z	-.653	-.653	0	%100
11	MP4A	X	-.312	-.312	0	%100
12	MP4A	Z	-.54	-.54	0	%100
13	M72A	X	-.467	-.467	0	%100
14	M72A	Z	-.809	-.809	0	%100
15	M73	X	0	0	0	%100
16	M73	Z	0	0	0	%100
17	M74	X	0	0	0	%100
18	M74	Z	0	0	0	%100
19	M75	X	0	0	0	%100
20	M75	Z	0	0	0	%100
21	M78	X	-.321	-.321	0	%100
22	M78	Z	-.557	-.557	0	%100
23	M79	X	-.321	-.321	0	%100
24	M79	Z	-.557	-.557	0	%100
25	M84	X	-.792	-.792	0	%100
26	M84	Z	-1.372	-1.372	0	%100
27	M85	X	-.601	-.601	0	%100
28	M85	Z	-1.041	-1.041	0	%100
29	M87A	X	-.623	-.623	0	%100
30	M87A	Z	-1.079	-1.079	0	%100
31	M89A	X	-.792	-.792	0	%100
32	M89A	Z	-1.372	-1.372	0	%100
33	M90A	X	-.601	-.601	0	%100
34	M90A	Z	-1.041	-1.041	0	%100
35	M92	X	-.623	-.623	0	%100
36	M92	Z	-1.079	-1.079	0	%100
37	M50A	X	-.117	-.117	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,%]
38	M50A	Z	-.202	-.202	0	%100
39	M51A	X	-.366	-.366	0	%100
40	M51A	Z	-.634	-.634	0	%100
41	M52	X	-.366	-.366	0	%100
42	M52	Z	-.634	-.634	0	%100
43	M53A	X	-.59	-.59	0	%100
44	M53A	Z	-1.022	-1.022	0	%100
45	M56	X	-.321	-.321	0	%100
46	M56	Z	-.557	-.557	0	%100
47	M57	X	0	0	0	%100
48	M57	Z	0	0	0	%100
49	M62	X	-.198	-.198	0	%100
50	M62	Z	-.343	-.343	0	%100
51	M63	X	0	0	0	%100
52	M63	Z	0	0	0	%100
53	M65	X	0	0	0	%100
54	M65	Z	0	0	0	%100
55	M67	X	-.198	-.198	0	%100
56	M67	Z	-.343	-.343	0	%100
57	M68	X	-.601	-.601	0	%100
58	M68	Z	-1.041	-1.041	0	%100
59	M70	X	-.623	-.623	0	%100
60	M70	Z	-1.079	-1.079	0	%100
61	M72	X	-.117	-.117	0	%100
62	M72	Z	-.202	-.202	0	%100
63	M73A	X	-.366	-.366	0	%100
64	M73A	Z	-.634	-.634	0	%100
65	M74A	X	-.366	-.366	0	%100
66	M74A	Z	-.634	-.634	0	%100
67	M75A	X	-.59	-.59	0	%100
68	M75A	Z	-1.022	-1.022	0	%100
69	M78A	X	0	0	0	%100
70	M78A	Z	0	0	0	%100
71	M79A	X	-.321	-.321	0	%100
72	M79A	Z	-.557	-.557	0	%100
73	M84A	X	-.198	-.198	0	%100
74	M84A	Z	-.343	-.343	0	%100
75	M85A	X	-.601	-.601	0	%100
76	M85A	Z	-1.041	-1.041	0	%100
77	M87	X	-.623	-.623	0	%100
78	M87	Z	-1.079	-1.079	0	%100
79	M89	X	-.198	-.198	0	%100
80	M89	Z	-.343	-.343	0	%100
81	M90	X	0	0	0	%100
82	M90	Z	0	0	0	%100
