

November 29, 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
16 Bell Road Extension, Cornwall, Connecticut**

Dear Attorney Bachman:

Cellco Partnership d/b/a Verizon Wireless (“Cellco”) currently maintains a wireless telecommunications facility at the above-referenced address (the “Property”). Cellco’s facility consists of antennas and remote radio heads attached to a tower. Equipment associated with the facility is located on the ground adjacent to the tower. The tower was approved by the Siting Council (“Council”) in October 2010 (Docket No. 402). Cellco’s use of the tower was approved in July of 2020 (TS-VER-031-200619). A copy of the Council’s Docket No. 402 Decision and Order and Cellco’s TS-VER-031-200619 are included in Attachment 1.

Cellco’s proposed modification involves the installation of two (2) interference mitigation filters (“filters”) on its existing antenna platform and antenna 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 Cornwall’s Chief Elected Official and Land Use Officer. A copy of this letter is also being sent to the tower owner, Blue Sky Tower Partners, and the Property owner.

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 antenna

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Melanie A. Bachman, Esq.

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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 the 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, with certain modifications, 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:

Gordon Ridgway, First Selectman
Karen Nelson, Zoning Enforcement Officer & Clerk
James Rech, Blue Sky Tower Partners, LLC
LEGULL LLC, Property Owner
Alex Tyurin, Verizon Wireless

ATTACHMENT 1

<p>DOCKET NO. 402 - 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 located at 16 Bell Road Extension, Cornwall, Connecticut.</p>	<p>} Connecticut } Siting } Council</p>
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October 21, 2010

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, maintenance, and operation 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 Cellco Partnership d/b/a Verizon Wireless, hereinafter referred to as the Certificate Holder, for a telecommunications facility at 16 Bell Road Extension, Cornwall, Connecticut.

Unless otherwise approved by the Council, 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 the Certificate Holder and other entities, both public and private, but such tower shall not exceed a height of 110 feet above ground level. The height at the top of the Certificate Holder’s antennas shall not exceed 112 feet above ground level.

2. The Certificate Holder shall prepare a Development and Management (D&M) Plan for this site in compliance with Sections 16-50j-75 through 16-50j-77 of the Regulations of Connecticut State Agencies. The D&M Plan shall be served on the Town of Cornwall 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, and the Connecticut Department of Transportation Drainage Manual;
 - c) delineation of the south property line through a certified A-2 survey; and,
 - d) provisions for an independent environmental inspector to be on-site bi-weekly to ensure environmental controls are in place during road construction activities. A final report of the inspector’s findings shall be issued to the Council once road construction is complete.

3. Construction of the access road shall not occur from March 1 through May 15.

4. Prior to the commencement of operation, the Certificate Holder shall 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 Holder 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.
5. 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.
6. The Certificate Holder shall permit public or private entities to share space on the proposed tower for fair consideration, or shall provide any requesting entity with specific legal, technical, environmental, or economic reasons precluding such tower sharing.
7. The Certificate Holder shall provide reasonable space on the tower for no compensation for any Town of Cornwall public safety services (police, fire and medical services), provided such use can be accommodated and is compatible with the structural integrity of the tower.
8. Unless otherwise approved by the Council, if the facility authorized herein is not fully constructed with at least one fully operational wireless telecommunications carrier providing wireless service 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 Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made. The time between the filing and resolution of any appeals of the Council's Final Decision shall not be counted in calculating this deadline. Authority to monitor and modify this schedule, as necessary, is delegated to the Executive Director. The Certificate Holder shall provide written notice to the Executive Director of any schedule changes as soon as is practicable.
9. Any request for extension of the time period referred to in Condition 8 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 Cornwall. Any proposed modifications to this Decision and Order shall likewise be so served.
10. If the facility ceases to provide wireless services for a period of one year, this Decision and Order shall be void, and the Certificate Holder shall dismantle the tower and remove all associated equipment or reapply for any continued or new use to the Council before any such use is made.
11. Any nonfunctioning antenna, and associated antenna mounting equipment, on this facility shall be removed within 60 days of the date the antenna ceased to function.
12. In accordance with Section 16-50j-77 of the Regulations of Connecticut State Agencies, the Certificate Holder shall provide the Council with written notice two weeks prior to the commencement of site construction activities. In addition, the Certificate Holder shall provide the Council with written notice of the completion of site construction, and the commencement of site operation.

13. The Certificate Holder shall maintain the facility and associated equipment in a reasonable physical and operational condition, including but not limited to, the tower, tower foundation, antennas, equipment compound, radio equipment, access road, utility line and landscaping, that is consistent with this Decision and Order and a Development and Management Plan to be approved by the Council.
14. The Certificate Holder shall remit timely payments associated with annual assessments and invoices submitted by the Council for expenses attributable to the facility under Conn. Gen. Stat. §16-50v.
15. This Certificate may be transferred in accordance with Conn. Gen. Stat. §16-50k(b), provided both the Certificate Holder/transferor and the transferee are current with payments to the Council for their respective annual assessments and invoices under Conn. Gen. Stat. §16-50v. In addition, both the Certificate Holder/transferor and the transferee shall provide the Council a written agreement as to the entity responsible for any quarterly assessment charges under Conn. Gen. Stat. §16-50v(b)(2) that may be associated with this facility.

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 Waterbury Republican-American and The Register Citizen.

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

Cellco Partnership d/b/a
Verizon Wireless

Intervenor

Town of Cornwall

Intervenor

Frederic I. Thaler
Kathleen Mooney
66 Popple Swamp Road
Cornwall Bridge, CT 06754

Intervenor

Nicholas and Caroline Daifotis
239 Brushy Ridge Road
New Canaan, CT 06840

Its Representative

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

Its Representative

The Honorable Gordon M. Ridgway
First Selectman
Town of Cornwall
P.O. Box 97
Cornwall, CT 06753



STATE OF CONNECTICUT

CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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

E-Mail: siting.council@ct.gov

Web Site: portal.ct.gov/csc

VIA ELECTRONIC MAIL

July 17, 2020

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

RE: **TS-VER-031-200619** – Cellco Partnership d/b/a Verizon Wireless request for an order to approve tower sharing at an existing telecommunications facility located at 16 Bell Road Extension, Cornwall, Connecticut.

Dear Attorney Baldwin:

At a public meeting held on July 16, 2020, the Connecticut Siting Council (Council) ruled that the shared use of this existing tower site is technically, legally, environmentally, and economically feasible and meets public safety concerns, and therefore, in compliance with General Statutes § 16-50aa, the Council has ordered the shared use of this facility to avoid the unnecessary proliferation of tower structures with the following conditions:

1. Approval of any minor changes be delegated to Council staff;
2. Any deviation from the proposed installation as specified in the original tower share request and supporting materials with the Council shall render this decision invalid;
3. Any material changes to the proposed installation as specified in the original tower share request and supporting materials filed with the Council shall require an explicit request for modification to the Council pursuant to Connecticut General Statutes § 16-50aa, including all relevant information regarding the proposed change with cumulative worst-case modeling of radio frequency exposure at the closest point of uncontrolled access to the tower base, consistent with Federal Communications Commission, Office of Engineering and Technology, Bulletin 65;
4. Not less than 45 days after completion of the proposed installation, the Council shall be notified in writing that the installation has been completed;
5. Any nonfunctioning antenna and associated antenna mounting equipment on this facility owned and operated by Verizon shall be removed within 60 days of the date the antenna ceased to function;
6. The validity of this action shall expire one year from the date of this letter; and
7. The applicant may file a request for an extension of time beyond the one year deadline provided that such request is submitted to the Council not less than 60 days prior to the expiration.

This decision is under the exclusive jurisdiction of the Council and applies only to this request for tower sharing dated June 19, 2020. This facility has been carefully modeled to ensure that radio frequency emissions are conservatively below State and federal standards applicable to the frequencies now used on this tower. Any deviation from the approved tower sharing request is enforceable under the provisions of Connecticut General Statutes § 16-50u.

The proposed shared use is to be implemented as specified in your letter dated June 19, 2020, including the placement of all necessary equipment and shelters within the tower compound.

Please be advised that the validity of this action shall expire one year from the date of this letter.

Thank you for your attention and cooperation.

Sincerely,

s/ Melanie A. Bachman

Melanie Bachman
Executive Director

MAB/IN/emr

c: The Honorable Gordon M. Ridgway, First Selectman, Town of Cornwall
Karen Nelson, Administrator, Zoning Enforcement Officer and Clerk, Town of Cornwall

ATTACHMENT 2

KA-6030

TWIN BANDSTOP 900MHZ INTERFERENCE MITIGATION FILTER

The KA-6030 is ideal for co-located 700, 850 and 900 networks. Utilising a 2.6MHz guardband the KA-6030 provides rejection of the 900 UL band while passing 700/850 UL and DL bands. Capable of being used in an outdoor environment the KA-6030 contains two identical bandstop filters, suitable for 2x2 MIMO configuration, offering excellent insertion loss, group delay and rejection.



FEATURES

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

TECHNICAL SPECIFICATIONS

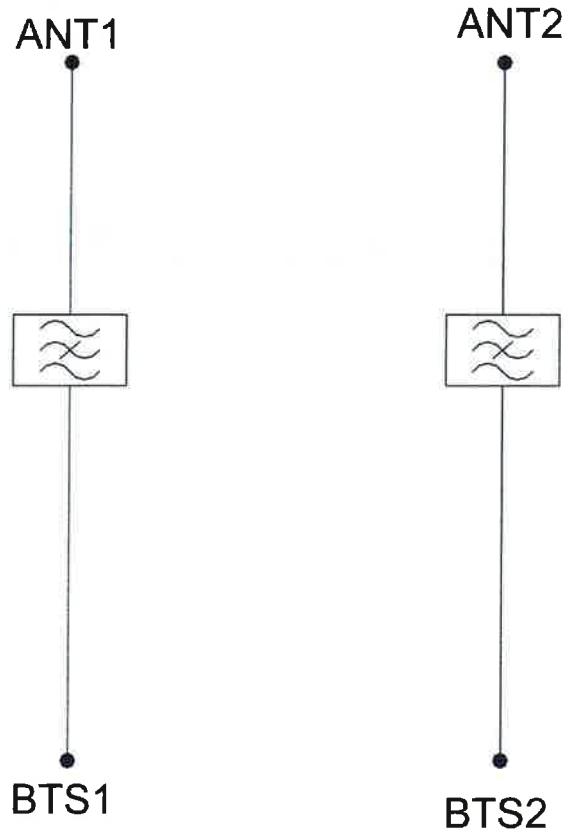
BAND NAME	700 PATH / 850 UPLINK PATH	850 DOWNLINK PATH
Passband	698 - 849MHz	869 - 891,5MHz
Insertion loss	0.1dB typical / 0.3dB maximum	0.5dB typical, 1.45dB maximum
Return loss	24dB typical, 18dB minimum	
Maximum input power (Per Port)	100W average	200W average and 66W per 5MHz
Rejection	53dB minimum @ 894,1 - 896,5MHz	
ELECTRICAL		
Impedance	50Ohms	
Intermodulation products	-160dBc maximum in UL Band (assuming 20MHz Signal), with 2 x 43dBm carriers -153dBc maximum with 2 x 43dBm	
DC / AISG		
Passband	0 - 13MHz	
Insertion loss	0,3dB maximum	
Return loss	15dB minimum	
Input voltage range	± 33V	
DC current rating	2A continuous, 4A peak	
Compliance	3GPP TS 25,461	
ENVIRONMENTAL		
For further details of environmental compliance, please contact Kaelus.		
Temperature range	-20°C to +60°C -4°F to +140°F	
Ingress protection	IP67	
Altitude	2600m 8530ft	
Lightning protection	RF port: ±5kA maximum (8/20us), IEC 61000-4-5 – Unit must be terminated with some lightning protection circuits.	
MTBF	>1,000,000 hours	
Compliance	ETSI EN 300 019 class 4,1H, RoHS, NEBS GR-487-CORE	

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

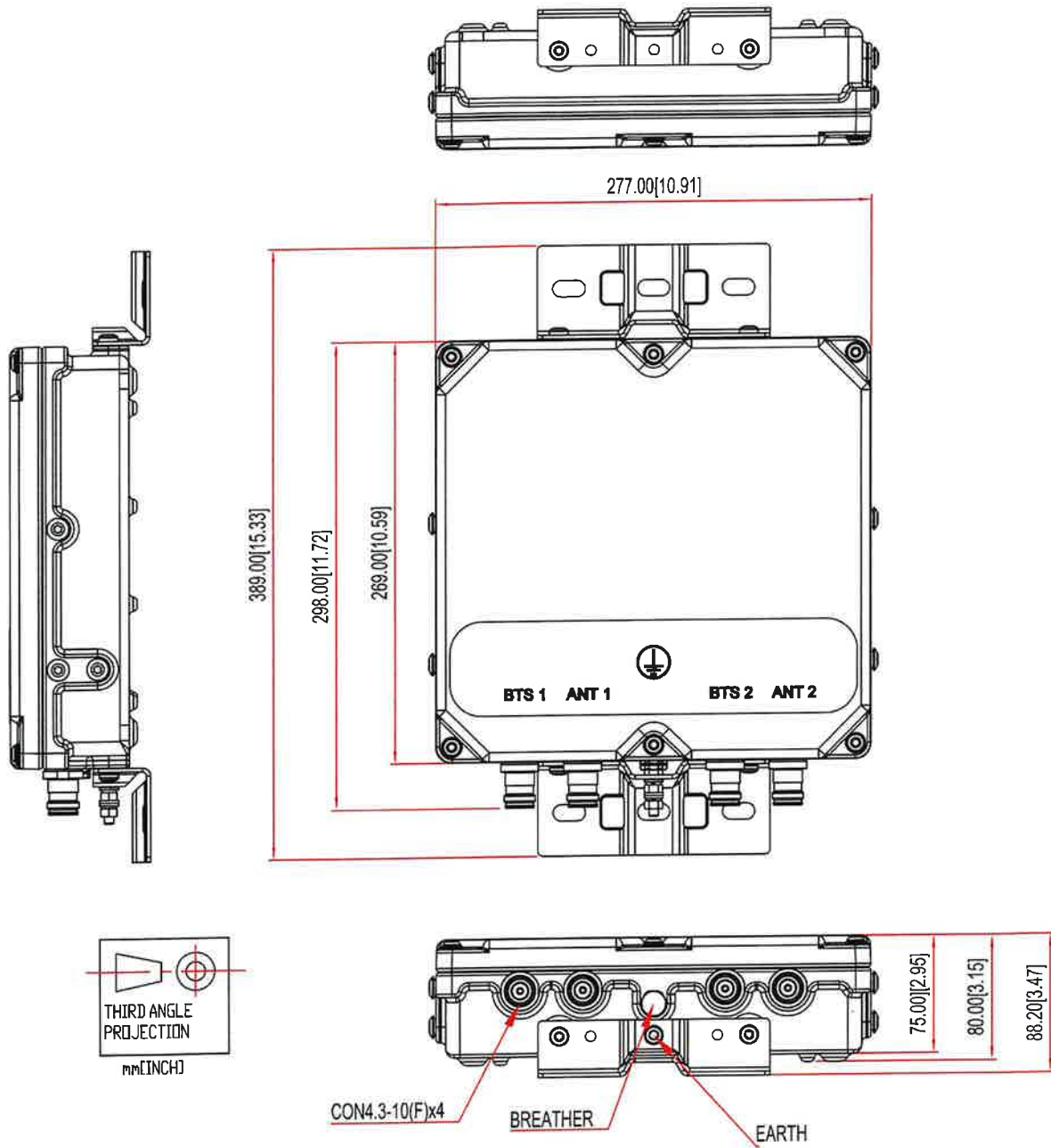
ORDERING INFORMATION

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

ELECTRICAL BLOCK DIAGRAM



MECHANICAL BLOCK DIAGRAM



ATTACHMENT 3



Structural Analysis Report

Location Code: 591561
Site Name: Cornwall CT
FUZE Project ID: 17123725
Project Name: RF Filter Add
Address: 16 Bell Road Extension,
Cornwall, CT 06754

Client:

verizon ✓

**20 ALEXANDER DRIVE
WALLINGFORD, CT 06492**

Date: 09/20/2023



Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



Scope of Work:

Centerline Communications was authorized by Verizon Wireless to perform an analysis of the existing 110 ft. monopole tower to determine its capacity to support the existing and proposed equipment listed in this report.

Existing & Proposed Equipment:

Carrier	Mounting Level (ft)	Center Line Elevation (ft)	Number of Appurtenances	Antenna Manufacturer	Appurtenance Model	Feed Lines (in)
Verizon Wireless	110.0	110.0	6	CommScope	NHH-45C-R2B	(1) 12x24 Hybrid
			3	Samsung	B2/B66 RFV01U-D1A	
			3	Samsung	B5/B13 RFV01U-D2A	
			3	Samsung	MT6407-77A	
			1	Raycap	RHSDC-6627-PF-48	
			1	Site Pro 1	RMQP-4096-HK Platform	
			2	Kaeulus	KA-6030	
			1	Site Pro 1	RRUDSM	

Note: Proposed equipment shown in bold.

Centerline Engineering Services, PA
 750 W Center St, Suite 301
 West Bridgewater, MA 02379
 781-713-4725



Design Criteria:


Design Codes:

2022 Connecticut State Building Code
2021 International Building Code
ASCE 7-16
TIA-222-H Standards

Basic Design Wind Speed (V)	114 mph
Wind Speed with Ice	40 mph
Ice Thickness	1.00 in.
Exposure Category	B
Topographic Category	1
Risk Category	II
Site Soil Class (Assumed)	D – Stiff Soil
Seismic Design Category	B
Spectral Response Acceleration Parameter at a Short Periods, S_s	0.172 g
Spectral Response Acceleration Parameter at a Period of 1 Second, S_1	0.054 g
Short Period Site Coefficient, F_a	1.60
Long Period Site Coefficient, F_v	2.40

***Refer to calculations for additional design criteria.**

Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725

Three decorative blue wavy lines at the bottom of the page, consisting of three parallel, slightly curved horizontal bands.



Conclusion:

Tower Section Capacity (Summary)

Section No.	Elevation ft	Component Type	Size	Critical Element	P lb	ϕP_{allow} lb	% Capacity	Pass Fail
L1	110 - 80	Pole	TP43.175x36.091x0.375	1	-9.01	2881.50	4.4	Pass
L2	80 - 46.08	Pole	TP50.434x41.0082x0.375	2	-17.49	3371.82	9.8	Pass
L3	46.08 - 1	Pole	TP60.33x48.0501x0.4375	3	-35.21	4865.34	14.2	Pass
							Summary	
							Pole (L3)	14.2
							RATING =	14.2
								Pass

Structure Rating (Max From All Components) =	14.2%
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Foundation Capacity (Summary)

Component	% Capacity	Pass Fail
Base Plate	7.2	Pass
Anchor Rods	17.1	Pass
Foundation – Soil Rating	16.4	Pass
Foundation – Structural Rating	10.3	Pass

Foundation Rating (Max From All Components) =	17.1%
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Recommendations:

The existing tower and its foundation have sufficient capacity to support the existing and proposed loading for the final loading configuration.

Reference Documents:

- Structural Analysis Report by Structural Components, dated 08/17/2021
- Lease Exhibit by Centerline, dated 09/01/2023
- Mount Analysis by Colliers Engineering & Design CT, P.C., dated 08/04/2023

Assumptions and Limitations:

- The tower and structures were built and maintained with the manufacturer’s specifications.
- The configuration of antennas, transmission cables, mounts and other appurtenances are as specified in this report and the referenced drawings.

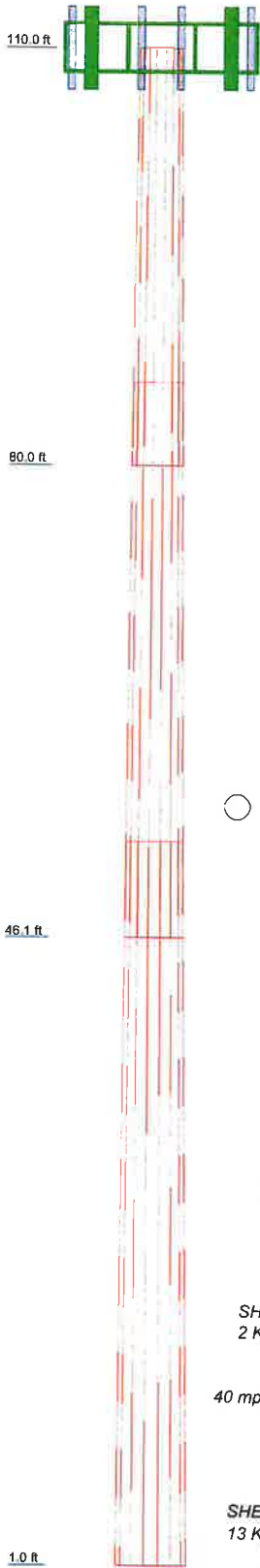
Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725



Design Calculations

Centerline Engineering Services, PA
750 W Center St, Suite 301
West Bridgewater, MA 02379
781-713-4725

Section	1	2	3	
Length (ft)	30.00	38.92	52.00	
Number of Slides	18	18	18	
Thickness (in)	0.3750	0.3750	0.4375	
Socket Length (ft)	6.00	6.92	48.0501	
Top Dia (in)	36.0910	41.0082	60.3300	
Bot Dia (in)	43.1750	50.4340		
Grade		A607-65		
Weight (K)	4.8	7.3	13.2	25.3



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Low Profile Platform w/ Rails	110	B5/B13 RRH-BR04C (RFV01U-D2A)	110
(2) NHH-45C-R2B	110	B5/B13 RRH-BR04C (RFV01U-D2A)	110
(2) NHH-45C-R2B	110	MT6407-77A	110
(2) NHH-45C-R2B	110	MT6407-77A	110
B2/B66A RRH-BR049 (RFV01U-D1A)	110	MT6407-77A	110
B2/B66A RRH-BR049 (RFV01U-D1A)	110	OVP 12	110
B2/B66A RRH-BR049 (RFV01U-D1A)	110	(2) KA-6030	110
B5/B13 RRH-BR04C (RFV01U-D2A)	110	RRUDSM	110

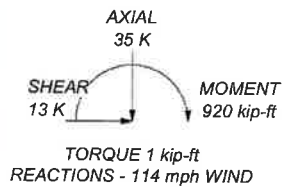
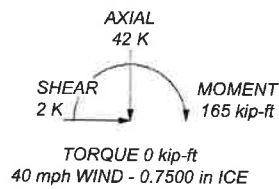
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

TOWER DESIGN NOTES

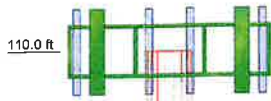
1. Tower designed for Exposure B to the TIA-222-H Standard.
2. Tower designed for a 114 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 40 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. TOWER RATING: 14.2%

ALL REACTIONS
ARE FACTORED



	Centerline Engineering Services, PA		Job: Cornwall CT		
	750 West Center Street, Suite 301 West Bridgewater, MA 02379		Project: 23CLVZ-0010		
	Phone: 781-713-4725 FAX: 781-713-4725		Client: Verizon Wireless	Drawn by: tvuong	App'd:
			Code: TIA-222-H	Date: 09/19/23	Scale: NTS
			Path:	Dwg No. E-1	

Section	1	2	3	
Length (ft)	30.00	39.92	52.00	
Number of Sides	18	18	18	
Thickness (in)	0.3750	0.3750	0.4375	
Socket Length (ft)	6.00	6.92		
Top Dia (in)	36.0810	41.0082	48.0501	
Bot Dia (in)	43.1750	50.4340	60.3300	
Grade		A607-65		
Weight (K)	4.8	7.3	13.2	25.3



110.0 ft
80.0 ft
46.1 ft
1.0 ft



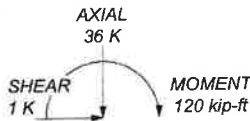
MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A607-65	65 ksi	80 ksi			

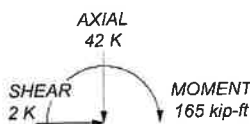
TOWER DESIGN NOTES

1. Tower designed for Exposure B to the TIA-222-H Standard.
2. Tower designed for a 114 mph basic wind in accordance with the TIA-222-H Standard.
3. Tower is also designed for a 40 mph basic wind with 0.75 in ice. Ice is considered to increase in thickness with height.
4. Deflections are based upon a 60 mph wind.
5. Tower Risk Category II.
6. Topographic Category 1 with Crest Height of 0.00 ft
7. Seismic loads do not control this analysis.
8. Seismic calculations are in accordance with TIA-222-H