83	M92A	X	0	0	0	%100
84	M92A	Z	0	0	0	%100
85	MP2A	X	-.312	-.312	0	%100
86	MP2A	Z	-.54	-.54	0	%100
87	MP1C	X	-.312	-.312	0	%100
88	MP1C	Z	-.54	-.54	0	%100
89	MP4C	X	-.312	-.312	0	%100
90	MP4C	Z	-.54	-.54	0	%100
91	MP2C	X	-.312	-.312	0	%100
92	MP2C	Z	-.54	-.54	0	%100
93	MP1B	X	-.312	-.312	0	%100
94	MP1B	Z	-.54	-.54	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,%]
95	MP4B	X	-.312	-.312	0	%100
96	MP4B	Z	-.54	-.54	0	%100
97	MP2B	X	-.312	-.312	0	%100
98	MP2B	Z	-.54	-.54	0	%100
99	M94	X	-.38	-.38	0	%100
100	M94	Z	-.658	-.658	0	%100
101	M95	X	-.095	-.095	0	%100
102	M95	Z	-.165	-.165	0	%100
103	M96	X	-.095	-.095	0	%100
104	M96	Z	-.165	-.165	0	%100
105	M98	X	-.255	-.255	0	%100
106	M98	Z	-.441	-.441	0	%100
107	M100	X	-.255	-.255	0	%100
108	M100	Z	-.441	-.441	0	%100
109	M101	X	-.283	-.283	0	%100
110	M101	Z	-.49	-.49	0	%100
111	M108	X	0	0	0	%100
112	M108	Z	0	0	0	%100
113	M115	X	-.283	-.283	0	%100
114	M115	Z	-.49	-.49	0	%100
115	M122	X	0	0	0	%100
116	M122	Z	0	0	0	%100
117	M123	X	-.371	-.371	0	%100
118	M123	Z	-.643	-.643	0	%100
119	M124	X	-.371	-.371	0	%100
120	M124	Z	-.643	-.643	0	%100
121	M125	X	-.482	-.482	0	%100
122	M125	Z	-.836	-.836	0	%100
123	M126	X	-.634	-.634	0	%100
124	M126	Z	-1.099	-1.099	0	%100
125	M127	X	-.482	-.482	0	%100
126	M127	Z	-.836	-.836	0	%100
127	MP3C	X	-.377	-.377	0	%100
128	MP3C	Z	-.653	-.653	0	%100
129	MP3B	X	-.377	-.377	0	%100
130	MP3B	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	M78	Y	-2.356	-4.541	0	.793
2	M78	Y	-4.541	-6.018	.793	1.586
3	M78	Y	-6.018	-7.77	1.586	2.379
4	M78	Y	-7.77	-7.475	2.379	3.172
5	M78	Y	-7.475	-4.145	3.172	3.965
6	M79	Y	-4.166	-7.563	0	.793
7	M79	Y	-7.563	-7.938	.793	1.587
8	M79	Y	-7.938	-6.372	1.587	2.38
9	M79	Y	-6.372	-4.807	2.38	3.173
10	M79	Y	-4.807	-2.16	3.173	3.967
11	M78A	Y	-2.356	-4.541	0	.793
12	M78A	Y	-4.541	-6.018	.793	1.586
13	M78A	Y	-6.018	-7.77	1.586	2.379
14	M78A	Y	-7.77	-7.475	2.379	3.172
15	M78A	Y	-7.475	-4.145	3.172	3.965
16	M79A	Y	-4.166	-7.563	0	.793
17	M79A	Y	-7.563	-7.938	.793	1.587

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

	Member Label	Direction	Start Magnitude[lb/ft,...	End Magnitude[lb/ft,F...	Start Location[ft,%]	End Location[ft,%]
18	M79A	Y	-7.938	-6.372	1.587	2.38
19	M79A	Y	-6.372	-4.807	2.38	3.173
20	M79A	Y	-4.807	-2.16	3.173	3.967
21	M56	Y	-2.356	-4.541	0	.793
22	M56	Y	-4.541	-6.018	.793	1.586
23	M56	Y	-6.018	-7.77	1.586	2.379
24	M56	Y	-7.77	-7.475	2.379	3.172
25	M56	Y	-7.475	-4.145	3.172	3.965
26	M57	Y	-4.166	-7.563	0	.793
27	M57	Y	-7.563	-7.938	.793	1.587
28	M57	Y	-7.938	-6.372	1.587	2.38
29	M57	Y	-6.372	-4.807	2.38	3.173
30	M57	Y	-4.807	-2.16	3.173	3.967

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	M78	Y	-4.549	-8.771	0	.793
2	M78	Y	-8.771	-11.622	.793	1.586
3	M78	Y	-11.622	-15.007	1.586	2.379
4	M78	Y	-15.007	-14.436	2.379	3.172
5	M78	Y	-14.436	-8.005	3.172	3.965
6	M79	Y	-8.046	-14.606	0	.793
7	M79	Y	-14.606	-15.331	.793	1.587
8	M79	Y	-15.331	-12.307	1.587	2.38
9	M79	Y	-12.307	-9.284	2.38	3.173
10	M79	Y	-9.284	-4.172	3.173	3.967
11	M78A	Y	-4.549	-8.771	0	.793
12	M78A	Y	-8.771	-11.622	.793	1.586
13	M78A	Y	-11.622	-15.007	1.586	2.379
14	M78A	Y	-15.007	-14.436	2.379	3.172
15	M78A	Y	-14.436	-8.005	3.172	3.965
16	M79A	Y	-8.046	-14.606	0	.793
17	M79A	Y	-14.606	-15.331	.793	1.587
18	M79A	Y	-15.331	-12.307	1.587	2.38
19	M79A	Y	-12.307	-9.284	2.38	3.173
20	M79A	Y	-9.284	-4.172	3.173	3.967
21	M56	Y	-4.549	-8.771	0	.793
22	M56	Y	-8.771	-11.622	.793	1.586
23	M56	Y	-11.622	-15.007	1.586	2.379
24	M56	Y	-15.007	-14.436	2.379	3.172
25	M56	Y	-14.436	-8.005	3.172	3.965
26	M57	Y	-8.046	-14.606	0	.793
27	M57	Y	-14.606	-15.331	.793	1.587
28	M57	Y	-15.331	-12.307	1.587	2.38
29	M57	Y	-12.307	-9.284	2.38	3.173
30	M57	Y	-9.284	-4.172	3.173	3.967

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	M78	Z	-.071	-.136	0	.793
2	M78	Z	-.136	-.181	.793	1.586
3	M78	Z	-.181	-.233	1.586	2.379
4	M78	Z	-.233	-.224	2.379	3.172
5	M78	Z	-.224	-.124	3.172	3.965
6	M79	Z	-.125	-.227	0	.793
7	M79	Z	-.227	-.238	.793	1.587

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,%]
8	M79	Z	-.238	-.191	1.587	2.38
9	M79	Z	-.191	-.144	2.38	3.173
10	M79	Z	-.144	-.065	3.173	3.967
11	M78A	Z	-.071	-.136	0	.793
12	M78A	Z	-.136	-.181	.793	1.586
13	M78A	Z	-.181	-.233	1.586	2.379
14	M78A	Z	-.233	-.224	2.379	3.172
15	M78A	Z	-.224	-.124	3.172	3.965
16	M79A	Z	-.125	-.227	0	.793
17	M79A	Z	-.227	-.238	.793	1.587
18	M79A	Z	-.238	-.191	1.587	2.38
19	M79A	Z	-.191	-.144	2.38	3.173
20	M79A	Z	-.144	-.065	3.173	3.967
21	M56	Z	-.071	-.136	0	.793
22	M56	Z	-.136	-.181	.793	1.586
23	M56	Z	-.181	-.233	1.586	2.379
24	M56	Z	-.233	-.224	2.379	3.172
25	M56	Z	-.224	-.124	3.172	3.965
26	M57	Z	-.125	-.227	0	.793
27	M57	Z	-.227	-.238	.793	1.587
28	M57	Z	-.238	-.191	1.587	2.38
29	M57	Z	-.191	-.144	2.38	3.173
30	M57	Z	-.144	-.065	3.173	3.967