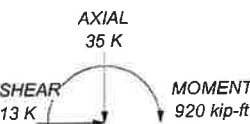
ALL REACTIONS
ARE FACTORED




SEISMIC



40 mph WIND - 0.7500 in ICE

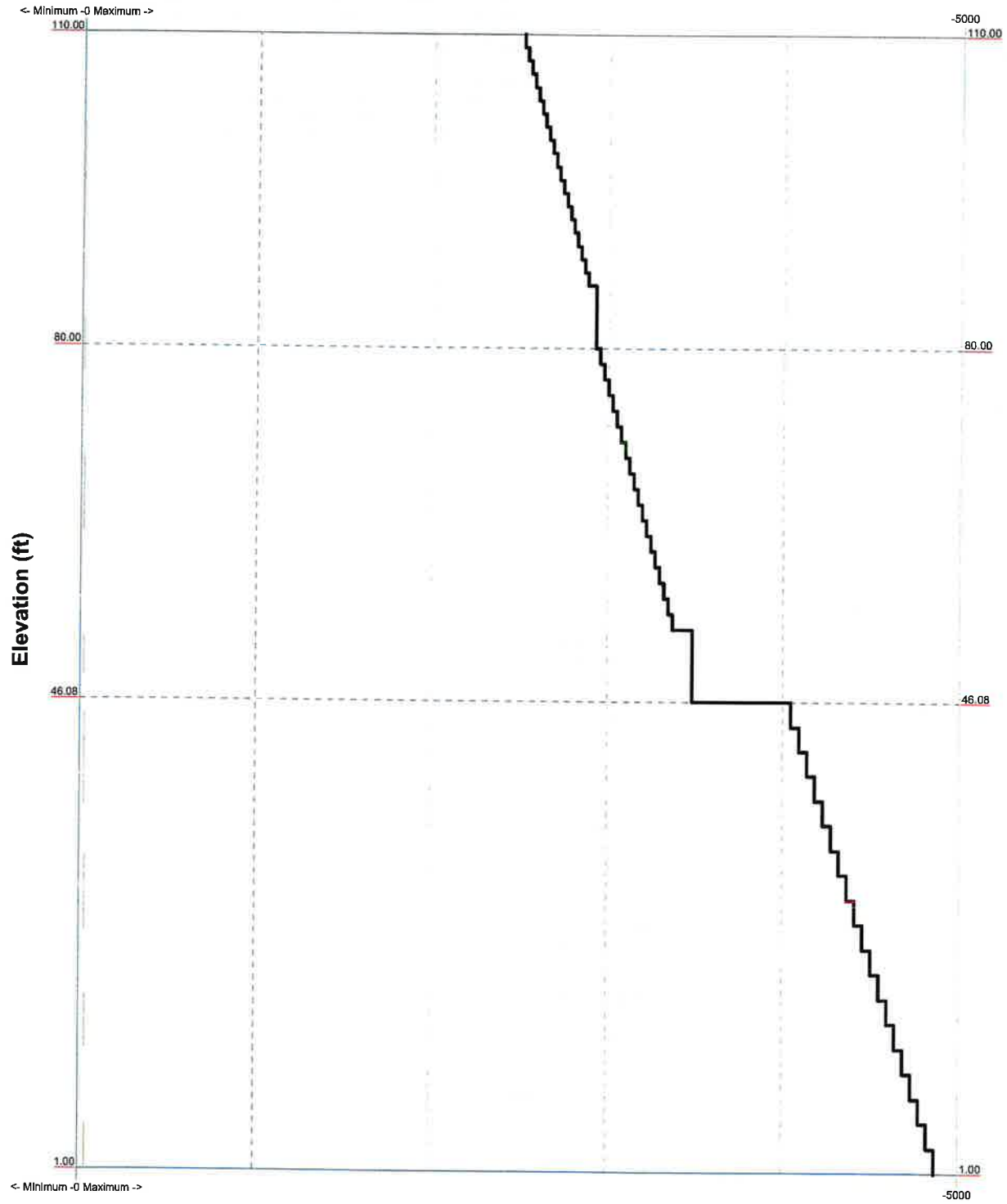


REACTIONS - 114 mph WIND

 <p>Centerline Engineering Services, PA 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX: 781-713-4725</p>	Job: Cornwall CT		
	Project: 23CLVZ-0010		
	Client: Verizon Wireless	Drawn by: tvuong	App'd:
	Code: TIA-222-H	Date: 09/19/23	Scale: NTS
	Path:		Dwg No. E-1

TIA-222-H - 114 mph/40 mph 0.7500 in Ice Exposure B

Leg Capacity ——— Leg Compression (K)



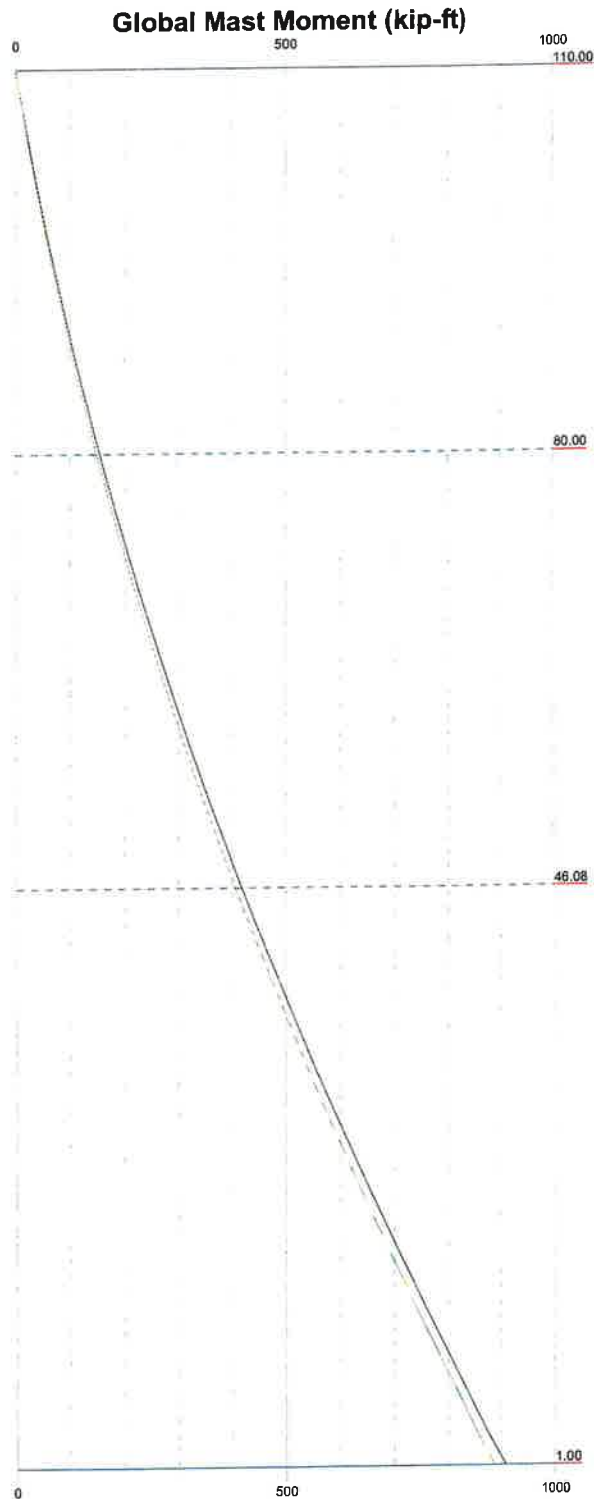
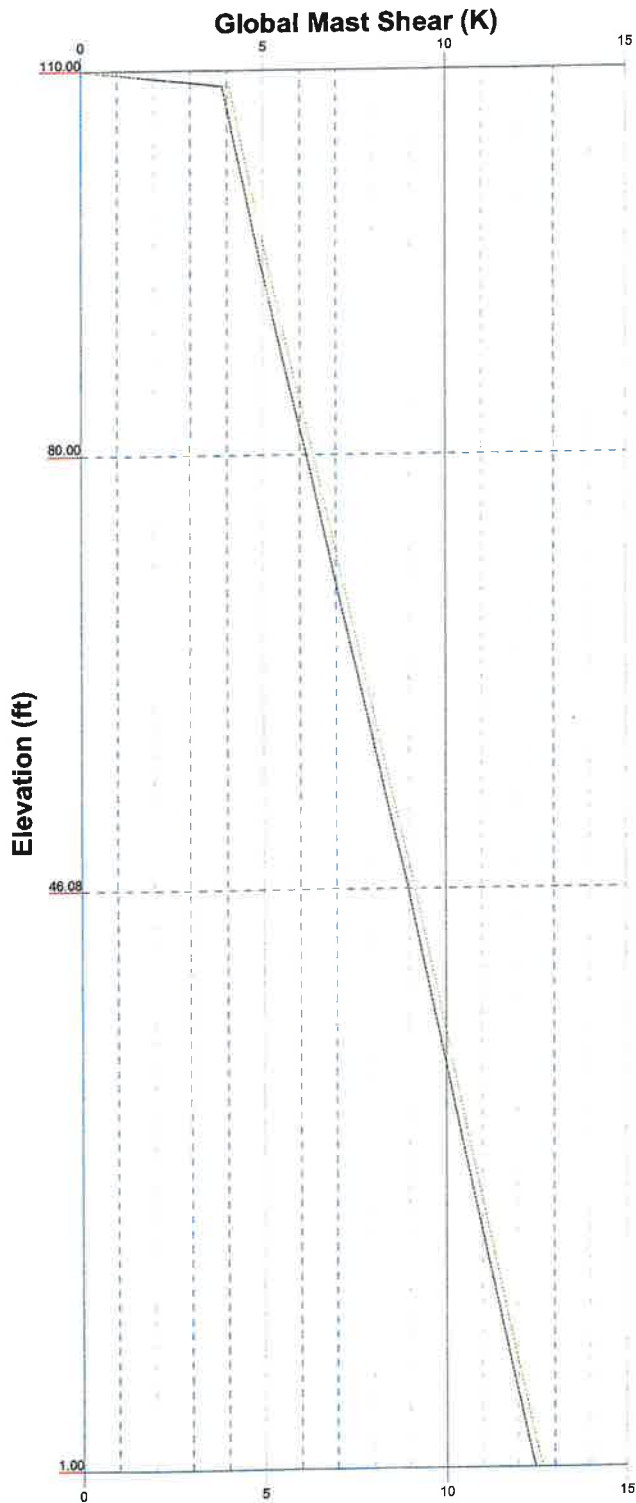
	Centerline Engineering Services, PA 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX: 781-713-4725		Job: Cornwall CT
	Project: 23CLVZ-0010		
	Client: Verizon Wireless	Drawn by: tvuong	App'd:
	Code: TIA-222-H	Date: 09/19/23	Scale: NTS
	Path:	Dwg No. E-3	

Vx

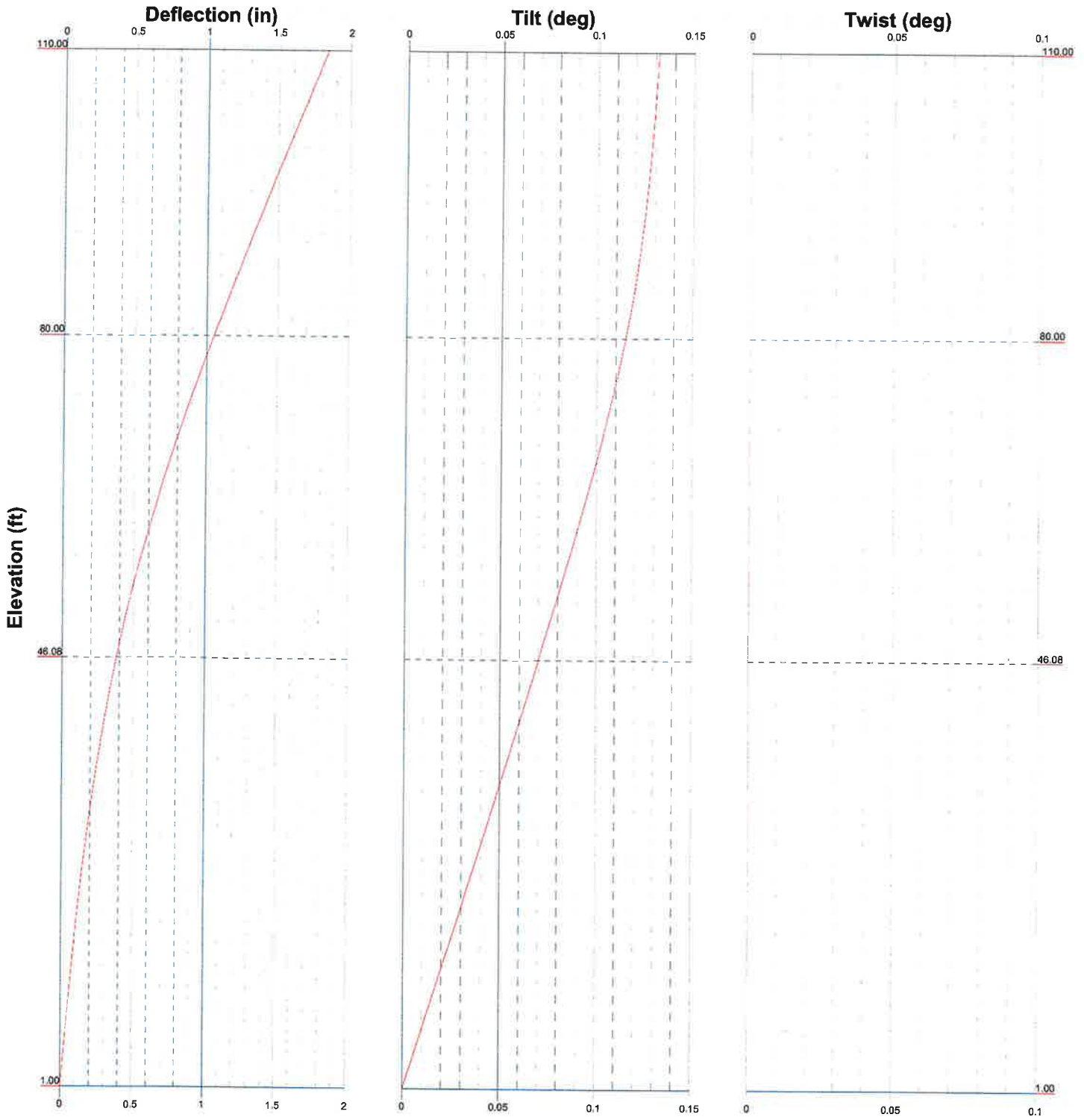
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Mx

Mz



	Centerline Engineering Services, PA 750 West Center Street, Suite 301 West Bridgewater, MA 02379 Phone: 781-713-4725 FAX: 781-713-4725			Job: Cornwall CT	
	Project: 23CLVZ-0010		Drawn by: tvuong	App'd:	
	Client: Verizon Wireless		Date: 09/19/23	Scale: NTS	
	Code: TIA-222-H		Path:		Dwg No: E-4

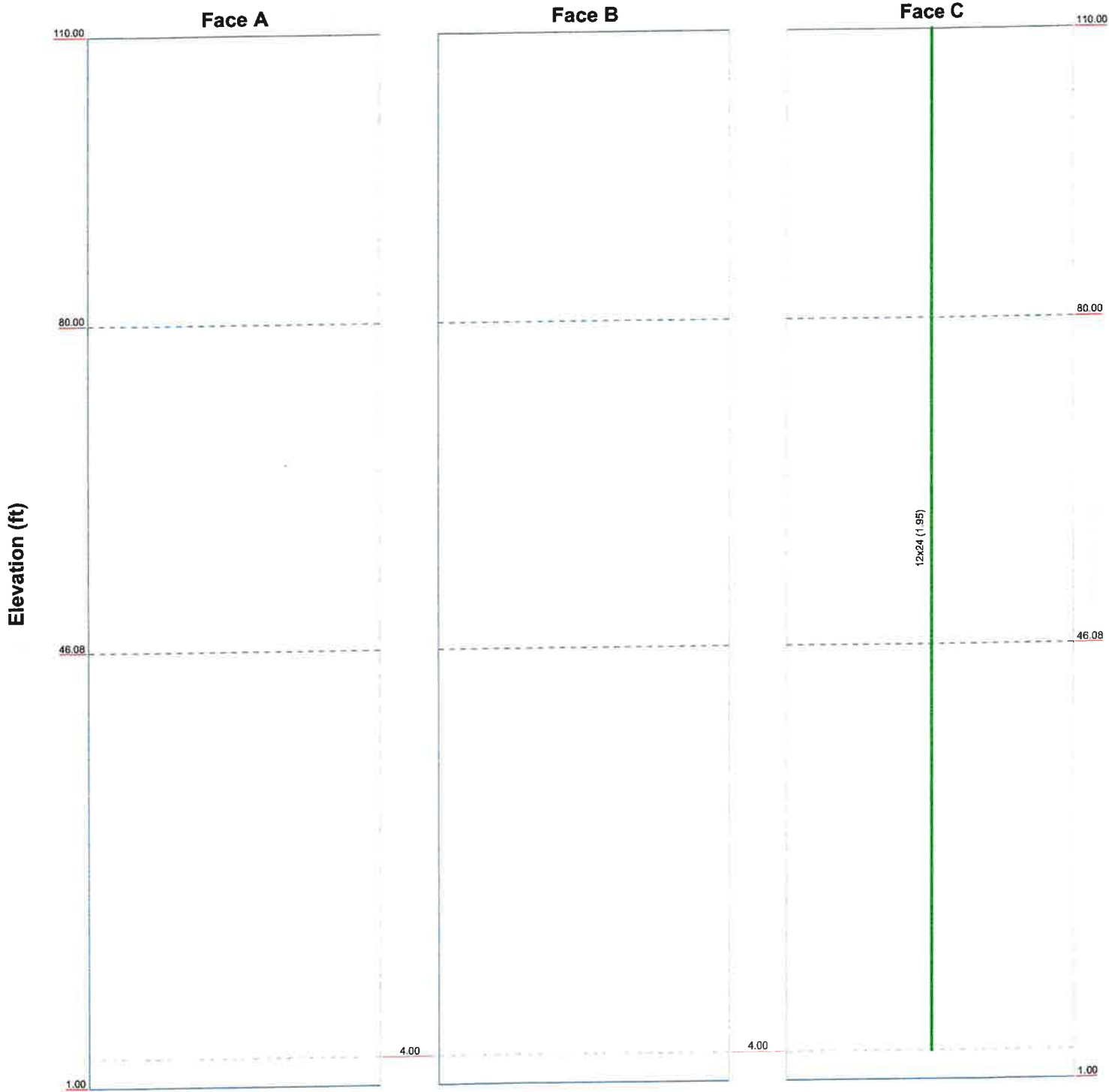


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Code: TIA-222-H	Date: 09/19/23	Scale: NTS	Dwg No. E-5
Path:			

Feed Line Distribution Chart

1' - 110'

— Round
 — Flat
 — App In Face
 — App Out Face
 — Truss Leg



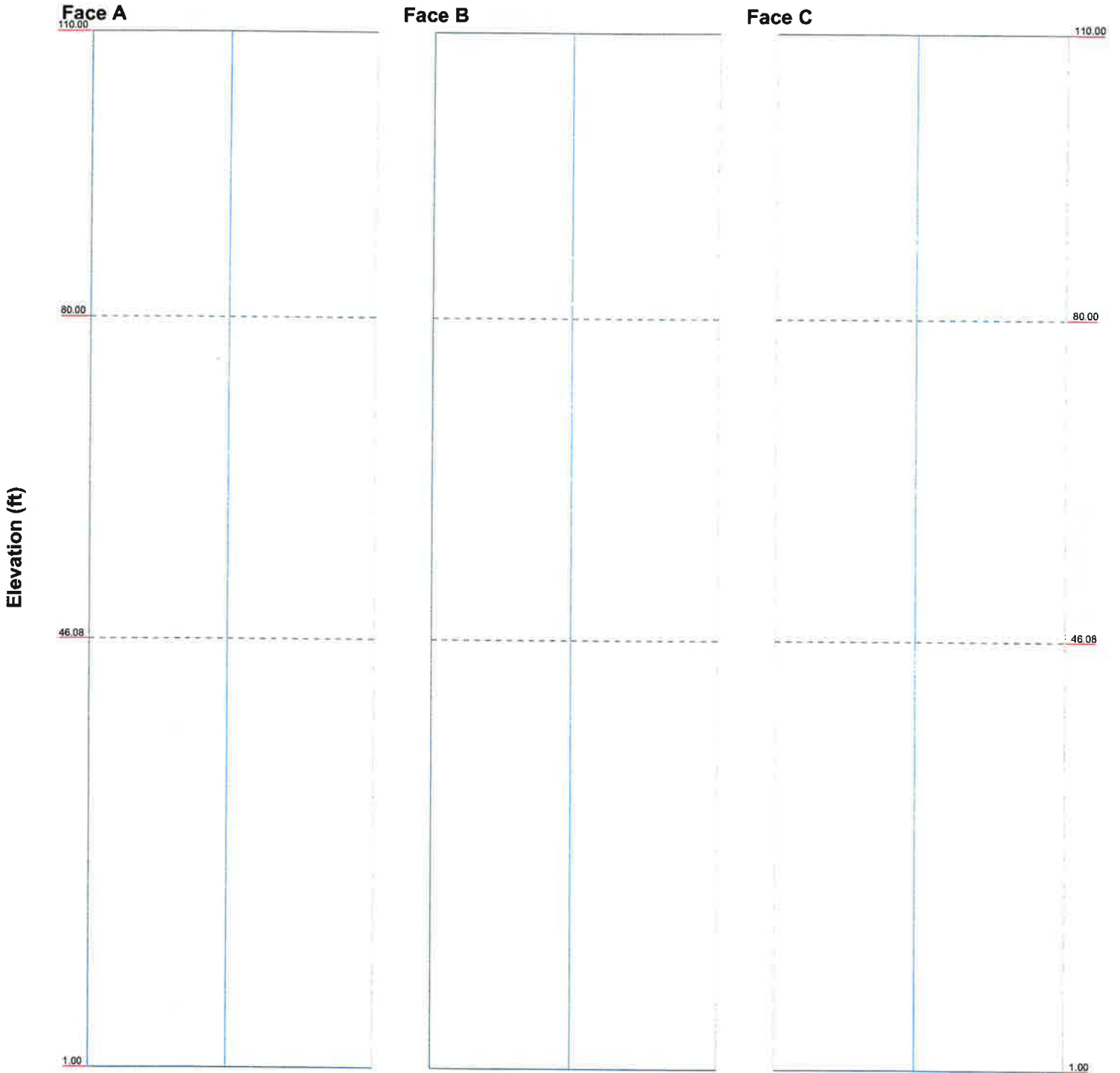
Centerline Engineering Services, P.A.
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 West Bridgewater, MA 02379
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 FAX: 781-713-4725

Job: Cornwall CT		
Project: 23CLVZ-0010		
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Code: TIA-222-H	Date: 09/19/23	Scale: NTS
Path:		Dwg No. E-7

Stress Distribution Chart

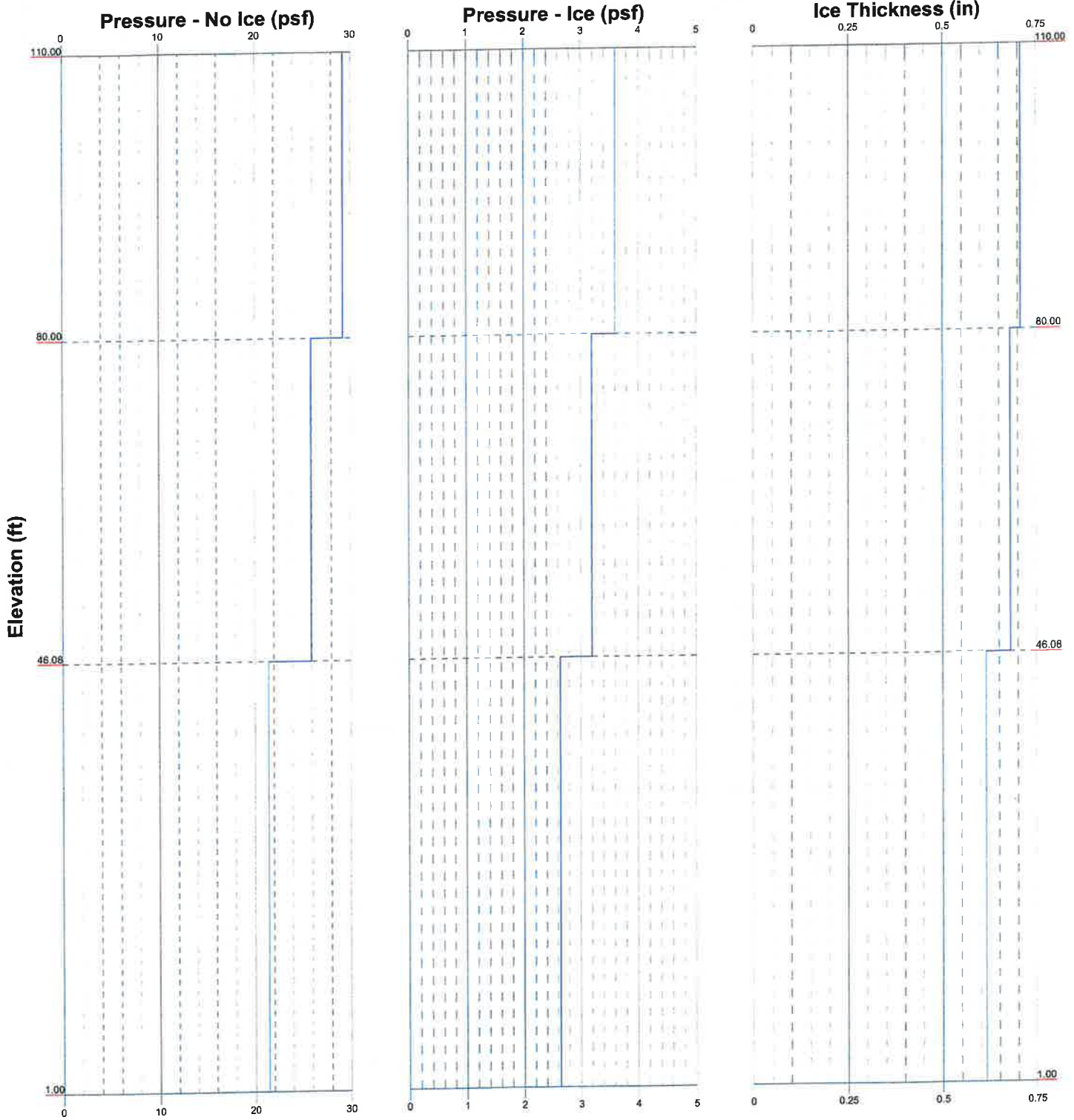
1' - 110'

■ > 100%
 ■ 90%-100%
 ■ 75%-90%
 ■ 50%-75%
 ■ < 50% Overstress



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Client: Verizon Wireless	Drawn by: tvuong	App'd:	
Code: TIA-222-H	Date: 09/19/23	Scale: NTS	
Path:		Dwg No E-8	

Wind Pressures and Ice Thickness
TIA-222-H - 114 mph/40 mph 0.7500 in Ice Exposure B



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	West Bridgewater, MA 02379		Client: Verizon Wireless	Drawn by: tyuong	App'd:
	Phone: 781-713-4725		Code: TIA-222-H	Date: 09/19/23	Scale: NTS
	FAX: 781-713-4725		Path:		Dwg No: E-9

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Tower Input Data

The tower is a monopole.