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	M78	X	.071	.136	0	.793
2	M78	X	.136	.181	.793	1.586
3	M78	X	.181	.233	1.586	2.379
4	M78	X	.233	.224	2.379	3.172
5	M78	X	.224	.124	3.172	3.965
6	M79	X	.125	.227	0	.793
7	M79	X	.227	.238	.793	1.587
8	M79	X	.238	.191	1.587	2.38
9	M79	X	.191	.144	2.38	3.173
10	M79	X	.144	.065	3.173	3.967
11	M78A	X	.071	.136	0	.793
12	M78A	X	.136	.181	.793	1.586
13	M78A	X	.181	.233	1.586	2.379
14	M78A	X	.233	.224	2.379	3.172
15	M78A	X	.224	.124	3.172	3.965
16	M79A	X	.125	.227	0	.793
17	M79A	X	.227	.238	.793	1.587
18	M79A	X	.238	.191	1.587	2.38
19	M79A	X	.191	.144	2.38	3.173
20	M79A	X	.144	.065	3.173	3.967
21	M56	X	.071	.136	0	.793
22	M56	X	.136	.181	.793	1.586
23	M56	X	.181	.233	1.586	2.379
24	M56	X	.233	.224	2.379	3.172
25	M56	X	.224	.124	3.172	3.965
26	M57	X	.125	.227	0	.793
27	M57	X	.227	.238	.793	1.587
28	M57	X	.238	.191	1.587	2.38
29	M57	X	.191	.144	2.38	3.173
30	M57	X	.144	.065	3.173	3.967

Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N122	N121	N116A	N117	Y	Two Way	-.005
2	N117A	N121A	N120	N116	Y	Two Way	-.005
3	N88A	N89A	N93	N92A	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N122	N121	N116A	N117	Y	Two Way	-.01
2	N117A	N121A	N120	N116	Y	Two Way	-.01
3	N88A	N89A	N93	N92A	Y	Two Way	-.01

Member Area Loads (BLC 84 : Structure Ev)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N122	N121	N116A	N117	Y	Two Way	0
2	N117A	N121A	N120	N116	Y	Two Way	0
3	N88A	N89A	N93	N92A	Y	Two Way	0

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N122	N121	N116A	N117	Z	Two Way	-.000156
2	N117A	N121A	N120	N116	Z	Two Way	-.000156
3	N88A	N89A	N93	N92A	Z	Two Way	-.000156

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

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N122	N121	N116A	N117	X	Two Way	.000156
2	N117A	N121A	N120	N116	X	Two Way	.000156
3	N88A	N89A	N93	N92A	X	Two Way	.000156

Envelope Joint Reactions

	Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [...	LC
1	N112A	m...	4284.013	9	222.641	3	1064.323	2	.088	10	2.587	12	.514	44
2		m...	-1677.732	3	-333.427	9	-2567.829	8	-.392	40	-2.592	6	-.12	2
3	N84A	m...	1666.454	11	147.304	11	906.391	11	.377	5	2.522	8	.162	10
4		m...	-4313.842	5	-452.331	29	-2434.972	5	-.103	11	-2.522	2	-.662	28
5	N112	m...	1253.826	10	230.845	7	5077.159	1	.079	6	2.707	4	.114	6
6		m...	-1251.112	4	-344.71	1	-1992.867	7	-.309	12	-2.718	10	-.138	12
7	N190	m...	55.545	10	2825.814	13	-369.584	7	0	75	0	4	0	10
8		m...	-55.744	4	297.981	7	-3346.373	13	0	1	0	10	0	4
9	N192	m...	-299.355	3	2773.299	21	1641.395	21	0	6	0	48	0	48
10		m...	-2842.917	21	278.24	3	172.855	3	0	48	0	6	0	6
11	N194	m...	2883.347	17	2811.839	17	1664.775	17	0	8	0	8	0	8
12		m...	311.538	11	289.82	11	179.8	11	0	2	0	2	0	2
13	Totals:	m...	5205.126	10	7169.203	20	5145.771	1						
14		m...	-5205.125	4	2569.927	65	-5145.774	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	M20	PIPE_...	.138	8.156	2	.088	1..		12	21266...	65205	5.749	5.749	H1-...
2	M32	PIPE_...	.140	8.156	10	.089	1..		1	21266...	65205	5.749	5.749	H1-...
3	M33A	PIPE_...	.147	8.156	6	.093	1..		4	21266...	65205	5.749	5.749	H1-...
4	MP1A	PIPE_...	.232	3.875	4	.133	....		2	20866...	32130	1.872	1.872	H1-...

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
5	MP3A	PIPE_...	.282	4.885	10	.124	4...		9	33961...	50715	3.596	3.596		H1-...
6	MP4A	PIPE_...	.359	3.875	10	.126	....		7	20866...	32130	1.872	1.872		H1-...
7	M72A	HSS4...	.162	2.984	20	.058	2...	y	47	12454...	139518	16.181	16.181		H1-...
8	M73	L3X3X4	.512	2.406	21	.226	....	z	4	41039...	46656	1.688	3.756		H2-1
9	M74	L3X3X4	.539	0	22	.246	2...	z	2	41039...	46656	1.688	3.756		H2-1
10	M75	PL1/2x6	.362	.547	2	.268	....	y	15	62895...	97200	1.012	12.15		H1-...
11	M78	L2x2x4	.274	3.965	10	.029	0	y	15	13799...	30585...	.691	1.486		H2-1
12	M79	L2x2x4	.287	0	8	.028	3...	y	15	13791...	30585...	.691	1.484		H2-1
13	M84	PL1/2x6	.187	0	12	.088	0	y	14	95964...	97200	1.012	12.15		H1-...
14	M85	PL1/2x6	.097	0	12	.026	0	y	21	96222...	97200	1.012	12.15		H1-...
15	M87A	PL1/2x6	.075	.125	9	.174	0	y	46	96648...	97200	1.012	12.15		H1-...
16	M89A	PL1/2x6	.188	0	6	.089	0	y	15	95964...	97200	1.012	12.15		H1-...
17	M90A	PL1/2x6	.095	0	6	.025	0	y	22	96222...	97200	1.012	12.15		H1-...
18	M92	PL1/2x6	.075	.125	9	.128	0	y	7	96648...	97200	1.012	12.15		H1-...
19	M50A	HSS4...	.164	2.984	16	.064	3...	y	27	12454...	139518	16.181	16.181		H1-...
20	M51A	L3X3X4	.527	2.406	17	.231	....	z	11	41039...	46656	1.688	3.756		H2-1
21	M52	L3X3X4	.562	0	18	.254	2...	z	10	41039...	46656	1.688	3.756		H2-1
22	M53A	PL1/2x6	.373	.547	10	.276	....	y	23	62895...	97200	1.012	12.15		H1-...
23	M56	L2x2x4	.272	3.965	6	.030	0	y	23	13799...	30585...	.691	1.486		H2-1
24	M57	L2x2x4	.293	0	4	.029	3...	y	23	13791...	30585...	.691	1.484		H2-1
25	M62	PL1/2x6	.187	0	8	.093	0	y	22	95964...	97200	1.012	12.15		H1-...
26	M63	PL1/2x6	.097	0	8	.027	0	y	17	96222...	97200	1.012	12.15		H1-...
27	M65	PL1/2x6	.077	.125	5	.158	0	y	18	96648...	97200	1.012	12.15		H1-...
28	M67	PL1/2x6	.193	0	2	.092	0	y	23	95964...	97200	1.012	12.15		H1-...
29	M68	PL1/2x6	.097	0	2	.026	0	y	18	96222...	97200	1.012	12.15		H1-...
30	M70	PL1/2x6	.077	.125	5	.211	0	y	28	96648...	97200	1.012	12.15		H1-...
31	M72	HSS4...	.165	2.984	24	.047	0	z	4	12454...	139518	16.181	16.181		H1-...
32	M73A	L3X3X4	.532	2.406	13	.222	....	z	7	41039...	46656	1.688	3.756		H2-1
33	M74A	L3X3X4	.550	0	14	.253	2...	z	6	41039...	46656	1.688	3.756		H2-1
34	M75A	PL1/2x6	.369	.547	6	.275	....	y	19	62895...	97200	1.012	12.15		H1-...
35	M78A	L2x2x4	.264	3.965	2	.030	0	y	19	13799...	30585...	.691	1.486		H2-1
36	M79A	L2x2x4	.290	0	12	.029	3...	y	19	13791...	30585...	.691	1.484		H2-1
37	M84A	PL1/2x6	.196	0	4	.091	0	y	18	95964...	97200	1.012	12.15		H1-...
38	M85A	PL1/2x6	.102	0	4	.026	0	y	13	96222...	97200	1.012	12.15		H1-...
39	M87	PL1/2x6	.075	.125	1	.151	0	y	14	96648...	97200	1.012	12.15		H1-...
40	M89	PL1/2x6	.202	0	10	.093	0	y	19	95964...	97200	1.012	12.15		H1-...
41	M90	PL1/2x6	.102	0	10	.026	0	y	14	96222...	97200	1.012	12.15		H1-...
42	M92A	PL1/2x6	.075	.125	1	.135	0	y	11	96648...	97200	1.012	12.15		H1-...
43	MP2A	PIPE_...	.313	3.875	4	.106	3...		2	20866...	32130	1.872	1.872		H1-...
44	MP1C	PIPE_...	.248	3.875	11	.139	....		10	20866...	32130	1.872	1.872		H1-...
45	MP4C	PIPE_...	.369	3.875	6	.126	....		9	20866...	32130	1.872	1.872		H1-...
46	MP2C	PIPE_...	.324	3.875	12	.115	3...		10	20866...	32130	1.872	1.872		H1-...
47	MP1B	PIPE_...	.230	3.875	7	.134	....		6	20866...	32130	1.872	1.872		H1-...
48	MP4B	PIPE_...	.349	3.875	2	.128	....		11	20866...	32130	1.872	1.872		H1-...
49	MP2B	PIPE_...	.306	3.875	8	.107	3...		6	20866...	32130	1.872	1.872		H1-...
50	M94	HSS4...	.177	1.417	6	.052	....	z	12	13835...	139518	16.181	16.181		H1-...
51	M95	HSS4...	.185	1.417	10	.051	....	z	4	13835...	139518	16.181	16.181		H1-...
52	M96	HSS4...	.175	1.417	2	.048	1...	z	8	13835...	139518	16.181	16.181		H1-...
53	M98	PIPE_...	.140	2.5	7	.018	2.5		7	28843...	32130	1.872	1.872	1	H1-...
54	M100	PIPE_...	.140	2.5	5	.018	2.5		5	28843...	32130	1.872	1.872		H1-...
55	M101	PIPE_...	.199	2.115	10	.118	1...		8	10819...	50715	3.596	3.596		H1-...
56	M108	PIPE_...	.186	2.115	12	.124	1...		4	10819...	50715	3.596	3.596		H1-...
57	M115	PIPE_...	.191	12.385	3	.117	1...		12	10819...	50715	3.596	3.596		H1-...
58	M122	L3X3X4	.430	2.565	1	.035	0	y	6	40327...	46656	1.688	3.756		H2-1
59	M123	L3X3X4	.432	2.565	5	.035	....	y	10	40327...	46656	1.688	3.756		H2-1
60	M124	L3X3X4	.438	2.565	9	.034	2...	y	3	40327...	46656	1.688	3.756		H2-1
61	M125	LL3x3...	.093	5.759	13	.005	5...	z	4	47345...	70632	5.543	3.75	1	H1-...