This tower is designed using the TIA-222-H standard.

The following design criteria apply:

- Tower base elevation above sea level: 1.00 ft.
- Basic wind speed of 114 mph.
- Risk Category II.
- Exposure Category B.
- Simplified Topographic Factor Procedure for wind speed-up calculations is used.
- Topographic Category: 1.
- Crest Height: 0.00 ft.
- Nominal ice thickness of 0.7500 in.
- Ice thickness is considered to increase with height.
- Ice density of 56 pcf.
- A wind speed of 40 mph is used in combination with ice.
- Temperature drop of 50 °F.
- Deflections calculated using a wind speed of 60 mph.
- A non-linear (P-delta) analysis was used.
- Pressures are calculated at each section.
- Stress ratio used in pole design is 1.
- Tower analysis based on target reliabilities in accordance with Annex S.
- Load Modification Factors used: $K_{es}(F_w) = 0.95$, $K_{es}(t_i) = 0.85$.
- Maximum demand-capacity ratio is: 1.
- Local bending stresses due to climbing loads, feed line supports, and appurtenance mounts are not considered.

Options

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> Consider Moments - Legs Consider Moments - Horizontals Consider Moments - Diagonals Use Moment Magnification √ Use Code Stress Ratios √ Use Code Safety Factors - Guys Escalate Ice Always Use Max Kz Use Special Wind Profile Include Bolts In Member Capacity Leg Bolts Are At Top Of Section Secondary Horizontal Braces Leg Use Diamond Inner Bracing (4 Sided) SR Members Have Cut Ends SR Members Are Concentric | <ul style="list-style-type: none"> Distribute Leg Loads As Uniform Assume Legs Pinned √ Assume Rigid Index Plate √ Use Clear Spans For Wind Area Use Clear Spans For KL/r Retention Guys To Initial Tension √ Bypass Mast Stability Checks √ Use Azimuth Dish Coefficients √ Project Wind Area of Appurt. Autocalc Torque Arm Areas Add IBC .6D+W Combination √ Sort Capacity Reports By Component Triangulate Diamond Inner Bracing Treat Feed Line Bundles As Cylinder Ignore KL/ry For 60 Deg. Angle Legs | <ul style="list-style-type: none"> Use ASCE 10 X-Brace Ly Rules Calculate Redundant Bracing Forces Ignore Redundant Members in FEA SR Leg Bolts Resist Compression All Leg Panels Have Same Allowable Offset Girt At Foundation √ Consider Feed Line Torque Include Angle Block Shear Check Use TIA-222-H Bracing Resist. Exemption Use TIA-222-H Tension Splice Exemption <li style="text-align: center;">Poles √ Include Shear-Torsion Interaction Always Use Sub-Critical Flow Use Top Mounted Sockets Pole Without Linear Attachments Pole With Shroud Or No Appurtenances Outside and Inside Corner Radii Are Known |
|--|---|---|

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Tapered Pole Section Geometry

Section	Elevation ft	Section Length ft	Splice Length ft	Number of Sides	Top Diameter in	Bottom Diameter in	Wall Thickness in	Bend Radius in	Pole Grade
L1	110.00-80.00	30.00	6.00	18	36.0910	43.1750	0.3750	1.5000	A607-65 (65 ksi)
L2	80.00-46.08	39.92	6.92	18	41.0082	50.4340	0.3750	1.5000	A607-65 (65 ksi)
L3	46.08-1.00	52.00		18	48.0501	60.3300	0.4375	1.7500	A607-65 (65 ksi)

Tapered Pole Properties

Section	Tip Dia. in	Area in ²	I in ⁴	r in	C in	I/C in ³	J in ⁴	I/Q in ²	w in	w/t
L1	36.5899	42.5110	6851.1596	12.6792	18.3342	373.6814	13711.3341	21.2595	5.6920	15.179
	43.7832	50.9427	11789.8138	15.1940	21.9329	537.5401	23595.1410	25.4762	6.9388	18.503
L2	43.0215	48.3637	10088.3169	14.4248	20.8322	484.2664	20189.9083	24.1864	6.5574	17.487
	51.1542	59.5827	18863.4945	17.7709	25.6205	736.2665	37751.8100	29.7970	8.2164	21.91
L3	50.3832	66.1160	18935.9574	16.9025	24.4094	775.7639	37896.8312	33.0643	7.6868	17.57
	61.1932	83.1682	37691.1818	21.2618	30.6476	1229.8233	75431.9586	41.5920	9.8481	22.51

Tower Elevation ft	Gusset Area (per face) ft ²	Gusset Thickness in	Gusset Grade	Adjust. Factor A _f	Adjust. Factor A _r	Weight Mult.	Double Angle Stitch Bolt Spacing Diagonals in	Double Angle Stitch Bolt Spacing Horizontals in	Double Angle Stitch Bolt Spacing Redundants in
L1 110.00-80.00				1	1	1			
L2 80.00-46.08				1	1	1			
L3 46.08-1.00				1	1	1			

Feed Line/Linear Appurtenances - Entered As Area

Description	Face or Leg	Allow Shield	Exclude From Torque Calculation	Component Type	Placement ft	Total Number	C _{AA} ft ² /ft	Weight plf
12x24 (1.95)	C	No	No	Inside Pole	110.00 - 4.00	1	No Ice	2.80
							1/2" Ice	2.80
							1" Ice	2.80

Feed Line/Linear Appurtenances Section Areas

Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
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Tower Section	Tower Elevation ft	Face	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	110.00-80.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.08
L2	80.00-46.08	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.09
L3	46.08-1.00	A	0.000	0.000	0.000	0.000	0.00
		B	0.000	0.000	0.000	0.000	0.00
		C	0.000	0.000	0.000	0.000	0.12

Feed Line/Linear Appurtenances Section Areas - With Ice

Tower Section	Tower Elevation ft	Face or Leg	Ice Thickness in	A _R ft ²	A _F ft ²	C _{AA} In Face ft ²	C _{AA} Out Face ft ²	Weight K
L1	110.00-80.00	A	0.708	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.08
L2	80.00-46.08	A	0.680	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.09
L3	46.08-1.00	A	0.615	0.000	0.000	0.000	0.000	0.00
		B		0.000	0.000	0.000	0.000	0.00
		C		0.000	0.000	0.000	0.000	0.12

Feed Line Center of Pressure

Section	Elevation ft	CP _X in	CP _Z in	CP _X Ice in	CP _Z Ice in
L1	110.00-80.00	0.0000	0.0000	0.0000	0.0000
L2	80.00-46.08	0.0000	0.0000	0.0000	0.0000
L3	46.08-1.00	0.0000	0.0000	0.0000	0.0000

Note: For pole sections, center of pressure calculations do not consider feed line shielding.

Discrete Tower Loads

Description	Face or Leg	Offset Type	Offsets: Horz Lateral Vert ft ft ft	Azimuth Adjustment °	Placement ft	C _{AA} Front ft ²	C _{AA} Side ft ²	Weight K	
Low Profile Platform w/ Rails	C	None		0.0000	110.00	No Ice	33.80	33.80	2.04
						1/2" Ice	43.60	43.60	2.75
						1" Ice	53.40	53.40	3.45

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Description	Face or Leg	Offset Type	Offsets:		Azimuth Adjustment	Placement	C _{AA} Front	C _{AA} Side	Weight	
			Horz	Vert						ft
			Lateral		°	ft	ft ²	ft ²	K	
(2) NHH-45C-R2B	A	From Face	3.00		33.0000	110.00	No Ice	15.89	7.58	0.14
			0.00				1/2" Ice	16.51	8.17	0.23
			0.00				1" Ice	17.14	8.76	0.32
(2) NHH-45C-R2B	B	From Face	3.00		45.0000	110.00	No Ice	15.89	7.58	0.14
			0.00				1/2" Ice	16.51	8.17	0.23
			0.00				1" Ice	17.14	8.76	0.32
(2) NHH-45C-R2B	C	From Face	3.00		25.0000	110.00	No Ice	15.89	7.58	0.14
			0.00				1/2" Ice	16.51	8.17	0.23
			0.00				1" Ice	17.14	8.76	0.32
B2/B66A RRH-BR049 (RFV01U-D1A)	A	From Face	2.00		33.0000	110.00	No Ice	1.88	1.25	0.08
			0.00				1/2" Ice	2.05	1.39	0.10
			0.00				1" Ice	2.22	1.54	0.12
B2/B66A RRH-BR049 (RFV01U-D1A)	B	From Face	2.00		45.0000	110.00	No Ice	1.88	1.25	0.08
			0.00				1/2" Ice	2.05	1.39	0.10
			0.00				1" Ice	2.22	1.54	0.12
B2/B66A RRH-BR049 (RFV01U-D1A)	C	From Face	2.00		25.0000	110.00	No Ice	1.88	1.25	0.08
			0.00				1/2" Ice	2.05	1.39	0.10
			0.00				1" Ice	2.22	1.54	0.12
B5/B13 RRH-BR04C (RFV01U-D2A)	A	From Face	2.00		33.0000	110.00	No Ice	1.88	1.01	0.07
			0.00				1/2" Ice	2.05	1.14	0.09
			0.00				1" Ice	2.22	1.28	0.11
B5/B13 RRH-BR04C (RFV01U-D2A)	B	From Face	2.00		45.0000	110.00	No Ice	1.88	1.01	0.07
			0.00				1/2" Ice	2.05	1.14	0.09
			0.00				1" Ice	2.22	1.28	0.11
B5/B13 RRH-BR04C (RFV01U-D2A)	C	From Face	2.00		25.0000	110.00	No Ice	1.88	1.01	0.07
			0.00				1/2" Ice	2.05	1.14	0.09
			0.00				1" Ice	2.22	1.28	0.11
MT6407-77A	A	From Face	3.00		33.0000	110.00	No Ice	4.70	1.84	0.09
			0.00				1/2" Ice	4.99	2.07	0.12
			0.00				1" Ice	5.28	2.30	0.15
MT6407-77A	B	From Face	3.00		45.0000	110.00	No Ice	4.70	1.84	0.09
			0.00				1/2" Ice	4.99	2.07	0.12
			0.00				1" Ice	5.28	2.30	0.15
MT6407-77A	C	From Face	3.00		25.0000	110.00	No Ice	4.70	1.84	0.09
			0.00				1/2" Ice	4.99	2.07	0.12
			0.00				1" Ice	5.28	2.30	0.15
RHSDC-6627-PF-48	A	From Face	1.00		33.0000	110.00	No Ice	1.34	2.51	0.03
			0.00				1/2" Ice	1.49	2.71	0.05
			0.00				1" Ice	1.65	2.92	0.08
(2) KA-6030	A	From Face	3.00		0.0000	110.00	No Ice	0.77	0.28	0.03
			0.00				1/2" Ice	0.88	0.35	0.03
			3.00				1" Ice	1.00	0.43	0.04
RRUDSM	A	From Face	3.00		0.0000	110.00	No Ice	1.13	1.13	0.04
			0.00				1/2" Ice	1.69	1.69	0.09
			3.00				1" Ice	2.25	2.25	0.13

Tower Pressures - No Ice

$$G_H = 1.100$$

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Section Elevation	z	K _Z	q _z	A _G	F _a	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face	C _A A _A Out Face
ft	ft		psf	ft ²	e	ft ²	ft ²	ft ²		ft ²	ft ²
L1 110.00-80.00	94.55	0.973	29	100.466	A	0.000	100.466	100.466	100.00	0.000	0.000
					B	0.000	100.466		100.00	0.000	0.000
					C	0.000	100.466		100.00	0.000	0.000
L2 80.00-46.08	62.88	0.866	26	133.102	A	0.000	133.102	133.102	100.00	0.000	0.000
					B	0.000	133.102		100.00	0.000	0.000
					C	0.000	133.102		100.00	0.000	0.000
L3 46.08-1.00	23.05	0.7	21	209.578	A	0.000	209.578	209.578	100.00	0.000	0.000
					B	0.000	209.578		100.00	0.000	0.000
					C	0.000	209.578		100.00	0.000	0.000

Tower Pressure - With Ice

$$G_H = 1.100$$

Section Elevation	z	K _Z	q _z	t _z	A _G	F _a	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face	C _A A _A Out Face
ft	ft		psf	in	ft ²	e	ft ²	ft ²	ft ²		ft ²	ft ²
L1 110.00-80.00	94.55	0.973	4	0.7083	104.008	A	0.000	104.008	104.008	100.00	0.000	0.000
						B	0.000	104.008		100.00	0.000	0.000
						C	0.000	104.008		100.00	0.000	0.000
L2 80.00-46.08	62.88	0.866	3	0.6800	137.106	A	0.000	137.106	137.106	100.00	0.000	0.000
						B	0.000	137.106		100.00	0.000	0.000
						C	0.000	137.106		100.00	0.000	0.000
L3 46.08-1.00	23.05	0.7	3	0.6150	214.686	A	0.000	214.686	214.686	100.00	0.000	0.000
						B	0.000	214.686		100.00	0.000	0.000
						C	0.000	214.686		100.00	0.000	0.000

Tower Pressure - Service

$$G_H = 1.100$$

Section Elevation	z	K _Z	q _z	A _G	F _a	A _F	A _R	A _{leg}	Leg %	C _A A _A In Face	C _A A _A Out Face
ft	ft		psf	ft ²	e	ft ²	ft ²	ft ²	°	ft ²	ft ²
L1 110.00-80.00	94.55	0.973	8	100.466	A	0.000	100.466	100.466	100.00	0.000	0.000
					B	0.000	100.466		100.00	0.000	0.000
					C	0.000	100.466		100.00	0.000	0.000
L2 80.00-46.08	62.88	0.866	7	133.102	A	0.000	133.102	133.102	100.00	0.000	0.000
					B	0.000	133.102		100.00	0.000	0.000
					C	0.000	133.102		100.00	0.000	0.000
L3 46.08-1.00	23.05	0.7	6	209.578	A	0.000	209.578	209.578	100.00	0.000	0.000
					B	0.000	209.578		100.00	0.000	0.000
					C	0.000	209.578		100.00	0.000	0.000

Tower Forces - No Ice - Wind Normal To Face

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Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1 110.00-80.00	0.08	4.77	A B C	1 1 1	0.73	29	1 1 1	1 1 1	100.466 100.466 100.466	2.36	78.53	C
L2 80.00-46.08	0.09	7.33	A B C	1 1 1	0.73	26	1 1 1	1 1 1	133.102 133.102 133.102	2.77	81.61	C
L3 46.08-1.00	0.12	13.21	A B C	1 1 1	0.73	21	1 1 1	1 1 1	209.578 209.578 209.578	3.61	80.06	C
Sum Weight:	0.30	25.31						OTM	471.27 kip-ft	8.73		

Tower Forces - No Ice - Wind 60 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1 110.00-80.00	0.08	4.77	A B C	1 1 1	0.73	29	1 1 1	1 1 1	100.466 100.466 100.466	2.36	78.53	C
L2 80.00-46.08	0.09	7.33	A B C	1 1 1	0.73	26	1 1 1	1 1 1	133.102 133.102 133.102	2.77	81.61	C
L3 46.08-1.00	0.12	13.21	A B C	1 1 1	0.73	21	1 1 1	1 1 1	209.578 209.578 209.578	3.61	80.06	C
Sum Weight:	0.30	25.31						OTM	471.27 kip-ft	8.73		

Tower Forces - No Ice - Wind 90 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1 110.00-80.00	0.08	4.77	A B C	1 1 1	0.73	29	1 1 1	1 1 1	100.466 100.466 100.466	2.36	78.53	C
L2 80.00-46.08	0.09	7.33	A B C	1 1 1	0.73	26	1 1 1	1 1 1	133.102 133.102 133.102	2.77	81.61	C
L3 46.08-1.00	0.12	13.21	A B C	1 1 1	0.73	21	1 1 1	1 1 1	209.578 209.578 209.578	3.61	80.06	C
Sum Weight:	0.30	25.31						OTM	471.27 kip-ft	8.73		

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Tower Forces - With Ice - Wind Normal To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1 110.00-80.00	0.08	5.83	A	1	1.2	4	1	1	104.008	0.49	16.45	C
			B	1	1.2		1	1	104.008			
			C	1	1.2		1	1	104.008			
L2 80.00-46.08	0.09	8.67	A	1	1.2	3	1	1	136.946	0.58	16.99	C
			B	1	1.2		1	1	136.946			
			C	1	1.2		1	1	136.946			
L3 46.08-1.00	0.12	15.11	A	1	1.2	3	1	1	214.199	0.75	16.56	C
			B	1	1.2		1	1	214.199			
			C	1	1.2		1	1	214.199			
Sum Weight:	0.30	29.61						OTM	98.30 kip-ft	1.82		

Tower Forces - With Ice - Wind 60 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1 110.00-80.00	0.08	5.83	A	1	1.2	4	1	1	104.008	0.49	16.45	C
			B	1	1.2		1	1	104.008			
			C	1	1.2		1	1	104.008			
L2 80.00-46.08	0.09	8.67	A	1	1.2	3	1	1	136.946	0.58	16.99	C
			B	1	1.2		1	1	136.946			
			C	1	1.2		1	1	136.946			
L3 46.08-1.00	0.12	15.11	A	1	1.2	3	1	1	214.199	0.75	16.56	C
			B	1	1.2		1	1	214.199			
			C	1	1.2		1	1	214.199			
Sum Weight:	0.30	29.61						OTM	98.30 kip-ft	1.82		

Tower Forces - With Ice - Wind 90 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1 110.00-80.00	0.08	5.83	A	1	1.2	4	1	1	104.008	0.49	16.45	C
			B	1	1.2		1	1	104.008			
			C	1	1.2		1	1	104.008			
L2 80.00-46.08	0.09	8.67	A	1	1.2	3	1	1	136.946	0.58	16.99	C
			B	1	1.2		1	1	136.946			
			C	1	1.2		1	1	136.946			

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Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L3 46.08-1.00	0.12	15.11	A	1	1.2	3	1	1	214.199	0.75	16.56	C
			B	1	1.2		1	1	214.199			
			C	1	1.2		1	1	214.199			
Sum Weight:	0.30	29.61						OTM	98.30 kip-ft	1.82		

Tower Forces - Service - Wind Normal To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1 110.00-80.00	0.08	4.77	A	1	0.73	8	1	1	100.466	0.61	20.49	C
			B	1	0.73		1	1	100.466			
			C	1	0.73		1	1	100.466			
L2 80.00-46.08	0.09	7.33	A	1	0.73	7	1	1	133.102	0.72	21.29	C
			B	1	0.73		1	1	133.102			
			C	1	0.73		1	1	133.102			
L3 46.08-1.00	0.12	13.21	A	1	0.73	6	1	1	209.578	0.94	20.89	C
			B	1	0.73		1	1	209.578			
			C	1	0.73		1	1	209.578			
Sum Weight:	0.30	25.31						OTM	122.95 kip-ft	2.28		

Tower Forces - Service - Wind 60 To Face

Section Elevation	Add Weight	Self Weight	F a c e	e	C _F	q _z	D _F	D _R	A _E	F	w	Ctrl. Face
ft	K	K				psf			ft ²	K	plf	
L1 110.00-80.00	0.08	4.77	A	1	0.73	8	1	1	100.466	0.61	20.49	C
			B	1	0.73		1	1	100.466			
			C	1	0.73		1	1	100.466			
L2 80.00-46.08	0.09	7.33	A	1	0.73	7	1	1	133.102	0.72	21.29	C
			B	1	0.73		1	1	133.102			
			C	1	0.73		1	1	133.102			
L3 46.08-1.00	0.12	13.21	A	1	0.73	6	1	1	209.578	0.94	20.89	C
			B	1	0.73		1	1	209.578			
			C	1	0.73		1	1	209.578			
Sum Weight:	0.30	25.31						OTM	122.95 kip-ft	2.28		

Tower Forces - Service - Wind 90 To Face

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Section Elevation ft	Add Weight K	Self Weight K	F a c e	e	C _F	q _z psf	D _F	D _R	A _E ft ²	F K	w plf	Ctrl. Face
L1 110.00-80.00	0.08	4.77	A B C	1 1 1	0.73 0.73 0.73	8	1 1 1	1 1 1	100.466 100.466 100.466	0.61	20.49	C
L2 80.00-46.08	0.09	7.33	A B C	1 1 1	0.73 0.73 0.73	7	1 1 1	1 1 1	133.102 133.102 133.102	0.72	21.29	C
L3 46.08-1.00	0.12	13.21	A B C	1 1 1	0.73 0.73 0.73	6	1 1 1	1 1 1	209.578 209.578 209.578	0.94	20.89	C
Sum Weight:	0.30	25.31						OTM	122.95 kip-ft	2.28		