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
62	M126	LL3x3...	.091	5.759	21	.005	5..	z	12	47345...	70632	5.543	3.75	1	H1-...
63	M127	LL3x3...	.092	5.759	17	.005	5..	z	8	47345...	70632	5.543	3.75	1	H1-...
64	MP3C	PIPE_...	.292	4.885	6	.130	4..		5	33961...	50715	3.596	3.596	...	H1-...
65	MP3B	PIPE_...	.276	4.885	2	.124	4..		1	33961...	50715	3.596	3.596	...	H1-...

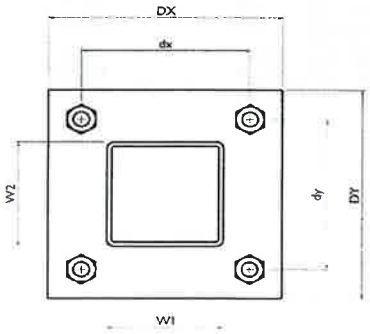
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/19/2023
Site Name:	THOMPSON 2 CT		
MDG #:	5000055445		
Fuze ID #:	17123826	Page:	1

Version 1.01

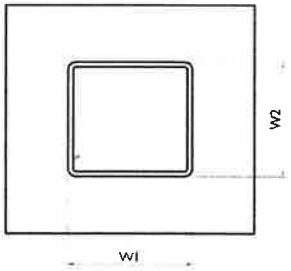
I. Mount-to-Tower Connection Check

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)* :	6.5
d_y (in) *(Delta Y of typ. bolt config. sketch)* :	6.5
Bolt Type:	A307
Bolt Diameter (in):	0.625
Required Tensile Strength / bolt (kips):	3.1
Required Shear Strength / bolt (kips):	0.3
Tensile Capacity / bolt (kips):	10.4
Shear Capacity / bolt (kips):	6.2
Bolt Overall Utilization:	29.9%

Tower Connection Baseplate Checks	Yes



Connecting Standoff Member Shape:	Rect Tube
Weld Stiffener Configuration:	No Stiffeners
Plate Width, D_x (in):	10
Plate Height, D_y (in):	10
W1(in):	4
W2 (in):	4
Member Thickness (in):	0.25
Stiffener location a_1 (in):	
Stiffener location b_1 (in):	
Stiffener location a_2 (in):	
Stiffener location b_2 (in):	
F_y (ksi, plate):	36
Plate Thickness (in):	0.5
Length of Yield Line, L_y (in):	7.04
Bolt Eccentricity, e (in):	2.00
M_u (kip-in):	6.19
Phi*M_n (kip-in):	14.26
Plate Bending Utilization:	43.4%

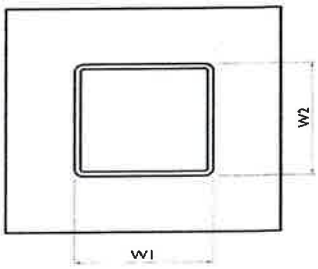
VzW SMART Tool© Vendor

Client:	Verizon Wireless	Date:	7/19/2023
Site Name:	THOMPSON 2 CT		
PSLC #:	5000055445		
Fuze ID #:	17123826	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):	1.17
Weld Capacity (kip/in):	5.57
Weld Utilization:	**21.0%**



ATTACHMENT 4

7 RIVERSIDE DR

Google Directions Zoom

View Details

ogle Maps Link

perty Record Card

vn of Thompson

perty

dress	347 RIVERSIDE DR
count Number	2247
p Block Lot	85 51 4 A

nership

me	SANTERRE RENE B + MARY V TRUSTEES
dress	503 RIVERSIDE DRIVE N. GROSVENORDALE, CT 06255

uation

al	$143,800
id	$118,900

347 RIVERSIDE DR

Location	347 RIVERSIDE DR	**Mblu**	85/ 51/ 4/A /
Acct#	004303	**Owner**	SANTERRE RENE B + MARY V TRUSTEES
PBN	DM1	**Assessment**	$145,500
Appraisal	$207,900	**PID**	2247
Building Count	1		

Current Value

Appraisal			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$38,100	$169,800	$207,900
Assessment			
Valuation Year	**Improvements**	**Land**	**Total**
2021	$26,600	$118,900	$145,500

Owner of Record

Owner	SANTERRE RENE B + MARY V TRUSTEES	**Sale Price**	$0
Co-Owner	R B + M V SANTERRE REV TRUST AGRMT	**Certificate**	
Address	503 RIVERSIDE DRIVE N. GROSVENORDALE, CT 06255	**Book & Page**	0407/0236
		Sale Date	12/15/1999

Ownership History

Ownership History				
Owner	**Sale Price**	**Certificate**	**Book & Page**	**Sale Date**
SANTERRE RENE B + MARY V TRUSTEES	$0		0407/0236	12/15/1999
SANTERRE RENE B + MARY V	$0		0078/0278	11/14/1967

Building Information

Building 1 : Section 1

Year Built:	1950
Living Area:	4,040
Replacement Cost:	$184,673

ATTACHMENT 5

Verizon/Thompson 2

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 09/11/2023 US POSTAGE $003.19⁰ ZIP 06103 041L12203937
	Postmaster, per *(name of receiving employee)*		

USPS® Tracking Number / Firm-specific Identifier	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	Amy St. Onge, First Selectman Town of Thompson 815 Riverside Drive North Grosvenordale, CT 06255				
2.	Tyra Penn-Gesek, Director of Planning and Zoning Town of Thompson 815 Riverside Drive North Grosvenordale, CT 06255				
3.	Mary and Rene Santerre 503 Riverside Drive North Grosvenordale, CT 06255				
4.					
5.					
6.					