Force Totals

Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M _x kip-ft	Sum of Overturning Moments, M _z kip-ft	Sum of Torques kip-ft
Leg Weight	25.31					
Bracing Weight	0.00					
Total Member Self-Weight	25.31					
Total Weight	29.34			-0.26	0.46	
Wind 0 deg - No Ice		-0.17	-12.67	-900.79	19.07	-0.09
Wind 30 deg - No Ice		6.09	-10.89	-770.83	-423.07	-0.56
Wind 60 deg - No Ice		10.72	-6.19	-434.40	-751.72	-0.87
Wind 90 deg - No Ice		12.47	0.17	18.36	-878.84	-0.95
Wind 120 deg - No Ice		10.89	6.48	466.12	-770.34	-0.78
Wind 150 deg - No Ice		6.38	11.06	788.92	-455.31	-0.39
Wind 180 deg - No Ice		0.17	12.67	900.26	-18.16	0.09
Wind 210 deg - No Ice		-6.09	10.89	770.31	423.98	0.56
Wind 240 deg - No Ice		-10.72	6.19	433.88	752.63	0.87
Wind 270 deg - No Ice		-12.47	-0.17	-18.88	879.75	0.95
Wind 300 deg - No Ice		-10.89	-6.48	-466.65	771.25	0.78
Wind 330 deg - No Ice		-6.38	-11.06	-789.45	456.23	0.39
Member Ice	4.30					
Total Weight Ice	35.84			-0.48	0.84	
Wind 0 deg - Ice		-0.02	-2.39	-161.01	3.17	-0.03
Wind 30 deg - Ice		1.16	-2.06	-138.34	-76.10	-0.09
Wind 60 deg - Ice		2.04	-1.18	-78.73	-134.75	-0.13
Wind 90 deg - Ice		2.36	0.02	1.85	-157.08	-0.13
Wind 120 deg - Ice		2.06	1.21	81.80	-137.09	-0.10
Wind 150 deg - Ice		1.20	2.08	139.70	-80.14	-0.04
Wind 180 deg - Ice		0.02	2.39	160.04	-1.49	0.03
Wind 210 deg - Ice		-1.16	2.06	137.37	77.78	0.09
Wind 240 deg - Ice		-2.04	1.18	77.76	136.43	0.13
Wind 270 deg - Ice		-2.36	-0.02	-2.82	158.75	0.13
Wind 300 deg - Ice		-2.06	-1.21	-82.77	138.76	0.10
Wind 330 deg - Ice		-1.20	-2.08	-140.67	81.82	0.04
Total Weight	29.34			-0.26	0.46	
Wind 0 deg - Service		-0.04	-3.31	-235.20	5.31	-0.02
Wind 30 deg - Service		1.59	-2.84	-201.30	-110.04	-0.15
Wind 60 deg - Service		2.80	-1.61	-113.53	-195.78	-0.23
Wind 90 deg - Service		3.25	0.04	4.59	-228.95	-0.25
Wind 120 deg - Service		2.84	1.69	121.42	-200.64	-0.20

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Load Case	Vertical Forces K	Sum of Forces X K	Sum of Forces Z K	Sum of Overturning Moments, M _x kip-ft	Sum of Overturning Moments, M _z kip-ft	Sum of Torques kip-ft
Wind 150 deg - Service		1.67	2.88	205.63	-118.45	-0.10
Wind 180 deg - Service		0.04	3.31	234.68	-4.40	0.02
Wind 210 deg - Service		-1.59	2.84	200.77	110.95	0.15
Wind 240 deg - Service		-2.80	1.61	113.00	196.69	0.23
Wind 270 deg - Service		-3.25	-0.04	-5.12	229.86	0.25
Wind 300 deg - Service		-2.84	-1.69	-121.94	201.55	0.20
Wind 330 deg - Service		-1.67	-2.88	-206.16	119.36	0.10

Load Combinations

Comb. No.	Description
1	Dead Only
2	1.2 Dead+1.0 Wind 0 deg - No Ice
3	0.9 Dead+1.0 Wind 0 deg - No Ice
4	1.2 Dead+1.0 Wind 30 deg - No Ice
5	0.9 Dead+1.0 Wind 30 deg - No Ice
6	1.2 Dead+1.0 Wind 60 deg - No Ice
7	0.9 Dead+1.0 Wind 60 deg - No Ice
8	1.2 Dead+1.0 Wind 90 deg - No Ice
9	0.9 Dead+1.0 Wind 90 deg - No Ice
10	1.2 Dead+1.0 Wind 120 deg - No Ice
11	0.9 Dead+1.0 Wind 120 deg - No Ice
12	1.2 Dead+1.0 Wind 150 deg - No Ice
13	0.9 Dead+1.0 Wind 150 deg - No Ice
14	1.2 Dead+1.0 Wind 180 deg - No Ice
15	0.9 Dead+1.0 Wind 180 deg - No Ice
16	1.2 Dead+1.0 Wind 210 deg - No Ice
17	0.9 Dead+1.0 Wind 210 deg - No Ice
18	1.2 Dead+1.0 Wind 240 deg - No Ice
19	0.9 Dead+1.0 Wind 240 deg - No Ice
20	1.2 Dead+1.0 Wind 270 deg - No Ice
21	0.9 Dead+1.0 Wind 270 deg - No Ice
22	1.2 Dead+1.0 Wind 300 deg - No Ice
23	0.9 Dead+1.0 Wind 300 deg - No Ice
24	1.2 Dead+1.0 Wind 330 deg - No Ice
25	0.9 Dead+1.0 Wind 330 deg - No Ice
26	1.2 Dead+1.0 Ice+1.0 Temp
27	1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp
28	1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp
29	1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp
30	1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp
31	1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp
32	1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp
33	1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp
34	1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp
35	1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp
36	1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp
37	1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp
38	1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp
39	Dead+Wind 0 deg - Service
40	Dead+Wind 30 deg - Service
41	Dead+Wind 60 deg - Service
42	Dead+Wind 90 deg - Service
43	Dead+Wind 120 deg - Service
44	Dead+Wind 150 deg - Service

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Comb. No.	Description
45	Dead+Wind 180 deg - Service
46	Dead+Wind 210 deg - Service
47	Dead+Wind 240 deg - Service
48	Dead+Wind 270 deg - Service
49	Dead+Wind 300 deg - Service
50	Dead+Wind 330 deg - Service

Maximum Member Forces

Section No.	Elevation ft	Component Type	Condition	Gov. Load Comb.	Axial K	Major Axis Moment kip-ft	Minor Axis Moment kip-ft
L1	110 - 80	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	12.10	0.93	0.54
			Max. Mx	20	-9.01	113.53	4.48
			Max. My	2	-9.01	4.71	117.98
			Max. Vy	20	-5.66	113.53	4.48
			Max. Vx	2	-5.86	4.71	117.98
			Max. Torque	20			-0.96
L2	80 - 46.08	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-22.10	0.93	0.54
			Max. Mx	20	-17.49	345.50	10.18
			Max. My	2	-17.49	10.42	356.47
			Max. Vy	20	-8.38	345.50	10.18
			Max. Vx	2	-8.58	10.42	356.47
			Max. Torque	20			-0.96
L3	46.08 - 1	Pole	Max Tension	1	0.00	0.00	0.00
			Max. Compression	26	-42.24	0.93	0.54
			Max. Mx	20	-35.21	887.63	19.13
			Max. My	2	-35.21	19.37	908.85
			Max. Vy	20	-12.48	887.63	19.13
			Max. Vx	2	-12.67	19.37	908.85
			Max. Torque	20			-0.96

Maximum Reactions

Location	Condition	Gov. Load Comb.	Vertical K	Horizontal, X K	Horizontal, Z K
Pole	Max. Vert	26	42.24	0.00	0.00
	Max. H _x	21	26.41	12.47	0.17
	Max. H _z	3	26.41	0.17	12.67
	Max. M _x	2	908.85	0.17	12.67
	Max. M _z	8	886.52	-12.47	-0.17
	Max. Torsion	8	0.96	-12.47	-0.17
	Min. Vert	25	26.41	6.38	11.06
	Min. H _x	9	26.41	-12.47	-0.17
	Min. H _z	15	26.41	-0.17	-12.67
	Min. M _x	14	-908.21	-0.17	-12.67
	Min. M _z	20	-887.63	12.47	0.17
	Min. Torsion	20	-0.96	12.47	0.17

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Tower Mast Reaction Summary

Load Combination	Vertical	Shear _x	Shear _y	Overturning Moment, M _x	Overturning Moment, M _y	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
Dead Only	29.34	0.00	0.00	-0.26	0.46	0.00
1.2 Dead+1.0 Wind 0 deg - No Ice	35.21	-0.17	-12.67	-908.85	19.37	-0.10
0.9 Dead+1.0 Wind 0 deg - No Ice	26.41	-0.17	-12.67	-906.75	19.18	-0.10
1.2 Dead+1.0 Wind 30 deg - No Ice	35.21	6.09	-10.89	-777.72	-426.69	-0.56
0.9 Dead+1.0 Wind 30 deg - No Ice	26.41	6.09	-10.89	-775.92	-425.89	-0.56
1.2 Dead+1.0 Wind 60 deg - No Ice	35.21	10.72	-6.19	-438.29	-758.27	-0.88
0.9 Dead+1.0 Wind 60 deg - No Ice	26.41	10.72	-6.19	-437.25	-756.73	-0.88
1.2 Dead+1.0 Wind 90 deg - No Ice	35.21	12.47	0.17	18.49	-886.52	-0.96
0.9 Dead+1.0 Wind 90 deg - No Ice	26.41	12.47	0.17	18.52	-884.70	-0.96
1.2 Dead+1.0 Wind 120 deg - No Ice	35.21	10.89	6.48	470.23	-777.08	-0.78
0.9 Dead+1.0 Wind 120 deg - No Ice	26.41	10.89	6.48	469.26	-775.50	-0.78
1.2 Dead+1.0 Wind 150 deg - No Ice	35.21	6.38	11.06	795.89	-459.27	-0.39
0.9 Dead+1.0 Wind 150 deg - No Ice	26.41	6.38	11.06	794.20	-458.39	-0.39
1.2 Dead+1.0 Wind 180 deg - No Ice	35.21	0.17	12.67	908.21	-18.26	0.10
0.9 Dead+1.0 Wind 180 deg - No Ice	26.41	0.17	12.67	906.27	-18.35	0.10
1.2 Dead+1.0 Wind 210 deg - No Ice	35.21	-6.09	10.89	777.08	427.80	0.56
0.9 Dead+1.0 Wind 210 deg - No Ice	26.41	-6.09	10.89	775.44	426.72	0.56
1.2 Dead+1.0 Wind 240 deg - No Ice	35.21	-10.72	6.19	437.65	759.38	0.88
0.9 Dead+1.0 Wind 240 deg - No Ice	26.41	-10.72	6.19	436.77	757.56	0.88
1.2 Dead+1.0 Wind 270 deg - No Ice	35.21	-12.47	-0.17	-19.13	887.63	0.96
0.9 Dead+1.0 Wind 270 deg - No Ice	26.41	-12.47	-0.17	-19.00	885.53	0.96
1.2 Dead+1.0 Wind 300 deg - No Ice	35.21	-10.89	-6.48	-470.87	778.19	0.78
0.9 Dead+1.0 Wind 300 deg - No Ice	26.41	-10.89	-6.48	-469.74	776.32	0.78
1.2 Dead+1.0 Wind 330 deg - No Ice	35.21	-6.38	-11.06	-796.53	460.38	0.39
0.9 Dead+1.0 Wind 330 deg - No Ice	26.41	-6.38	-11.06	-794.68	459.22	0.39
1.2 Dead+1.0 Ice+1.0 Temp	42.24	-0.00	-0.00	-0.54	0.93	0.00
1.2 Dead+1.0 Wind 0 deg+1.0 Ice+1.0 Temp	42.24	-0.02	-2.39	-162.85	3.31	-0.03
1.2 Dead+1.0 Wind 30 deg+1.0 Ice+1.0 Temp	42.24	1.16	-2.06	-139.92	-76.83	-0.09
1.2 Dead+1.0 Wind 60 deg+1.0 Ice+1.0 Temp	42.24	2.04	-1.18	-79.65	-136.13	-0.13
1.2 Dead+1.0 Wind 90 deg+1.0 Ice+1.0 Temp	42.24	2.36	0.02	1.81	-158.70	-0.13

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Load Combination	Vertical	Shear _x	Shear _z	Overturning Moment, M _x	Overturning Moment, M _z	Torque
	K	K	K	kip-ft	kip-ft	kip-ft
1.2 Dead+1.0 Wind 120 deg+1.0 Ice+1.0 Temp	42.24	2.06	1.21	82.65	-138.50	-0.10
1.2 Dead+1.0 Wind 150 deg+1.0 Ice+1.0 Temp	42.24	1.20	2.08	141.19	-80.92	-0.04
1.2 Dead+1.0 Wind 180 deg+1.0 Ice+1.0 Temp	42.24	0.02	2.39	161.75	-1.41	0.03
1.2 Dead+1.0 Wind 210 deg+1.0 Ice+1.0 Temp	42.24	-1.16	2.06	138.83	78.73	0.09
1.2 Dead+1.0 Wind 240 deg+1.0 Ice+1.0 Temp	42.24	-2.04	1.18	78.56	138.03	0.13
1.2 Dead+1.0 Wind 270 deg+1.0 Ice+1.0 Temp	42.24	-2.36	-0.02	-2.91	160.60	0.13
1.2 Dead+1.0 Wind 300 deg+1.0 Ice+1.0 Temp	42.24	-2.06	-1.21	-83.74	140.39	0.10
1.2 Dead+1.0 Wind 330 deg+1.0 Ice+1.0 Temp	42.24	-1.20	-2.08	-142.28	82.82	0.04
Dead+Wind 0 deg - Service	29.34	-0.04	-3.30	-236.91	5.36	-0.03
Dead+Wind 30 deg - Service	29.34	1.59	-2.84	-202.75	-110.82	-0.15
Dead+Wind 60 deg - Service	29.34	2.80	-1.61	-114.34	-197.19	-0.23
Dead+Wind 90 deg - Service	29.34	3.25	0.04	4.63	-230.59	-0.25
Dead+Wind 120 deg - Service	29.34	2.84	1.69	122.30	-202.09	-0.20
Dead+Wind 150 deg - Service	29.34	1.67	2.88	207.12	-119.31	-0.10
Dead+Wind 180 deg - Service	29.34	0.04	3.30	236.37	-4.44	0.03
Dead+Wind 210 deg - Service	29.34	-1.59	2.84	202.22	111.75	0.15
Dead+Wind 240 deg - Service	29.34	-2.80	1.61	113.81	198.11	0.23
Dead+Wind 270 deg - Service	29.34	-3.25	-0.04	-5.16	231.51	0.25
Dead+Wind 300 deg - Service	29.34	-2.84	-1.69	-122.83	203.01	0.20
Dead+Wind 330 deg - Service	29.34	-1.67	-2.88	-207.65	120.23	0.10

Solution Summary

Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
1	0.00	-29.34	0.00	0.00	29.34	0.00	0.000%
2	-0.17	-35.21	-12.67	0.17	35.21	12.67	0.001%
3	-0.17	-26.41	-12.67	0.17	26.41	12.67	0.001%
4	6.09	-35.21	-10.89	-6.09	35.21	10.89	0.001%
5	6.09	-26.41	-10.89	-6.09	26.41	10.89	0.001%
6	10.72	-35.21	-6.19	-10.72	35.21	6.19	0.001%
7	10.72	-26.41	-6.19	-10.72	26.41	6.19	0.001%
8	12.47	-35.21	0.17	-12.47	35.21	-0.17	0.001%
9	12.47	-26.41	0.17	-12.47	26.41	-0.17	0.001%
10	10.89	-35.21	6.48	-10.89	35.21	-6.48	0.001%
11	10.89	-26.41	6.48	-10.89	26.41	-6.48	0.001%
12	6.38	-35.21	11.06	-6.38	35.21	-11.06	0.001%
13	6.38	-26.41	11.06	-6.38	26.41	-11.06	0.001%
14	0.17	-35.21	12.67	-0.17	35.21	-12.67	0.001%
15	0.17	-26.41	12.67	-0.17	26.41	-12.67	0.001%
16	-6.09	-35.21	10.89	6.09	35.21	-10.89	0.001%
17	-6.09	-26.41	10.89	6.09	26.41	-10.89	0.001%
18	-10.72	-35.21	6.19	10.72	35.21	-6.19	0.001%
19	-10.72	-26.41	6.19	10.72	26.41	-6.19	0.001%
20	-12.47	-35.21	-0.17	12.47	35.21	0.17	0.001%
21	-12.47	-26.41	-0.17	12.47	26.41	0.17	0.001%
22	-10.89	-35.21	-6.48	10.89	35.21	6.48	0.001%
23	-10.89	-26.41	-6.48	10.89	26.41	6.48	0.001%
24	-6.38	-35.21	-11.06	6.38	35.21	11.06	0.001%

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Load Comb.	Sum of Applied Forces			Sum of Reactions			% Error
	PX K	PY K	PZ K	PX K	PY K	PZ K	
25	-6.38	-26.41	-11.06	6.38	26.41	11.06	0.001%
26	0.00	-42.24	0.00	0.00	42.24	0.00	0.000%
27	-0.02	-42.24	-2.39	0.02	42.24	2.39	0.000%
28	1.16	-42.24	-2.06	-1.16	42.24	2.06	0.000%
29	2.04	-42.24	-1.18	-2.04	42.24	1.18	0.000%
30	2.36	-42.24	0.02	-2.36	42.24	-0.02	0.000%
31	2.06	-42.24	1.21	-2.06	42.24	-1.21	0.000%
32	1.20	-42.24	2.08	-1.20	42.24	-2.08	0.000%
33	0.02	-42.24	2.39	-0.02	42.24	-2.39	0.000%
34	-1.16	-42.24	2.06	1.16	42.24	-2.06	0.000%
35	-2.04	-42.24	1.18	2.04	42.24	-1.18	0.000%
36	-2.36	-42.24	-0.02	2.36	42.24	0.02	0.000%
37	-2.06	-42.24	-1.21	2.06	42.24	1.21	0.000%
38	-1.20	-42.24	-2.08	1.20	42.24	2.08	0.000%
39	-0.04	-29.34	-3.31	0.04	29.34	3.30	0.002%
40	1.59	-29.34	-2.84	-1.59	29.34	2.84	0.002%
41	2.80	-29.34	-1.61	-2.80	29.34	1.61	0.002%
42	3.25	-29.34	0.04	-3.25	29.34	-0.04	0.002%
43	2.84	-29.34	1.69	-2.84	29.34	-1.69	0.002%
44	1.67	-29.34	2.88	-1.67	29.34	-2.88	0.002%
45	0.04	-29.34	3.31	-0.04	29.34	-3.30	0.002%
46	-1.59	-29.34	2.84	1.59	29.34	-2.84	0.002%
47	-2.80	-29.34	1.61	2.80	29.34	-1.61	0.002%
48	-3.25	-29.34	-0.04	3.25	29.34	0.04	0.002%
49	-2.84	-29.34	-1.69	2.84	29.34	1.69	0.002%
50	-1.67	-29.34	-2.88	1.67	29.34	2.88	0.002%

Non-Linear Convergence Results

Load Combination	Converged?	Number of Cycles	Displacement Tolerance	Force Tolerance
1	Yes	6	0.0000001	0.00000001
2	Yes	8	0.0000001	0.00006564
3	Yes	8	0.0000001	0.00006397
4	Yes	8	0.0000001	0.00005831
5	Yes	8	0.0000001	0.00005543
6	Yes	8	0.0000001	0.00009562
7	Yes	8	0.0000001	0.00009012
8	Yes	8	0.0000001	0.00008314
9	Yes	8	0.0000001	0.00007993
10	Yes	8	0.0000001	0.00006559
11	Yes	8	0.0000001	0.00006175
12	Yes	8	0.0000001	0.00008232
13	Yes	8	0.0000001	0.00007725
14	Yes	8	0.0000001	0.00006497
15	Yes	8	0.0000001	0.00006339
16	Yes	8	0.0000001	0.00008436
17	Yes	8	0.0000001	0.00007952
18	Yes	8	0.0000001	0.00006347
19	Yes	8	0.0000001	0.00006023
20	Yes	8	0.0000001	0.00008730
21	Yes	8	0.0000001	0.00008369
22	Yes	8	0.0000001	0.00009696
23	Yes	8	0.0000001	0.00009081
24	Yes	8	0.0000001	0.00006293
25	Yes	8	0.0000001	0.00005912

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26	Yes	6	0.00000001	0.00000001
27	Yes	8	0.00000001	0.00013714
28	Yes	8	0.00000001	0.00013367
29	Yes	8	0.00000001	0.00013133
30	Yes	8	0.00000001	0.00013182
31	Yes	8	0.00000001	0.00013463
32	Yes	8	0.00000001	0.00013621
33	Yes	8	0.00000001	0.00013521
34	Yes	8	0.00000001	0.00013362
35	Yes	8	0.00000001	0.00013320
36	Yes	8	0.00000001	0.00013510
37	Yes	8	0.00000001	0.00013841
38	Yes	8	0.00000001	0.00013949
39	Yes	7	0.00000001	0.00007518
40	Yes	7	0.00000001	0.00007216
41	Yes	7	0.00000001	0.00007139
42	Yes	7	0.00000001	0.00007321
43	Yes	7	0.00000001	0.00007391
44	Yes	7	0.00000001	0.00007487
45	Yes	7	0.00000001	0.00007484
46	Yes	7	0.00000001	0.00007230
47	Yes	7	0.00000001	0.00007148
48	Yes	7	0.00000001	0.00007383
49	Yes	7	0.00000001	0.00007478
50	Yes	7	0.00000001	0.00007527

Maximum Tower Deflections - Service Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	110 - 80	1.843	50	0.1316	0.0006
L2	86 - 46.08	1.202	50	0.1203	0.0004
L3	53 - 1	0.484	50	0.0813	0.0002

Critical Deflections and Radius of Curvature - Service Wind

Elevation ft	Appurtenance	Gov. Load Comb.	Deflection in	Tilt °	Twist °	Radius of Curvature ft
110.00	Low Profile Platform w/ Rails	50	1.843	0.1316	0.0006	406962

Maximum Tower Deflections - Design Wind

Section No.	Elevation ft	Horz. Deflection in	Gov. Load Comb.	Tilt °	Twist °
L1	110 - 80	7.058	24	0.5029	0.0024
L2	86 - 46.08	4.605	24	0.4608	0.0014
L3	53 - 1	1.853	24	0.3116	0.0006

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Critical Deflections and Radius of Curvature - Design Wind

Elevation	Appurtenance	Gov. Load Comb.	Deflection	Tilt	Twist	Radius of Curvature
ft			in	°	°	ft
110.00	Low Profile Platform w/ Rails	24	7.058	0.5029	0.0024	107581

Compression Checks

Pole Design Data

Section No.	Elevation	Size	L	L_u	KI/r	A	P_u	ϕP_n	Ratio $\frac{P_u}{\phi P_n}$
	ft		ft	ft		in^2	K	K	
L1	110 - 80 (1)	TP43.175x36.091x0.375	30.00	0.00	0.0	49.2564	-9.01	2881.50	0.003
L2	80 - 46.08 (2)	TP50.434x41.0082x0.375	39.92	0.00	0.0	57.6379	-17.49	3371.82	0.005
L3	46.08 - 1 (3)	TP60.33x48.0501x0.4375	52.00	0.00	0.0	83.1682	-35.21	4865.34	0.007

Pole Bending Design Data

Section No.	Elevation	Size	M_{ux}	ϕM_{nx}	Ratio $\frac{M_{ux}}{\phi M_{nx}}$	M_{uy}	ϕM_{ny}	Ratio $\frac{M_{uy}}{\phi M_{ny}}$
	ft		kip-ft	kip-ft	ϕM_{ux}	kip-ft	kip-ft	ϕM_{uy}
L1	110 - 80 (1)	TP43.175x36.091x0.375	120.65	2991.15	0.040	0.00	2991.15	0.000
L2	80 - 46.08 (2)	TP50.434x41.0082x0.375	362.45	3900.27	0.093	0.00	3900.27	0.000
L3	46.08 - 1 (3)	TP60.33x48.0501x0.4375	920.01	6815.37	0.135	0.00	6815.37	0.000

Pole Shear Design Data

Section No.	Elevation	Size	Actual V_u	ϕV_n	Ratio $\frac{V_u}{\phi V_n}$	Actual T_u	ϕT_n	Ratio $\frac{T_u}{\phi T_n}$
	ft		K	K	ϕV_n	kip-ft	kip-ft	ϕT_n
L1	110 - 80 (1)	TP43.175x36.091x0.375	5.96	864.45	0.007	0.39	3132.88	0.000
L2	80 - 46.08 (2)	TP50.434x41.0082x0.375	8.68	1011.55	0.009	0.39	4289.79	0.000
L3	46.08 - 1 (3)	TP60.33x48.0501x0.4375	12.77	1459.60	0.009	0.39	7655.73	0.000

Pole Interaction Design Data

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Section No.	Elevation ft	Ratio P_u ϕP_n	Ratio M_{ux} ϕM_{nx}	Ratio M_{uy} ϕM_{ny}	Ratio V_u ϕV_n	Ratio T_u ϕT_n	Comb. Stress Ratio	Allow. Stress Ratio	Criteria
L1	110 - 80 (1)	0.003	0.040	0.000	0.007	0.000	0.044	1.000	4.8.2 ✓
L2	80 - 46.08 (2)	0.005	0.093	0.000	0.009	0.000	0.098	1.000	4.8.2 ✓
L3	46.08 - 1 (3)	0.007	0.135	0.000	0.009	0.000	0.142	1.000	4.8.2 ✓

Section Capacity Table

Section No.	Elevation ft	Component Type	Size	Critical Element	P K	ϕP_{allow} K	% Capacity	Pass Fail	
L1	110 - 80	Pole	TP43.175x36.091x0.375	1	-9.01	2881.50	4.4	Pass	
L2	80 - 46.08	Pole	TP50.434x41.0082x0.375	2	-17.49	3371.82	9.8	Pass	
L3	46.08 - 1	Pole	TP60.33x48.0501x0.4375	3	-35.21	4865.34	14.2	Pass	
							Summary		
							Pole (L3)	14.2	Pass
							RATING =	14.2	Pass



Job:	Weston North CT
Project:	23CLVZ-0010
Client:	Verizon Wireless

Engineer:	TV
Date:	09/20/2023
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Circular Base Plate and Anchor Rod Analysis (TIA-H)

Analysis Reactions and Information

Moment:	920.01	ft-kips
Axial:	35.21	kips
Shear:	12.77	kips
Grout Considered:	N/A	
I _{ar} :	3	in
Eta Factor, η:	N/A	

Anchor Rod Information

Quantity:	18
Diameter:	2.25 in
Bolt Grade:	A615-75
F _y :	75 ksi
F _u :	100 ksi
Bolt Circle:	67.76 in

Tower Information

Diameter:	60.33	in
Thickness:	0.4375	in
Pole Grade:	A607-65	
F _y :	65	ksi
F _u :	80	ksi
# of Sides:	18-sided	

Base Plate Information

Diameter:	74.90	in
Thickness:	3.25	in
Plate Grade:	A572-50	
F _y :	50.00	ksi
F _u :	65.00	ksi

Capacity Results

Anchor Rod Results

P _{u_c} =	38.15	kips	φP _{n_c} =	243.75	kips
V _u =	0.71	kips	φV _n =	73.13	kips
M _u =	1.38	in-kips	φM _n =	94.7	in-kips

Anchor Rod Stress Ratio: 17.1%

Good

Base Plate Results

Base Plate Stress:	3.22	ksi
Allowable Plate Stress:	45	ksi
Base Plate Stress Ratio:	7.2%	

Good



Job:	Cornwall CT
Project:	23CLVZ-0010
Client:	Verizon Wireless

Engineer:	TV
Date:	09/20/2023
Sheet:	1 of 1

Monopole Pier and Pad Analysis Summary (TIA-H)

Analysis Reactions and Tower Information

Compression, P_{comp} :	35.2	kip
Shear, V_{comp} :	12.8	kip
Moment, M :	920.0	ft-kip
Uplift, P_{uplift} :	-	kip
Shear, V_{uplift} :	-	kip
Tower Height:	110	ft
BP Dist. Above Fdn, bp_{dist} :	3.00	in

Soil Properties

Total Soil Unit Weight, γ :	125	pcf
Ultimate Gross Bearing, Q_{ult} :	12.0	ksf
Cohesion, C_u :	0.00	ksf
Friction Angle, ϕ :	30	degrees
SPT Blow Count, N_{blows} :	0	
Base Friction, μ :	0.45	
Neglected Depth, N :	4.00	ft
Foundation Bearing on Rock?:	No	
Groundwater Depth, D_{gw} :	N/A	ft

Pad Properties

Depth, D :	7.5	ft
Pad Width, W_1 :	25.0	ft
Pad Width, W_2 :	25.0	ft
Pad Thickness, T :	2.5	ft
Pad Rebar Size, R_{spad} :	9	
Pad Rebar Quantity, R_{qpad} :	35	
Pad Clear Cover, cc_{pad} :	3.0	in

Pier Properties

Pier Shape:	Circular	
Pier Diameter, d_{pier} :	8.00	ft
Ext. Above Grade, E :	0.50	ft
Pier Rebar Size, R_{spier} :	11	
Pier Rebar Quantity, R_{qpier} :	44	
Pier Tie Size, T_{spier} :	5	
Pier Tie Quantity, T_{qpier} :	6	
Pier Clear Cover, cc_{pier} :	3.0	in

Material Properties

Rebar Strength, F_y :	60	ksi
Concrete Strength, f_c :	3	ksi
Dry Concrete Density, δ_c :	150	pcf

Foundation Analysis Results

Soil Capacity Results

	Capacity	Demand	Rating
Uplift (kips):	-	-	-
Lateral (Sliding) (kips):	321.80	12.77	3.8%
Bearing Pressure (ksf):	9.00	1.55	16.4%
Overturning (kip*ft):	6,708.44	1,025.36	15.3%

16.4%
Good

Structural Capacity Results

	Capacity	Demand	Rating
Pier Flexure (Comp.) (kip*ft):	11,856.61	0.00	8.0%
Pier Flexure (Tension) (kip*ft):	-	-	-
Pier Compression (kip):	23,994.73	84.97	0.3%
Pad Flexure (kip*ft):	3,769.83	343.30	8.7%
Pad Shear - 1-way (kips):	623.78	58.91	9.0%
Pad Shear - 2-way (ksi):	0.16	0.02	10.3%
Flexural 2-Way (Comp.) (ksi):	3,343.58	594.15	16.9%
Pad Shear - 2-way (Uplift) (ksi):	-	-	-
Flexural 2-Way (Tension) (ksi):	-	-	-

10.3%
Good



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Antenna Mount Analysis Report with Hardware Upgrades and PMI Requirements

Mount Analysis

SMART Tool Project #: 10207180
Colliers Engineering & Design CT, P.C. Project #: 23777163

August 4, 2023

Site Information

Site ID: 5000062326-VZW / CORNWALL CT
Site Name: CORNWALL CT
Carrier Name: Verizon Wireless
Address: 16 Bell Road Extension
Cornwall, Connecticut 06753
Litchfield County
Latitude: 41.84578194°
Longitude: -73.36429889°

Structure Information

Tower Type: 110-Ft Monopole
Mount Type: 12.50-Ft Platform

FUZE ID # 17123725

Analysis Results

Platform: **53.6% Pass w/ Hardware Upgrades***

*** 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: Andy Hanes



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: 616558071, dated May 6, 2021
Mount Mapping Report	Onsite Services, Site ID: 5000062326, dated July 29, 2023
Filter Add Scope	Provided by Verizon Wireless

Analysis Criteria:

Codes and Standards:	ANSI/TIA-222-H 2022 Connecticut State Building Code (CSBC), Effective October 1, 2022
Wind Parameters:	Basic Wind Speed (Ultimate 3-sec. Gust), V_{ULT} : 115 mph Ice Wind Speed (3-sec. Gust): 40 mph Design Ice Thickness: 1.00 in Risk Category: II Exposure Category: B Topographic Category: 1 Topographic Feature Considered: N/A Topographic Method: N/A Ground Elevation Factor, K_e : 0.964
Seismic Parameters:	S_s : 0.172 g S_1 : 0.054 g
Maintenance Parameters:	Wind Speed (3-sec. Gust): 30 mph Maintenance Load, L_v : 250 lbs. Maintenance Load, L_m : 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
106.75	110.00	3	Samsung	MT6407-77A	Retained
		6	Commscope	NHH-45C-R2B	
		3	Samsung	B2/B66A RRH-BR049	
		3	Samsung	B5/B13 RRH-BR04C	
		1	Raycap	RHSDC-6627-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 CT, P.C. and used in this analysis is current and correct. The existing equipment loading has been applied at locations determined from the supplied documentation. Any deviation from the loading locations specified in this report shall be communicated to Colliers Engineering & Design CT, P.C. to verify deviation will not adversely impact the analysis.
2. Mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.

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

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

3. For mount analyses completed from other data sources (including new replacement mounts) and not specifically mapped in accordance with the NSTD-446 Standard, the mounts are assumed to have been properly fabricated, installed and maintained in good condition, twist free and plumb in accordance with its original design and manufacturer's specifications.
4. All member connections are assumed to have been designed to meet or exceed the load carrying capacity of the connected member unless otherwise specified in this report.
5. The mount was checked up to, and including, the bolts that fasten it to the mount collar/attachment and threaded rod connections in collar members if applicable. Local deformation and interaction between the mount collar/attachment and the supporting tower structure are outside the scope of this analysis.

6. All services are performed, results obtained, and recommendations made in accordance with generally accepted engineering principles and practices. Colliers Engineering & Design CT, P.C. is not responsible for the conclusion, opinions, and recommendations made by others based on the information supplied.
7. Structural Steel Grades have been assumed as follows, if applicable, unless otherwise noted in this analysis:
 - o Channel, Solid Round, Angle, Plate ASTM A36 (Gr. 36)
 - o HSS (Rectangular) ASTM 500 (Gr. B-46)
 - o Pipe ASTM A53 (Gr. B-35)
 - o Threaded Rod F1554 (Gr. 36)
 - o Bolts ASTM A325

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

Analysis Results:

Component	Utilization %	Pass/Fail
Connection Check	11.9 %	Pass
Standoff Horizontal	15.7 %	Pass
Platform Crossmember	13.3 %	Pass
Corner Plate	26.0 %	Pass
Grating Support	12.7 %	Pass
Cross Arm Plate	45.1 %	Pass
Face Horizontal	14.5 %	Pass
Support Rail	40.9 %	Pass
Support Rail Corner Angle	53.6 %	Pass
Mount Pipe	29.3 %	Pass
OVP Pipe	16.8 %	Pass
Kicker	8.0 %	Pass

Structure Rating – (Controlling Utilization of all Components)	53.6%
---	--------------

* Results valid after hardware upgrades noted in the PMI Requirements are installed.

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	29.9	29.9	50.7	50.7
0.5	39.1	39.1	67.1	67.1
1	47.2	47.2	82.4	82.4

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 will be **SUFFICIENT** for the final loading configuration shown in attachment 2 upon the completion of the requirements listed below.

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

Contractor shall relocate the safety climb head assembly below the bottom VZW mount collar. Replace head assembly with Perfect Vision – PV-CMX-TA-BB-F, or EOR approved equivalent, and install on the same flat as the existing head assembly. Reroute and attach the existing safety climb wire rope to the proposed head assembly. Install safety climb wire rope guides as needed such that the wire rope does not contact any steel/coax cables.

Contractor shall replace and install hardware as needed to secure the safety climb wire rope at the base of the tower.

ANSI/ASSP rigging plan review services compliant with the requirements of ANSI/TIA 322 are available for a Construction Class IV site or other, if required. 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 #: 5000062326

SMART Project #: 10207180

Fuze Project ID: 17123725

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

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

Base Requirements:

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

Photo Requirements:

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

- These photos shall also certify that the placement and geometry of the equipment on the mount is as depicted in the antenna placement diagram in this form.
- Photos that show the model number of each antenna and piece of equipment installed per sector.

Antenna & equipment placement and Geometry Confirmation:

- The contractor shall certify that the antenna & equipment placement and geometry is in accordance with the sketch and table as included in the mount analysis and noted below.
 - The contractor certifies that the photos support and the equipment on the mount is as depicted on the sketch and table included in this form and with the mount analysis provided.

OR

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

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

Issue:

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

Contractor shall relocate the safety climb head assembly below the bottom VZW mount collar. Replace head assembly with Perfect Vision – PV-CMX-TA-BB-F, or EOR approved equivalent, and install on the same flat as the existing head assembly. Reroute and attach the existing safety climb wire rope to the proposed head assembly. Install safety climb wire rope guides as needed such that the wire rope does not contact any steel/coax cables.

Contractor shall replace and install hardware as needed to secure the safety climb wire rope at the base of the tower.

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:

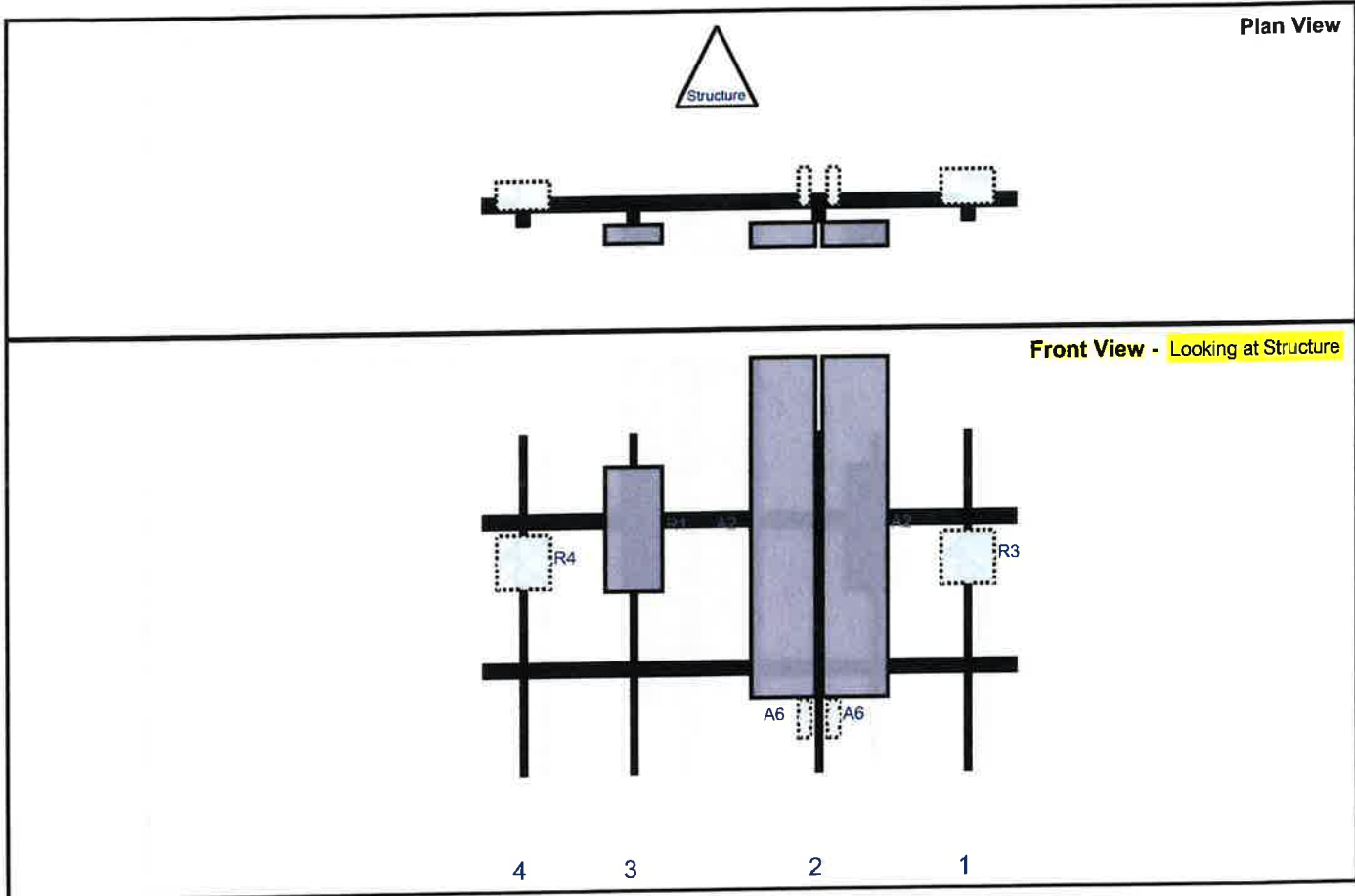
Company:	
Employee Name:	
Contact Phone:	
Email:	
Date:	

Sector: **A**
 Structure Type: Monopole
 Mount Elev: 106.75

10207180

8/3/2023

Page: 1



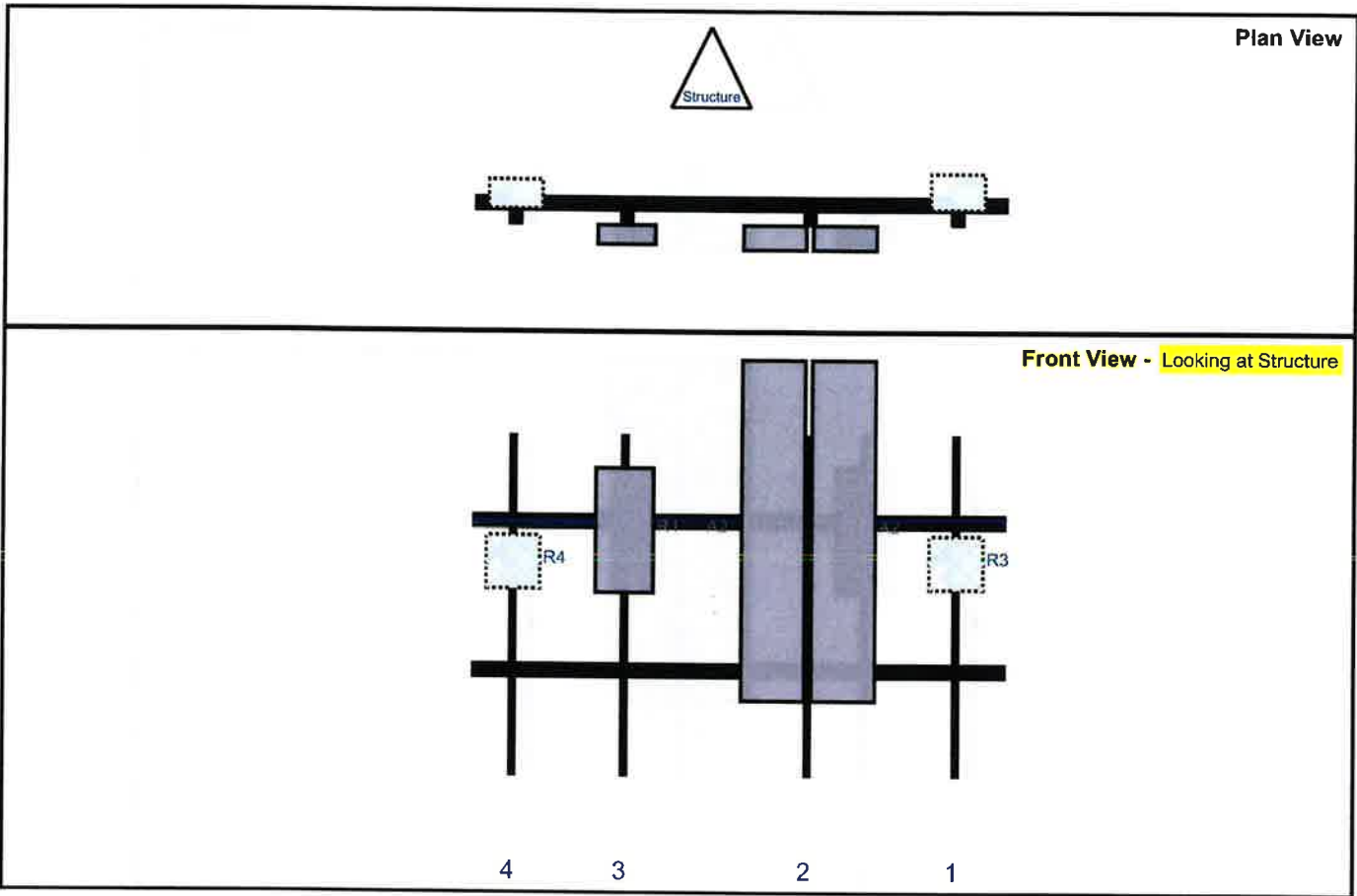
Ref#	Model	Height (in)	Width (in)	H Dist Frm L.	Pipe #	Pipe Pos V	Ant Pos	C. Ant Frm T.	Ant H Off	Status	Validation
R3	B2/B66A RRH-BR049	15	15	136	1	a	Behind	36	0	Retained	07/29/2023
A2	NHH-45C-R2B	95.9	18	94.5	2	a	Front	27	10	Retained	07/29/2023
A2	NHH-45C-R2B	95.9	18	94.5	2	b	Front	27	-10	Retained	07/29/2023
A6	KA-6030	10.6	3.2	94.5	2	a	Behind	81	4	Added	
A6	KA-6030	10.6	3.2	94.5	2	b	Behind	81	-4	Added	
R1	MT6407-77A	35.1	16.1	42.5	3	a	Front	27	0	Retained	07/29/2023
R4	B5/B13 RRH-BR04C	15	15	11.5	4	a	Behind	36	0	Retained	07/29/2023
OVP	RHSDC-6627-PF-48	29.5	16.5			Member				Retained	07/29/2023

Sector: **B**
 Structure Type: Monopole
 Mount Elev: 106.75

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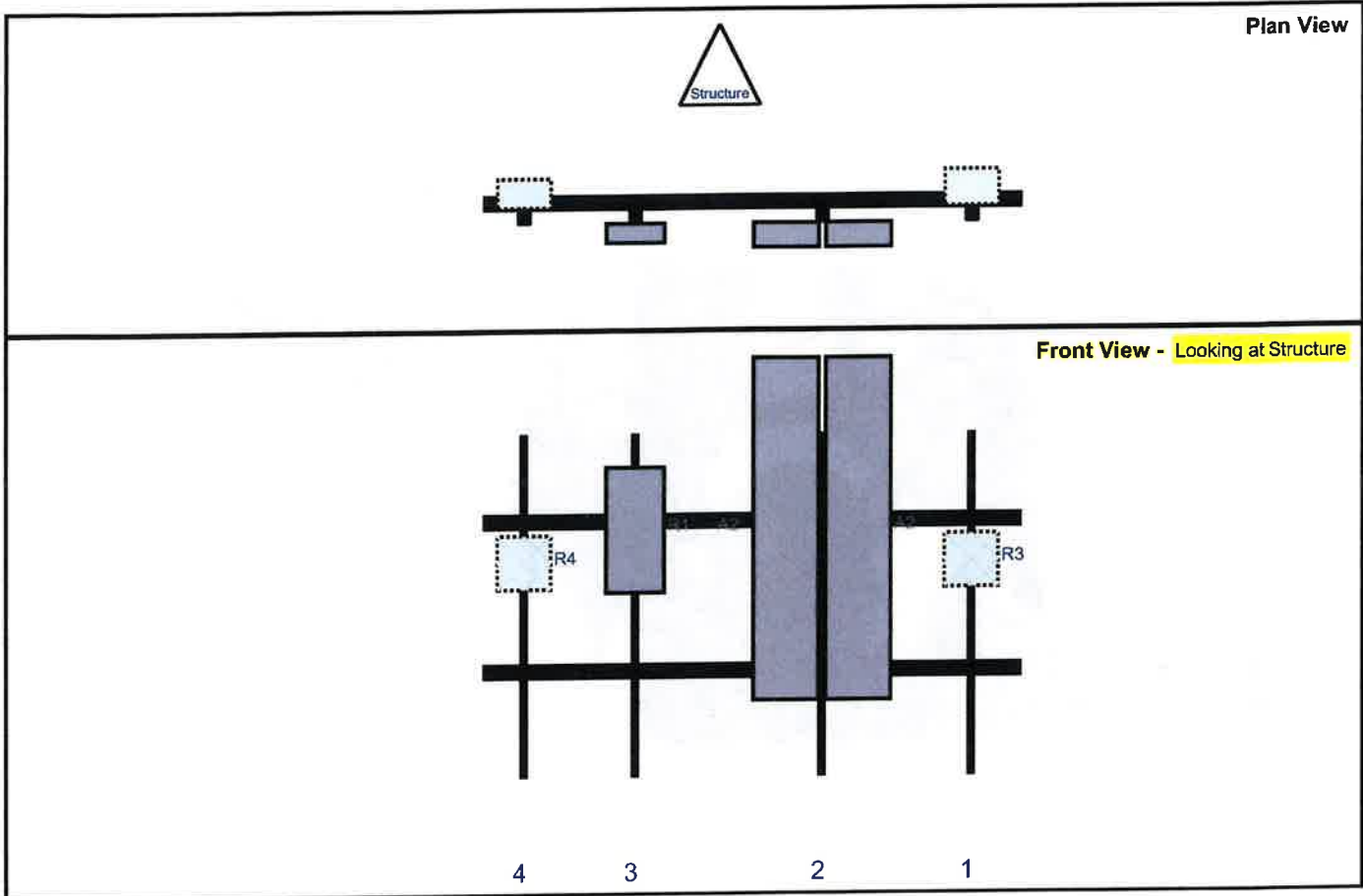
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R3	B2/B66A RRH-BR049	15	15	136	1	a	Behind	36	0	Retained	07/29/2023
A2	NHH-45C-R2B	95.9	18	94.5	2	a	Front	27	10	Retained	07/29/2023
A2	NHH-45C-R2B	95.9	18	94.5	2	b	Front	27	-10	Retained	07/29/2023
R1	MT6407-77A	35.1	16.1	42.5	3	a	Front	27	0	Retained	07/29/2023
R4	B5/B13 RRH-BR04C	15	15	11.5	4	a	Behind	36	0	Retained	07/29/2023

Sector: **C**
 Structure Type: Monopole
 Mount Elev: 106.75

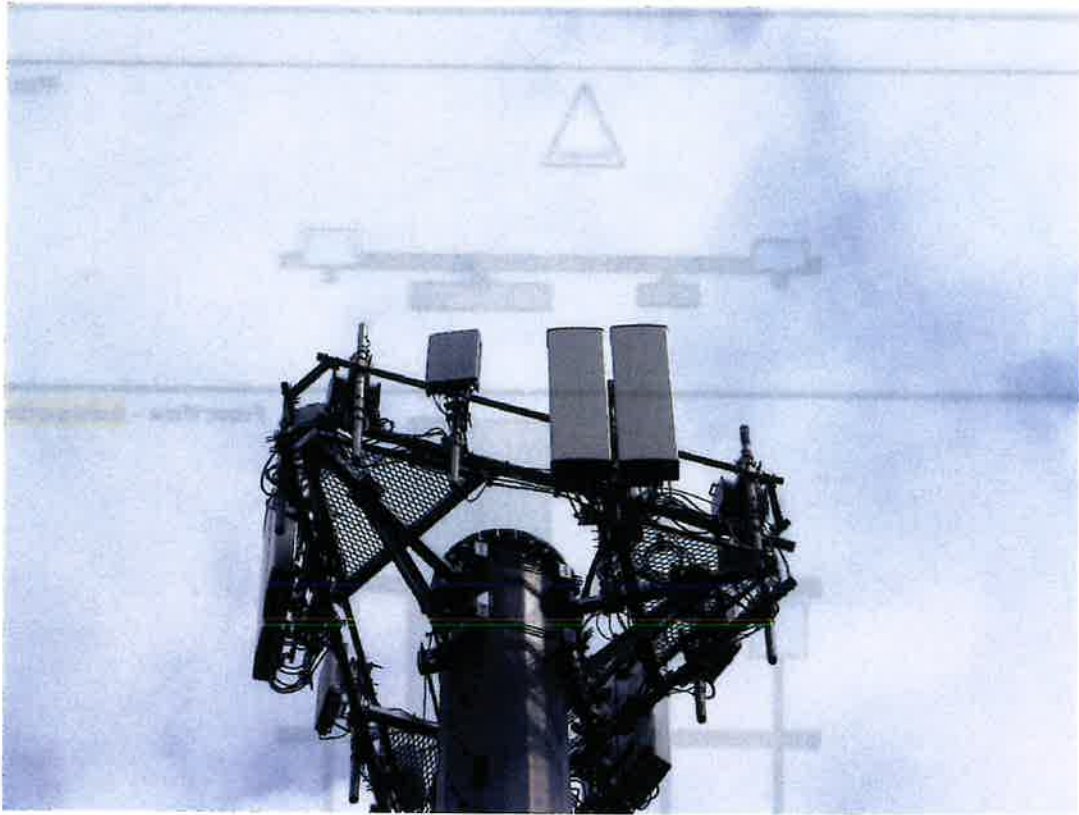
10207180

8/3/2023

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Reff#	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	B2/B66A RRH-BR049	15	15	136	1	a	Behind	36	0	Retained	07/29/2023
A2	NHH-45C-R2B	95.9	18	94.5	2	a	Front	27	10	Retained	07/29/2023
A2	NHH-45C-R2B	95.9	18	94.5	2	b	Front	27	-10	Retained	07/29/2023
R1	MT6407-77A	35.1	16.1	42.5	3	a	Front	27	0	Retained	07/29/2023
R4	B5/B13 RRH-BR04C	15	15	11.5	4	a	Behind	36	0	Retained	07/29/2023



Observed Safety and Structural Issues During the Mount Mapping		
Issue #	Description of Issue	Photo #
1	SAFETY CABLE MISSING BOTTOM ATTACHMENT	27-32
2		
3		
4		
5		
6		
7		
8		

Mapping Notes

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

Standard Conditions

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

SMART Tool[®]
Vendor

Antenna Mount Mapping Form (PATENT PENDING)

FCC #

Tower Owner:	BLUE SKY TOWERS LLC	Mapping Date:	7/29/2023
Site Name:	CORNWALL CT	Tower Type:	MONOPOLE
Site Number or ID:	5000062326	Tower Height (FL):	110
Mapping Contractor:	Onsite Services	Mount Elevation (FL):	109

This antenna mapping form is the property of TES and under **PATENT PENDING**. The formation contained herein is considered confidential in nature and is to be used only for the specific customer it was intended for. Reproduction, transmission, publication, modification or disclosure by any method is prohibited except by express written permission of TES. All means and methods are the responsibility of the contractor and the work shall be compliant with ANSI/ASSE A 10.48, OSHA, FCC, FAA and other safety requirements that may apply. TES is not warranting the usability of the safety climb as it must be assessed prior to each use in compliance with OSHA requirements.

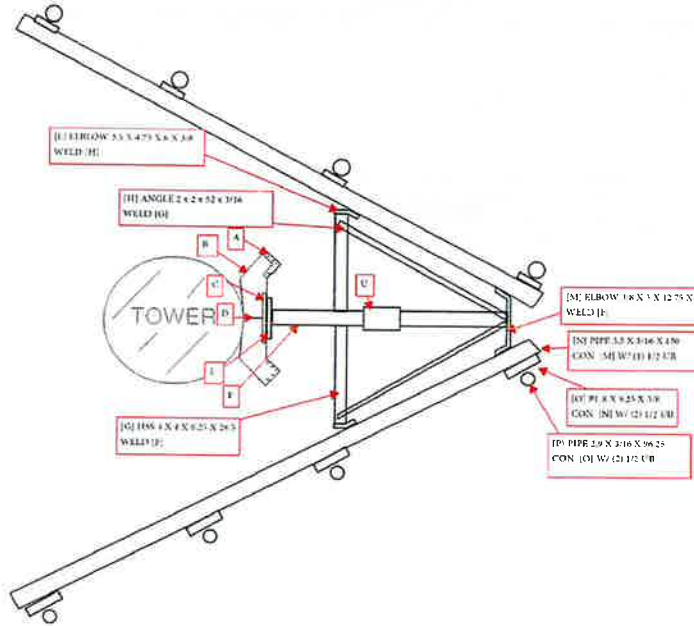
Please Insert Sketches of the Antenna Mount

Site :

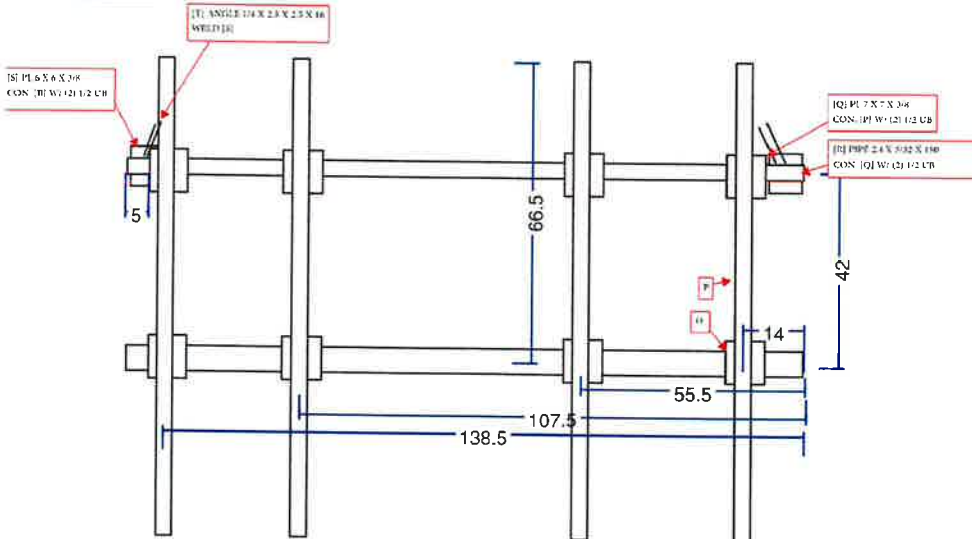
All measurements / offsets given in inches



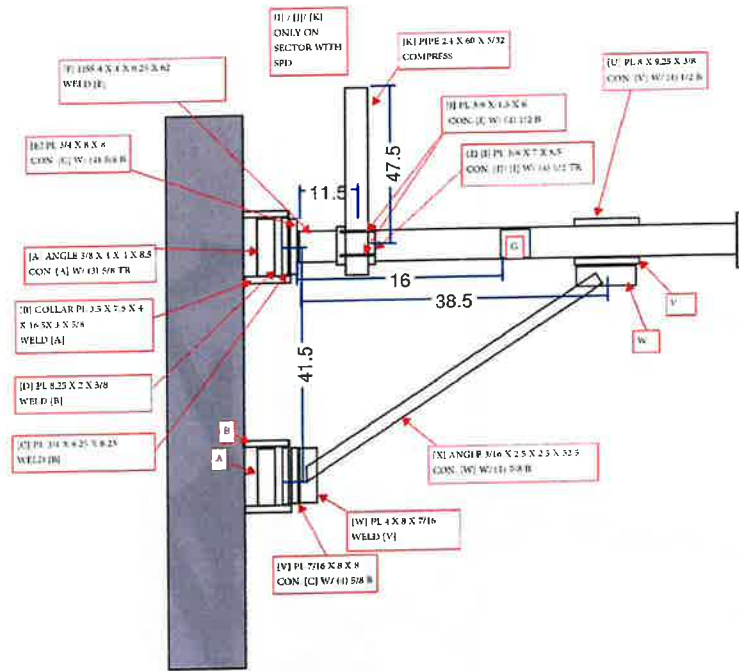
TOP VIEW



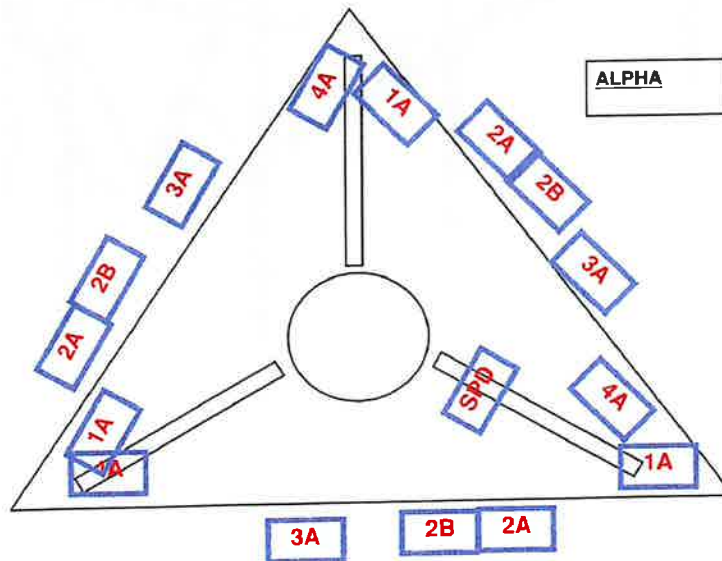
FRONT VIEW

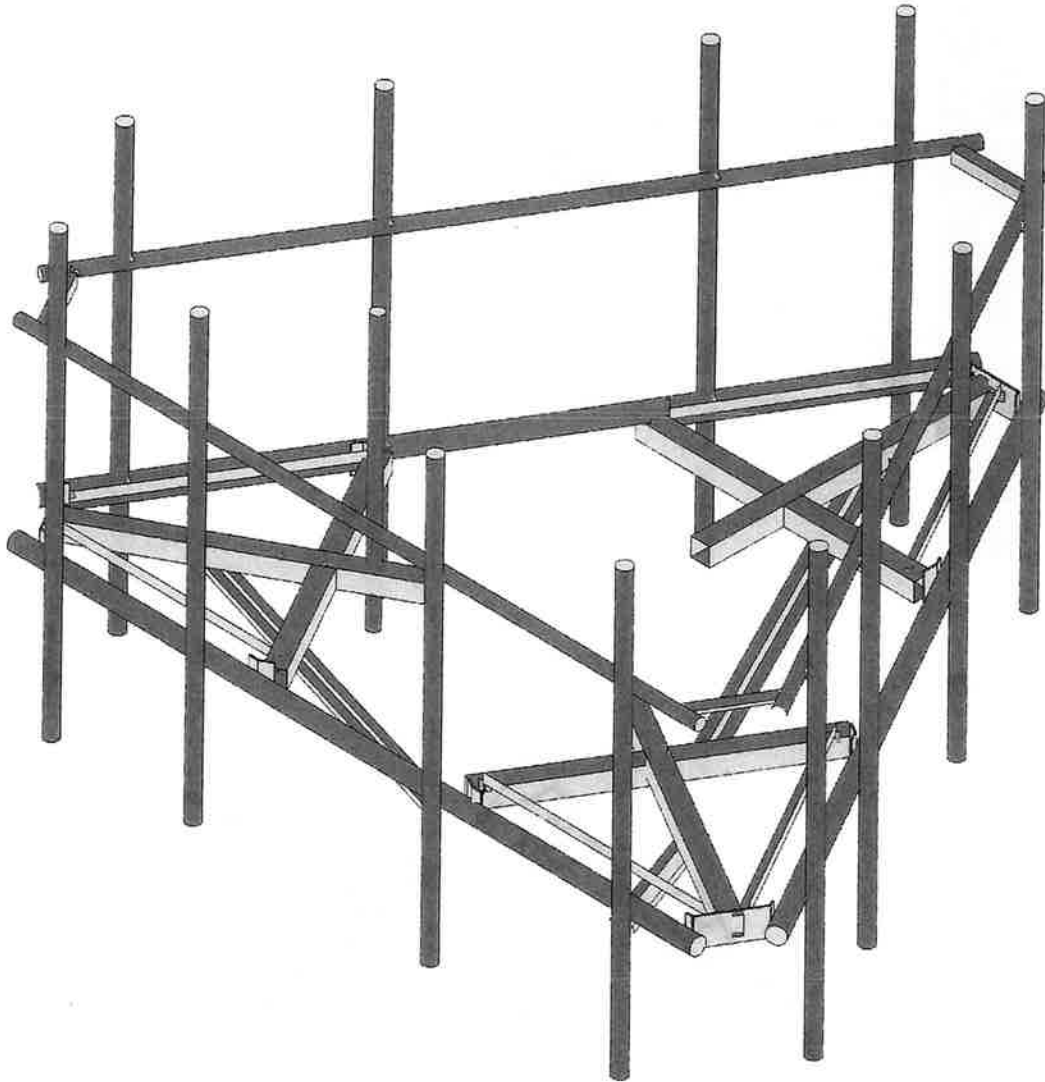
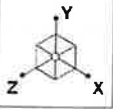


SIDE VIEW



AZIMUTH



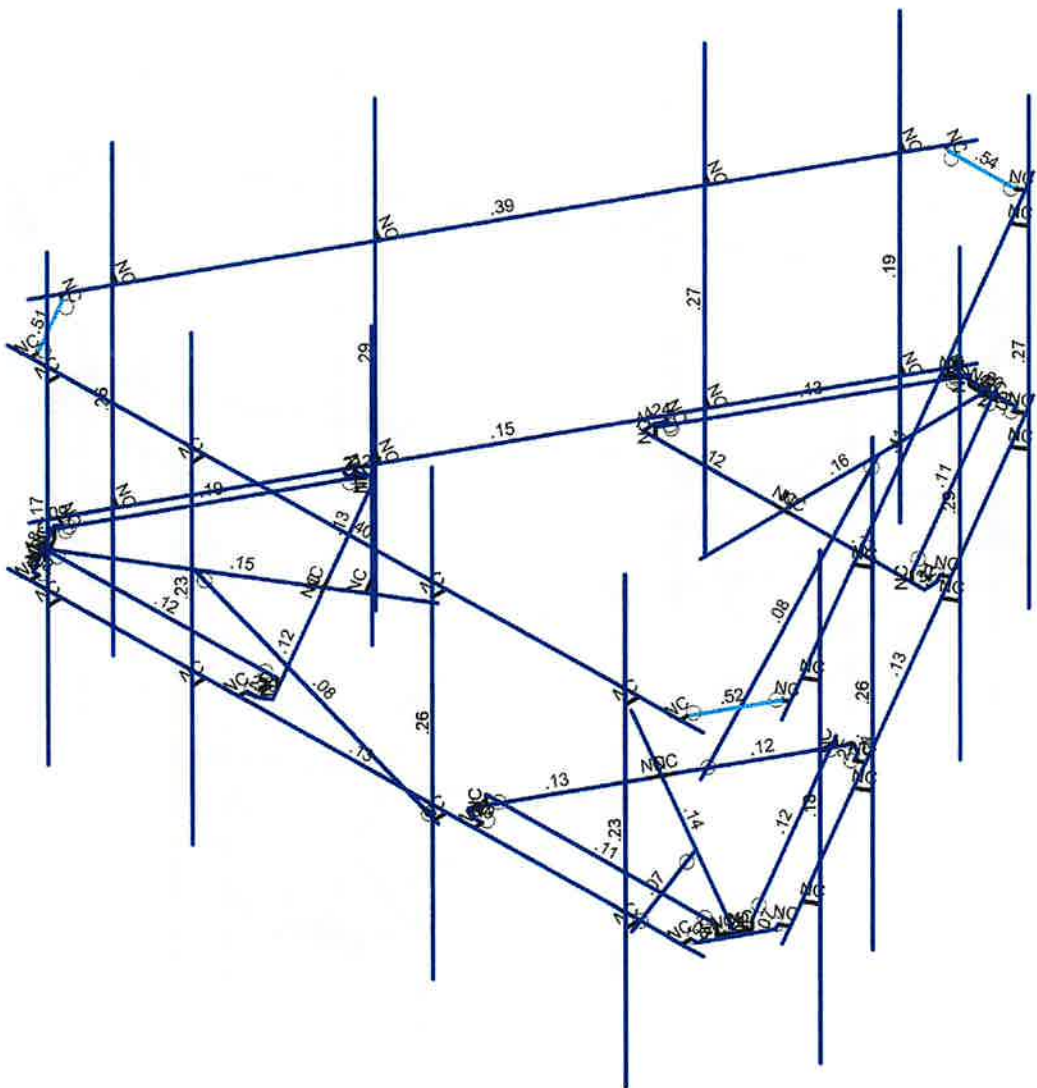
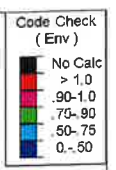
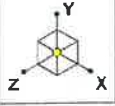


Envelope Only Solution

SK - 1

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5000062326-VZW_MT_LO_H.r3d



Member Code Checks Displayed (Enveloped)
Envelope Only Solution

	SK - 2
	Aug 3, 2023 at 1:50 PM
	5000062326-VZW_MT_LO_H.r3d



Company :
 Designer :
 Job Number :
 Model Name :

Aug 3, 2023
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 Checked By: _____

Basic Load Cases

	BLC Description	Category	X Gravity	Y Gravity	Z Gravity	Joint	Point	Distributed Area(Me...)	Surface(P...
1	Antenna D	None					87		
2	Antenna Di	None					87		
3	Antenna Wo (0 Deg)	None					87		
4	Antenna Wo (30 Deg)	None					87		
5	Antenna Wo (60 Deg)	None					87		
6	Antenna Wo (90 Deg)	None					87		
7	Antenna Wo (120 Deg)	None					87		
8	Antenna Wo (150 Deg)	None					87		
9	Antenna Wo (180 Deg)	None					87		
10	Antenna Wo (210 Deg)	None					87		
11	Antenna Wo (240 Deg)	None					87		
12	Antenna Wo (270 Deg)	None					87		
13	Antenna Wo (300 Deg)	None					87		
14	Antenna Wo (330 Deg)	None					87		
15	Antenna Wi (0 Deg)	None					87		
16	Antenna Wi (30 Deg)	None					87		
17	Antenna Wi (60 Deg)	None					87		
18	Antenna Wi (90 Deg)	None					87		
19	Antenna Wi (120 Deg)	None					87		
20	Antenna Wi (150 Deg)	None					87		
21	Antenna Wi (180 Deg)	None					87		
22	Antenna Wi (210 Deg)	None					87		
23	Antenna Wi (240 Deg)	None					87		
24	Antenna Wi (270 Deg)	None					87		
25	Antenna Wi (300 Deg)	None					87		
26	Antenna Wi (330 Deg)	None					87		
27	Antenna Wm (0 Deg)	None					87		
28	Antenna Wm (30 Deg)	None					87		
29	Antenna Wm (60 Deg)	None					87		
30	Antenna Wm (90 Deg)	None					87		
31	Antenna Wm (120 Deg)	None					87		
32	Antenna Wm (150 Deg)	None					87		
33	Antenna Wm (180 Deg)	None					87		
34	Antenna Wm (210 Deg)	None					87		
35	Antenna Wm (240 Deg)	None					87		
36	Antenna Wm (270 Deg)	None					87		
37	Antenna Wm (300 Deg)	None					87		
38	Antenna Wm (330 Deg)	None					87		
39	Structure D	None		-1					3
40	Structure Di	None						61	3
41	Structure Wo (0 Deg)	None						122	
42	Structure Wo (30 Deg)	None						122	
43	Structure Wo (60 Deg)	None						122	
44	Structure Wo (90 Deg)	None						122	
45	Structure Wo (120 D...	None						122	
46	Structure Wo (150 D...	None						122	
47	Structure Wo (180 D...	None						122	
48	Structure Wo (210 D...	None						122	
49	Structure Wo (240 D...	None						122	
50	Structure Wo (270 D...	None						122	
51	Structure Wo (300 D...	None						122	
52	Structure Wo (330 D...	None						122	
53	Structure Wi (0 Deg)	None						122	



Company :
 Designer :
 Job Number :
 Model Name :

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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						122
55 Structure Wi (60 Deg)	None						122
56 Structure Wi (90 Deg)	None						122
57 Structure Wi (120 De..	None						122
58 Structure Wi (150 De..	None						122
59 Structure Wi (180 De..	None						122
60 Structure Wi (210 De..	None						122
61 Structure Wi (240 De..	None						122
62 Structure Wi (270 De..	None						122
63 Structure Wi (300 De..	None						122
64 Structure Wi (330 De..	None						122
65 Structure Wm (0 Deg)	None						122
66 Structure Wm (30 De..	None						122
67 Structure Wm (60 De..	None						122
68 Structure Wm (90 De..	None						122
69 Structure Wm (120 D..	None						122
70 Structure Wm (150 D..	None						122
71 Structure Wm (180 D..	None						122
72 Structure Wm (210 D..	None						122
73 Structure Wm (240 D..	None						122
74 Structure Wm (270 D..	None						122
75 Structure Wm (300 D..	None						122
76 Structure Wm (330 D..	None						122
77 Lm1	None					1	
78 Lm2	None					1	
79 Lv1	None					1	
80 Lv2	None					1	
81 Antenna Ev	None					87	
82 Antenna Eh (0 Deg)	None					58	
83 Antenna Eh (90 Deg)	None					58	
84 Structure Ev	ELY		-021				
85 Structure Eh (0 Deg)	ELZ			-052			
86 Structure Eh (90 Deg)	ELX	.052					
87 BLC 39 Transient Are..	None						30
88 BLC 40 Transient Are..	None						30

Load Combinations

Description	Sol..P...	S...	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 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	15	1	53	1						
14 1.2D + 1.0Di + 1.0Wi (30 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	16	1	54	1						
15 1.2D + 1.0Di + 1.0Wi (60 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	17	1	55	1						
16 1.2D + 1.0Di + 1.0Wi (90 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	18	1	56	1						
17 1.2D + 1.0Di + 1.0Wi (120 Deg)	Yes	Y	1	1.2	39	1.2	2	1	40	1	19	1	57	1						



Company :
 Designer :
 Job Number :
 Model Name :

Aug 3, 2023
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 Checked By: _____

Load Combinations (Continued)

	Description	Sol.	P.	S.	B.	Fa.	B.	Fa.	B.	Fa.	B.	Fa.	B.	Fa.	B.	Fa.	B.	Fa.	B.	
18	1.2D + 1.0Di + 1.0Wi (150 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	20	1	58	1				
19	1.2D + 1.0Di + 1.0Wi (180 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	21	1	59	1				
20	1.2D + 1.0Di + 1.0Wi (210 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	22	1	60	1				
21	1.2D + 1.0Di + 1.0Wi (240 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	23	1	61	1				
22	1.2D + 1.0Di + 1.0Wi (270 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	24	1	62	1				
23	1.2D + 1.0Di + 1.0Wi (300 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	25	1	63	1				
24	1.2D + 1.0Di + 1.0Wi (330 Deg)	Yes	Y		1	1.2	39	1.2	2	1	40	1	26	1	64	1				
25	1.2D + 1.5Lm1 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	27	1	65	1						
26	1.2D + 1.5Lm1 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	28	1	66	1						
27	1.2D + 1.5Lm1 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	29	1	67	1						
28	1.2D + 1.5Lm1 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	77	1.5	30	1	68	1						
29	1.2D + 1.5Lm1 + 1.0Wm (120 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	31	1	69	1						
30	1.2D + 1.5Lm1 + 1.0Wm (150 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	32	1	70	1						
31	1.2D + 1.5Lm1 + 1.0Wm (180 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	33	1	71	1						
32	1.2D + 1.5Lm1 + 1.0Wm (210 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	34	1	72	1						
33	1.2D + 1.5Lm1 + 1.0Wm (240 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	35	1	73	1						
34	1.2D + 1.5Lm1 + 1.0Wm (270 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	36	1	74	1						
35	1.2D + 1.5Lm1 + 1.0Wm (300 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	37	1	75	1						
36	1.2D + 1.5Lm1 + 1.0Wm (330 D..)	Yes	Y		1	1.2	39	1.2	77	1.5	38	1	76	1						
37	1.2D + 1.5Lm2 + 1.0Wm (0 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	27	1	65	1						
38	1.2D + 1.5Lm2 + 1.0Wm (30 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	28	1	66	1						
39	1.2D + 1.5Lm2 + 1.0Wm (60 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	29	1	67	1						
40	1.2D + 1.5Lm2 + 1.0Wm (90 Deg)	Yes	Y		1	1.2	39	1.2	78	1.5	30	1	68	1						
41	1.2D + 1.5Lm2 + 1.0Wm (120 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	31	1	69	1						
42	1.2D + 1.5Lm2 + 1.0Wm (150 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	32	1	70	1						
43	1.2D + 1.5Lm2 + 1.0Wm (180 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	33	1	71	1						
44	1.2D + 1.5Lm2 + 1.0Wm (210 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	34	1	72	1						
45	1.2D + 1.5Lm2 + 1.0Wm (240 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	35	1	73	1						
46	1.2D + 1.5Lm2 + 1.0Wm (270 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	36	1	74	1						
47	1.2D + 1.5Lm2 + 1.0Wm (300 D..)	Yes	Y		1	1.2	39	1.2	78	1.5	37	1	75	1						
48	1.2D + 1.5Lm2 + 1.0Wm (330 D..)	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 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	1	83	E...	1	E...		
53	1.2D + 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82.866	83.5	E...	.866	E...	.5		
54	1.2D + 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82.5	83.866	E...	.5	E...	.866		
55	1.2D + 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	83	1	E...	E...	1		
56	1.2D + 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82-.5	83.866	E...	-.5	E...	.866		
57	1.2D + 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82-.8...	83.5	E...	-.8...	E...	.5		
58	1.2D + 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82-1	83	E...	-1	E...			
59	1.2D + 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82-.8...	83-.5	E...	-.8...	E...	-.5		
60	1.2D + 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82-.5	83-.8...	E...	-.5	E...	-.8...		
61	1.2D + 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82	83	-1	E...	E...	-1		
62	1.2D + 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82.5	83-.8...	E...	.5	E...	-.8...		
63	1.2D + 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	1.2	39	1.2	81	1	E...	1	82.866	83-.5	E...	.866	E...	-.5		
64	0.9D - 1.0Ev + 1.0Eh (0 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	1	83	E...	1	E...		
65	0.9D - 1.0Ev + 1.0Eh (30 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82.866	83.5	E...	.866	E...	.5		
66	0.9D - 1.0Ev + 1.0Eh (60 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82.5	83.866	E...	.5	E...	.866		
67	0.9D - 1.0Ev + 1.0Eh (90 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	83	1	E...	E...	1		
68	0.9D - 1.0Ev + 1.0Eh (120 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82-.5	83.866	E...	-.5	E...	.866		
69	0.9D - 1.0Ev + 1.0Eh (150 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82-.8...	83.5	E...	-.8...	E...	.5		
70	0.9D - 1.0Ev + 1.0Eh (180 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82-1	83	E...	-1	E...			
71	0.9D - 1.0Ev + 1.0Eh (210 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82-.8...	83-.5	E...	-.8...	E...	-.5		
72	0.9D - 1.0Ev + 1.0Eh (240 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82-.5	83-.8...	E...	-.5	E...	-.8...		
73	0.9D - 1.0Ev + 1.0Eh (270 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82	83	-1	E...	E...	-1		
74	0.9D - 1.0Ev + 1.0Eh (300 Deg)	Yes	Y		1	.9	39	.9	81	-1	E...	-1	82.5	83-.8...	E...	.5	E...	-.8...		



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Load Combinations (Continued)

	Description	Sol.	P	S	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	B	Fa	
75	0.9D - 1.0Ev + 1.0Eh (330 Deg)	Yes	Y		1	.9	39	.9	81	-1	E	-1	82	.866	83	-.5	E	.866	E	-.5			

Joint Coordinates and Temperatures

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
1	N7	0	0	16.666667	0	
2	N30	-0.	0	14.666667	0	
3	N31	-2.541667	0	13.166667	0	
4	N32	2.315104	0.166667	13.166667	0	
5	N33	-2.315104	0.166667	13.166667	0	
6	N34	-0.	0	13.166667	0	
7	N35	-0.	0	9.479167	0	
8	N36	2.315104	0	13.166667	0	
9	N37	-2.315104	0	13.166667	0	
10	N38	2.541667	0	13.166667	0	
11	N39	-0.166667	0	13.166667	0	
12	N40	0.166667	0	13.166667	0	
13	N41	-2.541667	0	12.947917	0	
14	N42	2.541667	0	12.947917	0	
15	N43	2.458333	0	12.803579	0	
16	N44	0.571615	0	9.576143	0	
17	N45	-2.458333	0	12.803579	0	
18	N46	-0.571615	0	9.576143	0	
19	N47	2.584629	0	12.730662	0	
20	N48	-2.584629	0	12.730662	0	
21	N49	-0.515625	0	9.479167	0	
22	N50	0.515625	0	9.479167	0	
23	N51	0.715429	0	9.493112	0	
24	N52	-0.715429	0	9.493112	0	
25	N53	-0.	0	9.5625	0	
26	N54	0.234238	0.166667	9.5625	0	
27	N55	0.234238	0	9.5625	0	
28	N56	-0.234238	0.166667	9.5625	0	
29	N57	-0.234238	0	9.5625	0	
30	N31A	-1.732051	0	17.666667	0	
31	N32A	-1.760256	0	20.617815	0	
32	N33A	-4.188641	0.166667	16.411728	0	
33	N34A	-1.873537	0.166667	20.421606	0	
34	N35A	-3.031089	0	18.416667	0	
35	N36A	-6.224558	0	20.260417	0	
36	N37A	-4.188641	0	16.411728	0	
37	N38A	-1.873537	0	20.421606	0	
38	N39A	-4.301922	0	16.215519	0	
39	N40A	-2.947756	0	18.561004	0	
40	N41A	-3.114422	0	18.272329	0	
41	N42A	-1.949699	0	20.72719	0	
42	N43A	-4.491365	0	16.324894	0	
43	N44A	-4.574699	0	16.469231	0	
44	N45A	-6.426381	0	19.716896	0	
45	N46A	-2.116365	0	20.72719	0	
46	N47A	-5.854766	0	20.706961	0	
47	N48A	-4.700994	0	16.396315	0	
48	N49A	-2.116365	0	20.873023	0	
49	N50A	-5.966745	0	20.706961	0	
50	N51A	-6.48237	0	19.813872	0	
51	N52A	-6.570195	0	19.633864	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X (ft)	Y (ft)	Z (ft)	Temp (F)	Detach From Diap...
52	N53A	-5.854766	0	20.873023	0	
53	N54A	-6.152389	0	20.21875	0	
54	N55A	-6.269508	0.166667	20.015894	0	
55	N56A	-6.269508	0	20.015894	0	
56	N57A	-6.03527	0.166667	20.421606	0	
57	N58	-6.03527	0	20.421606	0	
58	N60	1.732051	0	17.666667	0	
59	N61	4.301922	0	16.215519	0	
60	N62	1.873537	0.166667	20.421606	0	
61	N63	4.188641	0.166667	16.411728	0	
62	N64	3.031089	0	18.416667	0	
63	N65	6.224558	0	20.260417	0	
64	N66	1.873537	0	20.421606	0	
65	N67	4.188641	0	16.411728	0	
66	N68	1.760256	0	20.617815	0	
67	N69	3.114422	0	18.272329	0	
68	N70	2.947756	0	18.561004	0	
69	N71	4.491365	0	16.324894	0	
70	N72	1.949699	0	20.72719	0	
71	N73	2.116365	0	20.72719	0	
72	N74	5.854766	0	20.706961	0	
73	N75	4.574699	0	16.469231	0	
74	N76	6.426381	0	19.716896	0	
75	N77	2.116365	0	20.873023	0	
76	N78	4.700994	0	16.396314	0	
77	N79	6.48237	0	19.813872	0	
78	N80	5.966745	0	20.706961	0	
79	N81	5.854766	0	20.873023	0	
80	N82	6.570195	0	19.633864	0	
81	N83	6.152389	0	20.21875	0	
82	N84	6.03527	0.166667	20.421606	0	
83	N85	6.03527	0	20.421606	0	
84	N86	6.269508	0.166667	20.015894	0	
85	N87	6.269508	0	20.015894	0	
86	N86A	0.	0	20.873023	0	
87	N87A	-6.25	0	20.873023	0	
88	N88	6.25	0	20.873023	0	
89	N90	6.767812	0	19.976147	0	
90	N91	0.517812	0	9.15083	0	
91	N93	-0.517812	0	9.15083	0	
92	N94	-6.767812	0	19.976147	0	
93	N93A	-6.25	3.5	20.873023	0	
94	N94A	6.25	3.5	20.873023	0	
95	N95	6.767812	3.5	19.976147	0	
96	N96	0.517812	3.5	9.15083	0	
97	N97	-0.517812	3.5	9.15083	0	
98	N98	-6.767812	3.5	19.976147	0	
99	N99	-5.833333	3.5	20.873023	0	
100	N100	5.833333	3.5	20.873023	0	
101	N101	-5.833333	3.5	20.748023	0	
102	N102	5.833333	3.5	20.748023	0	
103	N104	6.559478	3.5	19.615303	0	
104	N105	0.726145	3.5	9.511674	0	
105	N106	6.451225	3.5	19.677803	0	
106	N107	0.617892	3.5	9.574174	0	
107	N109	-0.726145	3.5	9.511674	0	
108	N110	-6.559478	3.5	19.615303	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
109	N111	-0.617892	3.5	9.574174	0	
110	N112	-6.451225	3.5	19.677803	0	
111	N111A	5.083333	0	20.873023	0	
112	N112A	5.083333	3.5	20.873023	0	
113	N113	5.083333	0	21.123023	0	
114	N114	5.083333	3.5	21.123023	0	
115	N115	5.083333	5.541667	21.123023	0	
116	N116	5.083333	-2.479167	21.123023	0	
117	N117	1.625	0	20.873023	0	
118	N118	1.625	3.5	20.873023	0	
119	N119	1.625	0	21.123023	0	
120	N120	1.625	3.5	21.123023	0	
121	N121	1.625	5.541667	21.123023	0	
122	N122	1.625	-2.479167	21.123023	0	
123	N123	-2.708333	0	20.873023	0	
124	N124	-2.708333	3.5	20.873023	0	
125	N125	-2.708333	0	21.123023	0	
126	N126	-2.708333	3.5	21.123023	0	
127	N127	-2.708333	5.541667	21.123023	0	
128	N128	-2.708333	-2.479167	21.123023	0	
129	N129	-5.291667	0	20.873023	0	
130	N130	-5.291667	3.5	20.873023	0	
131	N131	-5.291667	0	21.123023	0	
132	N132	-5.291667	3.5	21.123023	0	
133	N133	-5.291667	5.541667	21.123023	0	
134	N134	-5.291667	-2.479167	21.123023	0	
135	N136	1.101145	0	10.161193	0	
136	N137	1.101145	3.5	10.161193	0	
137	N138	1.317651	0	10.036193	0	
138	N139	1.317651	3.5	10.036193	0	
139	N140	1.317651	5.541667	10.036193	0	
140	N141	1.317651	-2.479167	10.036193	0	
141	N142	2.830312	0	13.156197	0	
142	N143	2.830312	3.5	13.156197	0	
143	N144	3.046818	0	13.031197	0	
144	N145	3.046818	3.5	13.031197	0	
145	N146	3.046818	5.541667	13.031197	0	
146	N147	3.046818	-2.479167	13.031197	0	
147	N148	4.996978	0	16.908974	0	
148	N149	4.996978	3.5	16.908974	0	
149	N150	5.213485	0	16.783974	0	
150	N151	5.213485	3.5	16.783974	0	
151	N152	5.213485	5.541667	16.783974	0	
152	N153	5.213485	-2.479167	16.783974	0	
153	N154	6.288645	0	19.146206	0	
154	N155	6.288645	3.5	19.146206	0	
155	N156	6.505151	0	19.021206	0	
156	N157	6.505151	3.5	19.021206	0	
157	N158	6.505151	5.541667	19.021206	0	
158	N159	6.505151	-2.479167	19.021206	0	
159	N161	-6.184478	0	18.965784	0	
160	N162	-6.184478	3.5	18.965784	0	
161	N163	-6.400985	0	18.840784	0	
162	N164	-6.400985	3.5	18.840784	0	
163	N165	-6.400985	5.541667	18.840784	0	
164	N166	-6.400985	-2.479167	18.840784	0	
165	N167	-4.455312	0	15.97078	0	



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Joint Coordinates and Temperatures (Continued)

	Label	X [ft]	Y [ft]	Z [ft]	Temp [F]	Detach From Diap...
166	N168	-4.455312	3.5	15.97078	0	
167	N169	-4.671818	0	15.84578	0	
168	N170	-4.671818	3.5	15.84578	0	
169	N171	-4.671818	5.541667	15.84578	0	
170	N172	-4.671818	-2.479167	15.84578	0	
171	N173	-2.288645	0	12.218003	0	
172	N174	-2.288645	3.5	12.218003	0	
173	N175	-2.505151	0	12.093003	0	
174	N176	-2.505151	3.5	12.093003	0	
175	N177	-2.505151	5.541667	12.093003	0	
176	N178	-2.505151	-2.479167	12.093003	0	
177	N179	-0.996978	0	9.980771	0	
178	N180	-0.996978	3.5	9.980771	0	
179	N181	-1.213485	0	9.855771	0	
180	N182	-1.213485	3.5	9.855771	0	
181	N183	-1.213485	5.541667	9.855771	0	
182	N184	-1.213485	-2.479167	9.855771	0	
183	N183A	-2.561992	0	18.145833	0	
184	N184A	-2.728658	0	17.857158	0	
185	N185	-2.728658	3.958333	17.857158	0	
186	N186	-2.728658	-1.041667	17.857158	0	
187	N187	-0.	-3.458333	14.666667	0	
188	N188	-0.	0	11.458333	0	
189	N190	-1.732051	-3.458333	17.666667	0	
190	N191	-4.510549	0	19.270833	0	
191	N193	1.732051	-3.458333	17.666667	0	
192	N194	4.510549	0	19.270833	0	

Hot Rolled Steel Section Sets

	Label	Shape	Type	Design List	Material	Design R...	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	Corner Plate	PL3/8x6	Beam	BAR	A36 Gr.36	Typical	2.25	.026	6.75	.101
4	Platform Crossmem...	HSS4X4X4	Beam	SquareTube	A500 Gr.B Rect	Typical	3.37	7.8	7.8	12.8
5	Grating Support	L2x2x3	Beam	Single Angle	A36 Gr.36	Typical	.722	.271	.271	.009
6	Mount Pipe	PIPE 2.5	Column	Pipe	A53 Gr.B	Typical	1.61	1.45	1.45	2.89
7	Cross Arm Plate	PL3/8x6	Beam	RECT	A36 Gr.36	Typical	2.25	.026	6.75	.101
8	Support Rail	PIPE 2.0	Beam	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
9	Support Rail Corner...	L2.5x2.5x4	Beam	Single Angle	A36 Gr.36	Typical	1.19	.692	.692	.026
10	OVP Pipe	PIPE 2.0	Column	Pipe	A53 Gr.B	Typical	1.02	.627	.627	1.25
11	Kicker	LL2.5x2.5x3x6	Column	Double Angle (3/...	A36 Gr.36	Typical	1.8	3.09	1.07	.023
12	TES Kicker	LL2.5x2.5x3x6	Column	Double Angle (3/...	A36 Gr.36	Typical	1.8	3.09	1.07	.023

Hot Rolled Steel Properties

	Label	E [ksi]	G [ksi]	Nu	Therm (/1...	Density[k/ft^3]	Yield[ksi]	Ry	Fu[ksi]	Rt
1	A992	29000	11154	.3	.65	.49	50	1.1	65	1.1
2	A36 Gr.36	29000	11154	.3	.65	.49	36	1.5	58	1.2
3	A572 Gr.50	29000	11154	.3	.65	.49	50	1.1	65	1.1
4	A500 Gr.B RND	29000	11154	.3	.65	.527	42	1.4	58	1.3
5	A500 Gr.B Rect	29000	11154	.3	.65	.527	46	1.4	58	1.3
6	A53 Gr.B	29000	11154	.3	.65	.49	35	1.6	60	1.2
7	A1085	29000	11154	.3	.65	.49	50	1.4	65	1.3
8	Q235	29000	11154	.3	.65	.49	35	1.5	58	1.2

Member Primary Data

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
1	M25	N30	N35			Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
2	M26	N38	N40			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
3	M27	N39	N31			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
4	M28	N49	N50			Corner Plate	Beam	BAR	A36 Gr.36	Typical
5	M29	N33	N37		240	RIGID	None	None	RIGID	Typical
6	M30	N32	N36		240	RIGID	None	None	RIGID	Typical
7	M31	N54	N32			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
8	M32	N33	N56			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
9	M33	N56	N57		240	RIGID	None	None	RIGID	Typical
10	M34	N39	N34			RIGID	None	None	RIGID	Typical
11	M35	N34	N40			RIGID	None	None	RIGID	Typical
12	M36	N38	N42			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
13	M37	N42	N43			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
14	M38	N43	N47			RIGID	None	None	RIGID	Typical
15	M39	N50	N44			Corner Plate	Beam	BAR	A36 Gr.36	Typical
16	M40	N44	N51			RIGID	None	None	RIGID	Typical
17	M41	N31	N41			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
18	M42	N41	N45			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
19	M43	N45	N48			RIGID	None	None	RIGID	Typical
20	M44	N49	N46			Corner Plate	Beam	BAR	A36 Gr.36	Typical
21	M45	N46	N52			RIGID	None	None	RIGID	Typical
22	M46	N57	N53			RIGID	None	None	RIGID	Typical
23	M47	N53	N55			RIGID	None	None	RIGID	Typical
24	M48	N54	N55		240	RIGID	None	None	RIGID	Typical
25	M25A	N31A	N36A			Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
26	M26A	N39A	N41A			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
27	M27A	N40A	N32A			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
28	M28A	N50A	N51A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
29	M29A	N34A	N38A		240	RIGID	None	None	RIGID	Typical
30	M30A	N33A	N37A		240	RIGID	None	None	RIGID	Typical
31	M31A	N55A	N33A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
32	M32A	N34A	N57A			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
33	M33A	N57A	N58		240	RIGID	None	None	RIGID	Typical
34	M34A	N40A	N35A			RIGID	None	None	RIGID	Typical
35	M35A	N35A	N41A			RIGID	None	None	RIGID	Typical
36	M36A	N39A	N43A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
37	M37A	N43A	N44A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
38	M38A	N44A	N48A			RIGID	None	None	RIGID	Typical
39	M39A	N51A	N45A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
40	M40A	N45A	N52A			RIGID	None	None	RIGID	Typical
41	M41A	N32A	N42A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
42	M42A	N42A	N46A			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
43	M43A	N46A	N49A			RIGID	None	None	RIGID	Typical
44	M44A	N50A	N47A			Corner Plate	Beam	BAR	A36 Gr.36	Typical
45	M45A	N47A	N53A			RIGID	None	None	RIGID	Typical
46	M46A	N58	N54A			RIGID	None	None	RIGID	Typical
47	M47A	N54A	N56A			RIGID	None	None	RIGID	Typical
48	M48A	N55A	N56A		240	RIGID	None	None	RIGID	Typical
49	M49	N60	N65			Standoff Horiz...	Beam	SquareTube	A500 Gr.B..	Typical
50	M50	N68	N70			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
51	M51	N69	N61			Platform Cross...	Beam	SquareTube	A500 Gr.B..	Typical
52	M52	N79	N80			Corner Plate	Beam	BAR	A36 Gr.36	Typical
53	M53	N63	N67		240	RIGID	None	None	RIGID	Typical
54	M54	N62	N66		240	RIGID	None	None	RIGID	Typical
55	M55	N84	N62			Grating Support	Beam	Single Angle	A36 Gr.36	Typical
56	M56	N63	N86			Grating Support	Beam	Single Angle	A36 Gr.36	Typical



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Member Primary Data (Continued)

	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
57	M57	N86	N87		240	RIGID	None	None	RIGID	Typical
58	M58	N69	N64			RIGID	None	None	RIGID	Typical
59	M59	N64	N70			RIGID	None	None	RIGID	Typical
60	M60	N68	N72			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
61	M61	N72	N73			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
62	M62	N73	N77			RIGID	None	None	RIGID	Typical
63	M63	N80	N74			Corner Plate	Beam	BAR	A36 Gr.36	Typical
64	M64	N74	N81			RIGID	None	None	RIGID	Typical
65	M65	N61	N71			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
66	M66	N71	N75			Cross Arm Plate	Beam	RECT	A36 Gr.36	Typical
67	M67	N75	N78			RIGID	None	None	RIGID	Typical
68	M68	N79	N76			Corner Plate	Beam	BAR	A36 Gr.36	Typical
69	M69	N76	N82			RIGID	None	None	RIGID	Typical
70	M70	N87	N83			RIGID	None	None	RIGID	Typical
71	M71	N83	N85			RIGID	None	None	RIGID	Typical
72	M72	N84	N85		240	RIGID	None	None	RIGID	Typical
73	M73	N87A	N88			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
74	M74	N90	N91			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
75	M75	N93	N94			Face Horizontal	Beam	Pipe	A53 Gr.B	Typical
76	M76	N93A	N94A			Support Rail	Beam	Pipe	A53 Gr.B	Typical
77	M77	N95	N96			Support Rail	Beam	Pipe	A53 Gr.B	Typical
78	M78	N97	N98			Support Rail	Beam	Pipe	A53 Gr.B	Typical
79	M79	N99	N101			RIGID	None	None	RIGID	Typical
80	M80	N100	N102			RIGID	None	None	RIGID	Typical
81	M81	N104	N106			RIGID	None	None	RIGID	Typical
82	M82	N105	N107			RIGID	None	None	RIGID	Typical
83	M83	N109	N111			RIGID	None	None	RIGID	Typical
84	M84	N110	N112			RIGID	None	None	RIGID	Typical
85	M85	N101	N112		180	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
86	M86	N106	N102		180	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
87	M87	N111	N107		180	Support Rail C..	Beam	Single Angle	A36 Gr.36	Typical
88	M88	N112A	N114			RIGID	None	None	RIGID	Typical
89	M89	N111A	N113			RIGID	None	None	RIGID	Typical
90	MP1A	N115	N116			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
91	M91	N118	N120			RIGID	None	None	RIGID	Typical
92	M92	N117	N119			RIGID	None	None	RIGID	Typical
93	MP2A	N121	N122			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
94	M94	N124	N126			RIGID	None	None	RIGID	Typical
95	M95	N123	N125			RIGID	None	None	RIGID	Typical
96	MP3A	N127	N128			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
97	M97	N130	N132			RIGID	None	None	RIGID	Typical
98	M98	N129	N131			RIGID	None	None	RIGID	Typical
99	MP4A	N133	N134			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
100	M100	N137	N139			RIGID	None	None	RIGID	Typical
101	M101	N136	N138			RIGID	None	None	RIGID	Typical
102	MP1C	N140	N141			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
103	M103	N143	N145			RIGID	None	None	RIGID	Typical
104	M104	N142	N144			RIGID	None	None	RIGID	Typical
105	MP2C	N146	N147			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
106	M106	N149	N151			RIGID	None	None	RIGID	Typical
107	M107	N148	N150			RIGID	None	None	RIGID	Typical
108	MP3C	N152	N153			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
109	M109	N155	N157			RIGID	None	None	RIGID	Typical
110	M110	N154	N156			RIGID	None	None	RIGID	Typical
111	MP4C	N158	N159			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
112	M112	N162	N164			RIGID	None	None	RIGID	Typical
113	M113	N161	N163			RIGID	None	None	RIGID	Typical



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	Label	I Joint	J Joint	K Joint	Rotate(deg)	Section/Shape	Type	Design List	Material	Design Rules
114	MP1B	N165	N166			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
115	M115	N168	N170			RIGID	None	None	RIGID	Typical
116	M116	N167	N169			RIGID	None	None	RIGID	Typical
117	MP2B	N171	N172			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
118	M118	N174	N176			RIGID	None	None	RIGID	Typical
119	M119	N173	N175			RIGID	None	None	RIGID	Typical
120	MP3B	N177	N178			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
121	M121	N180	N182			RIGID	None	None	RIGID	Typical
122	M122	N179	N181			RIGID	None	None	RIGID	Typical
123	MP4B	N183	N184			Mount Pipe	Column	Pipe	A53 Gr.B	Typical
124	M124	N183A	N184A			RIGID	None	None	RIGID	Typical
125	OVP	N185	N186			OVP Pipe	Column	Pipe	A53 Gr.B	Typical
126	M126	N188	N187			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
127	M127	N191	N190			Kicker	Column	Double Angle (...)	A36 Gr.36	Typical
128	M128	N194	N193			Kicker	Column	Double Angle (...)	A36 Gr.36	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	M25						Yes				None
2	M26						Yes	Default			None
3	M27						Yes	Default			None
4	M28						Yes	Default			None
5	M29						Yes	** NA **			None
6	M30						Yes	** NA **			None
7	M31	OOOOOX	OOOOOX				Yes	Default			None
8	M32	OOOOOX	OOOOOX				Yes	Default			None
9	M33						Yes	** NA **			None
10	M34						Yes	** NA **			None
11	M35						Yes	** NA **			None
12	M36						Yes				None
13	M37						Yes				None
14	M38		BenPIN				Yes	** NA **			None
15	M39						Yes				None
16	M40		BenPIN				Yes	** NA **			None
17	M41						Yes				None
18	M42						Yes				None
19	M43		BenPIN				Yes	** NA **			None
20	M44						Yes				None
21	M45		BenPIN				Yes	** NA **			None
22	M46						Yes	** NA **			None
23	M47						Yes	** NA **			None
24	M48						Yes	** NA **			None
25	M25A						Yes				None
26	M26A						Yes	Default			None
27	M27A						Yes	Default			None
28	M28A						Yes	Default			None
29	M29A						Yes	** NA **			None
30	M30A						Yes	** NA **			None
31	M31A	OOOOOX	OOOOOX				Yes	Default			None
32	M32A	OOOOOX	OOOOOX				Yes	Default			None
33	M33A						Yes	** NA **			None
34	M34A						Yes	** NA **			None
35	M35A						Yes	** NA **			None
36	M36A						Yes				None
37	M37A						Yes				None



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	Label	I Release	J Release	I Offset(in)	J Offset(in)	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
38	M38A		BenPIN				Yes	** NA **			None
39	M39A						Yes				None
40	M40A		BenPIN				Yes	** NA **			None
41	M41A						Yes				None
42	M42A						Yes				None
43	M43A		BenPIN				Yes	** NA **			None
44	M44A						Yes				None
45	M45A		BenPIN				Yes	** NA **			None
46	M46A						Yes	** NA **			None
47	M47A						Yes	** NA **			None
48	M48A						Yes				None
49	M49						Yes	Default			None
50	M50						Yes	Default			None
51	M51						Yes	Default			None
52	M52						Yes	** NA **			None
53	M53						Yes	** NA **			None
54	M54						Yes	Default			None
55	M55	00000X	00000X				Yes	Default			None
56	M56	00000X	00000X				Yes	Default			None
57	M57						Yes	** NA **			None
58	M58						Yes	** NA **			None
59	M59						Yes	** NA **			None
60	M60						Yes				None
61	M61						Yes				None
62	M62		BenPIN				Yes	** NA **			None
63	M63						Yes				None
64	M64		BenPIN				Yes	** NA **			None
65	M65						Yes				None
66	M66						Yes				None
67	M67		BenPIN				Yes	** NA **			None
68	M68						Yes				None
69	M69		BenPIN				Yes	** NA **			None
70	M70						Yes	** NA **			None
71	M71						Yes	** NA **			None
72	M72						Yes	** NA **			None
73	M73						Yes				None
74	M74						Yes				None
75	M75						Yes				None
76	M76						Yes				None
77	M77						Yes				None
78	M78						Yes				None
79	M79	00000X					Yes	** NA **			None
80	M80	00000X					Yes	** NA **			None
81	M81	00000X					Yes	** NA **			None
82	M82	00000X					Yes	** NA **			None
83	M83	00000X					Yes	** NA **			None
84	M84	00000X					Yes	** NA **			None
85	M85						Yes				None
86	M86						Yes				None
87	M87						Yes	** NA **			None
88	M88						Yes	** NA **			None
89	M89						Yes	** NA **			None
90	MP1A						Yes	** NA **			None
91	M91						Yes	** NA **			None
92	M92						Yes	** NA **			None
93	MP2A						Yes	** NA **			None
94	M94						Yes	** NA **			None



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Member Advanced Data (Continued)

	Label	I Release	J Release	I Offset[in]	J Offset[in]	T/C Only	Physical	Defl Rat...	Analysis ...	Inactive	Seismic...
95	M95						Yes	** NA **			None
96	MP3A						Yes	** NA **			None
97	M97						Yes	** NA **			None
98	M98						Yes	** NA **			None
99	MP4A						Yes	** NA **			None
100	M100						Yes	** NA **			None
101	M101						Yes	** NA **			None
102	MP1C						Yes	** NA **			None
103	M103						Yes	** NA **			None
104	M104						Yes	** NA **			None
105	MP2C						Yes	** NA **			None
106	M106						Yes	** NA **			None
107	M107						Yes	** NA **			None
108	MP3C						Yes	** NA **			None
109	M109						Yes	** NA **			None
110	M110						Yes	** NA **			None
111	MP4C						Yes	** NA **			None
112	M112						Yes	** NA **			None
113	M113						Yes	** NA **			None
114	MP1B						Yes	** NA **			None
115	M115						Yes	** NA **			None
116	M116						Yes	** NA **			None
117	MP2B						Yes	** NA **			None
118	M118						Yes	** NA **			None
119	M119						Yes	** NA **			None
120	MP3B						Yes	** NA **			None
121	M121						Yes	** NA **			None
122	M122						Yes	** NA **			None
123	MP4B						Yes	** NA **			None
124	M124						Yes	** NA **			None
125	OVP						Yes	** NA **			None
126	M126	BenPIN	BenPIN				Yes	** NA **			None
127	M127	BenPIN	BenPIN				Yes	** NA **			None
128	M128	BenPIN	BenPIN				Yes	** NA **			None

Member Point Loads (BLC 1 : Antenna D)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	-43.55	1.25
2	MP3A	My	-.019	1.25
3	MP3A	Mz	.011	1.25
4	MP3A	Y	-43.55	3.25
5	MP3A	My	-.019	3.25
6	MP3A	Mz	.011	3.25
7	MP3B	Y	-43.55	1.25
8	MP3B	My	-.007	1.25
9	MP3B	Mz	-.02	1.25
10	MP3B	Y	-43.55	3.25
11	MP3B	My	-.007	3.25
12	MP3B	Mz	-.02	3.25
13	MP3C	Y	-43.55	1.25
14	MP3C	My	.021	1.25
15	MP3C	Mz	.007	1.25
16	MP3C	Y	-43.55	3.25
17	MP3C	My	.021	3.25
18	MP3C	Mz	.007	3.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
19	MP2A	Y	-55.35	.25
20	MP2A	My	-.000905	.25
21	MP2A	Mz	.054	.25
22	MP2A	Y	-55.35	4.25
23	MP2A	My	-.000905	4.25
24	MP2A	Mz	.054	4.25
25	MP2B	Y	-55.35	.25
26	MP2B	My	-.053	.25
27	MP2B	Mz	-.01	.25
28	MP2B	Y	-55.35	4.25
29	MP2B	My	-.053	4.25
30	MP2B	Mz	-.01	4.25
31	MP2C	Y	-55.35	.25
32	MP2C	My	.041	.25
33	MP2C	Mz	-.035	.25
34	MP2C	Y	-55.35	4.25
35	MP2C	My	.041	4.25
36	MP2C	Mz	-.035	4.25
37	MP2A	Y	-55.35	.25
38	MP2A	My	-.047	.25
39	MP2A	Mz	-.026	.25
40	MP2A	Y	-55.35	4.25
41	MP2A	My	-.047	4.25
42	MP2A	Mz	-.026	4.25
43	MP2B	Y	-55.35	.25
44	MP2B	My	.034	.25
45	MP2B	Mz	-.042	.25
46	MP2B	Y	-55.35	4.25
47	MP2B	My	.034	4.25
48	MP2B	Mz	-.042	4.25
49	MP2C	Y	-55.35	.25
50	MP2C	My	.012	.25
51	MP2C	Mz	.052	.25
52	MP2C	Y	-55.35	4.25
53	MP2C	My	.012	4.25
54	MP2C	Mz	.052	4.25
55	MP1A	Y	-84.4	3
56	MP1A	My	.037	3
57	MP1A	Mz	-.021	3
58	MP1B	Y	-84.4	3
59	MP1B	My	.014	3
60	MP1B	Mz	.04	3
61	MP1C	Y	-84.4	3
62	MP1C	My	-.04	3
63	MP1C	Mz	-.013	3
64	MP4A	Y	-70.3	3
65	MP4A	My	.03	3
66	MP4A	Mz	-.018	3
67	MP4B	Y	-70.3	3
68	MP4B	My	.012	3
69	MP4B	Mz	.033	3
70	MP4C	Y	-70.3	3
71	MP4C	My	-.033	3
72	MP4C	Mz	-.011	3
73	OVP	Y	-32	1
74	OVP	My	0	1
75	OVP	Mz	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
76	MP2A	Y	-8.8	6.25
77	MP2A	My	.009	6.25
78	MP2A	Mz	-.002	6.25
79	MP2A	Y	-8.8	7.25
80	MP2A	My	.009	7.25
81	MP2A	Mz	-.002	7.25
82	MP2A	Y	-8.8	6.25
83	MP2A	My	.006	6.25
84	MP2A	Mz	-.007	6.25
85	MP2A	Y	-8.8	7.25
86	MP2A	My	.006	7.25
87	MP2A	Mz	-.007	7.25

Member Point Loads (BLC 2 : Antenna Di)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	Y	-34.604	1.25
2	MP3A	My	-.015	1.25
3	MP3A	Mz	.009	1.25
4	MP3A	Y	-34.604	3.25
5	MP3A	My	-.015	3.25
6	MP3A	Mz	.009	3.25
7	MP3B	Y	-34.604	1.25
8	MP3B	My	-.006	1.25
9	MP3B	Mz	-.016	1.25
10	MP3B	Y	-34.604	3.25
11	MP3B	My	-.006	3.25
12	MP3B	Mz	-.016	3.25
13	MP3C	Y	-34.604	1.25
14	MP3C	My	.016	1.25
15	MP3C	Mz	.005	1.25
16	MP3C	Y	-34.604	3.25
17	MP3C	My	.016	3.25
18	MP3C	Mz	.005	3.25
19	MP2A	Y	-99.847	.25
20	MP2A	My	-.002	.25
21	MP2A	Mz	.097	.25
22	MP2A	Y	-99.847	4.25
23	MP2A	My	-.002	4.25
24	MP2A	Mz	.097	4.25
25	MP2B	Y	-99.847	.25
26	MP2B	My	-.095	.25
27	MP2B	Mz	-.018	.25
28	MP2B	Y	-99.847	4.25
29	MP2B	My	-.095	4.25
30	MP2B	Mz	-.018	4.25
31	MP2C	Y	-99.847	.25
32	MP2C	My	.073	.25
33	MP2C	Mz	-.064	.25
34	MP2C	Y	-99.847	4.25
35	MP2C	My	.073	4.25
36	MP2C	Mz	-.064	4.25
37	MP2A	Y	-99.847	.25
38	MP2A	My	-.085	.25
39	MP2A	Mz	-.047	.25
40	MP2A	Y	-99.847	4.25
41	MP2A	My	-.085	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
42	MP2A	Mz	-.047	4.25
43	MP2B	Y	-99.847	.25
44	MP2B	My	.061	.25
45	MP2B	Mz	-.075	.25
46	MP2B	Y	-99.847	4.25
47	MP2B	My	.061	4.25
48	MP2B	Mz	-.075	4.25
49	MP2C	Y	-99.847	.25
50	MP2C	My	.022	.25
51	MP2C	Mz	.095	.25
52	MP2C	Y	-99.847	4.25
53	MP2C	Mv	.022	4.25
54	MP2C	Mz	.095	4.25
55	MP1A	Y	-43.61	3
56	MP1A	My	.019	3
57	MP1A	Mz	-.011	3
58	MP1B	Y	-43.61	3
59	MP1B	Mv	.007	3
60	MP1B	Mz	.02	3
61	MP1C	Y	-43.61	3
62	MP1C	My	-.021	3
63	MP1C	Mz	-.007	3
64	MP4A	Y	-39.211	3
65	MP4A	Mv	.017	3
66	MP4A	Mz	-.01	3
67	MP4B	Y	-39.211	3
68	MP4B	My	.007	3
69	MP4B	Mz	.018	3
70	MP4C	Y	-39.211	3
71	MP4C	Mv	-.019	3
72	MP4C	Mz	-.006	3
73	OVP	Y	-85.463	1
74	OVP	My	0	1
75	OVP	Mz	0	1
76	MP2A	Y	-8.405	6.25
77	MP2A	My	.009	6.25
78	MP2A	Mz	-.002	6.25
79	MP2A	Y	-8.405	7.25
80	MP2A	My	.009	7.25
81	MP2A	Mz	-.002	7.25
82	MP2A	Y	-8.405	6.25
83	MP2A	Mv	.006	6.25
84	MP2A	Mz	-.007	6.25
85	MP2A	Y	-8.405	7.25
86	MP2A	My	.006	7.25
87	MP2A	Mz	-.007	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	1.25
2	MP3A	Z	-46.064	1.25
3	MP3A	Mx	-.012	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-46.064	3.25
6	MP3A	Mx	-.012	3.25
7	MP3B	X	0	1.25



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft, %]
8	MP3B	Z	-23.199	1.25
9	MP3B	Mx	.011	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-23.199	3.25
12	MP3B	Mx	.011	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-51.645	1.25
15	MP3C	Mx	-.008	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-51.645	3.25
18	MP3C	Mx	-.008	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-169.498	.25
21	MP2A	Mx	-.165	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-169.498	4.25
24	MP2A	Mx	-.165	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-64.159	.25
27	MP2B	Mx	.012	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-64.159	4.25
30	MP2B	Mx	.012	4.25
31	MP2C	X	0	.25
32	MP2C	Z	-195.209	.25
33	MP2C	Mx	.125	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-195.209	4.25
36	MP2C	Mx	.125	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-169.498	.25
39	MP2A	Mx	.08	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-169.498	4.25
42	MP2A	Mx	.08	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-64.159	.25
45	MP2B	Mx	.048	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-64.159	4.25
48	MP2B	Mx	.048	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-195.209	.25
51	MP2C	Mx	-.185	.25
52	MP2C	X	0	4.25
53	MP2C	Z	-195.209	4.25
54	MP2C	Mx	-.185	4.25
55	MP1A	X	0	3
56	MP1A	Z	-39.985	3
57	MP1A	Mx	.01	3
58	MP1B	X	0	3
59	MP1B	Z	-30.91	3
60	MP1B	Mx	-.015	3
61	MP1C	X	0	3
62	MP1C	Z	-42.2	3
63	MP1C	Mx	.007	3
64	MP4A	X	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
65	MP4A	Z	-38.65	3
66	MP4A	Mx	.01	3
67	MP4B	X	0	3
68	MP4B	Z	-26.194	3
69	MP4B	Mx	-.012	3
70	MP4C	X	0	3
71	MP4C	Z	-41.69	3
72	MP4C	Mx	.006	3
73	OVP	X	0	1
74	OVP	Z	-78.424	1
75	OVP	Mx	0	1
76	MP2A	X	0	6.25
77	MP2A	Z	-13.502	6.25
78	MP2A	Mx	.003	6.25
79	MP2A	X	0	7.25
80	MP2A	Z	-13.502	7.25
81	MP2A	Mx	.003	7.25
82	MP2A	X	0	6.25
83	MP2A	Z	-13.502	6.25
84	MP2A	Mx	.011	6.25
85	MP2A	X	0	7.25
86	MP2A	Z	-13.502	7.25
87	MP2A	Mx	.011	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	14.002	1.25
2	MP3A	Z	-24.252	1.25
3	MP3A	Mx	-.012	1.25
4	MP3A	X	14.002	3.25
5	MP3A	Z	-24.252	3.25
6	MP3A	Mx	-.012	3.25
7	MP3B	X	20.085	1.25
8	MP3B	Z	-34.788	1.25
9	MP3B	Mx	.013	1.25
10	MP3B	X	20.085	3.25
11	MP3B	Z	-34.788	3.25
12	MP3B	Mx	.013	3.25
13	MP3C	X	26.766	1.25
14	MP3C	Z	-46.36	1.25
15	MP3C	Mx	.006	1.25
16	MP3C	X	26.766	3.25
17	MP3C	Z	-46.36	3.25
18	MP3C	Mx	.006	3.25
19	MP2A	X	43.147	.25
20	MP2A	Z	-74.733	.25
21	MP2A	Mx	-.073	.25
22	MP2A	X	43.147	4.25
23	MP2A	Z	-74.733	4.25
24	MP2A	Mx	-.073	4.25
25	MP2B	X	71.172	.25
26	MP2B	Z	-123.274	.25
27	MP2B	Mx	-.045	.25
28	MP2B	X	71.172	4.25
29	MP2B	Z	-123.274	4.25
30	MP2B	Mx	-.045	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
31	MP2C	X	101.953	.25
32	MP2C	Z	-176.587	.25
33	MP2C	Mx	.187	.25
34	MP2C	X	101.953	4.25
35	MP2C	Z	-176.587	4.25
36	MP2C	Mx	.187	4.25
37	MP2A	X	43.147	.25
38	MP2A	Z	-74.733	.25
39	MP2A	Mx	-.001	.25
40	MP2A	X	43.147	4.25
41	MP2A	Z	-74.733	4.25
42	MP2A	Mx	-.001	4.25
43	MP2B	X	71.172	.25
44	MP2B	Z	-123.274	.25
45	MP2B	Mx	.137	.25
46	MP2B	X	71.172	4.25
47	MP2B	Z	-123.274	4.25
48	MP2B	Mx	.137	4.25
49	MP2C	X	101.953	.25
50	MP2C	Z	-176.587	.25
51	MP2C	Mx	-.145	.25
52	MP2C	X	101.953	4.25
53	MP2C	Z	-176.587	4.25
54	MP2C	Mx	-.145	4.25
55	MP1A	X	16.409	3
56	MP1A	Z	-28.421	3
57	MP1A	Mx	.014	3
58	MP1B	X	18.823	3
59	MP1B	Z	-32.602	3
60	MP1B	Mx	-.012	3
61	MP1C	X	21.475	3
62	MP1C	Z	-37.195	3
63	MP1C	Mx	-.004	3
64	MP4A	X	14.406	3
65	MP4A	Z	-24.952	3
66	MP4A	Mx	.012	3
67	MP4B	X	17.72	3
68	MP4B	Z	-30.691	3
69	MP4B	Mx	-.011	3
70	MP4C	X	21.359	3
71	MP4C	Z	-36.995	3
72	MP4C	Mx	-.004	3
73	OVP	X	43.837	1
74	OVP	Z	-75.928	1
75	OVP	Mx	0	1
76	MP2A	X	6.761	6.25
77	MP2A	Z	-11.711	6.25
78	MP2A	Mx	.009	6.25
79	MP2A	X	6.761	7.25
80	MP2A	Z	-11.711	7.25
81	MP2A	Mx	.009	7.25
82	MP2A	X	6.761	6.25
83	MP2A	Z	-11.711	6.25
84	MP2A	Mx	.014	6.25
85	MP2A	X	6.761	7.25
86	MP2A	Z	-11.711	7.25
87	MP2A	Mx	.014	7.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	16.432	1.25
2	MP3A	Z	-9.487	1.25
3	MP3A	Mx	-.009	1.25
4	MP3A	X	16.432	3.25
5	MP3A	Z	-9.487	3.25
6	MP3A	Mx	-.009	3.25
7	MP3B	X	46.769	1.25
8	MP3B	Z	-27.002	1.25
9	MP3B	Mx	.005	1.25
10	MP3B	X	46.769	3.25
11	MP3B	Z	-27.002	3.25
12	MP3B	Mx	.005	3.25
13	MP3C	X	33.707	1.25
14	MP3C	Z	-19.461	1.25
15	MP3C	Mx	.013	1.25
16	MP3C	X	33.707	3.25
17	MP3C	Z	-19.461	3.25
18	MP3C	Mx	.013	3.25
19	MP2A	X	38.706	.25
20	MP2A	Z	-22.347	.25
21	MP2A	Mx	-.022	.25
22	MP2A	X	38.706	4.25
23	MP2A	Z	-22.347	4.25
24	MP2A	Mx	-.022	4.25
25	MP2B	X	178.472	.25
26	MP2B	Z	-103.041	.25
27	MP2B	Mx	-.151	.25
28	MP2B	X	178.472	4.25
29	MP2B	Z	-103.041	4.25
30	MP2B	Mx	-.151	4.25
31	MP2C	X	118.293	.25
32	MP2C	Z	-68.297	.25
33	MP2C	Mx	.13	.25
34	MP2C	X	118.293	4.25
35	MP2C	Z	-68.297	4.25
36	MP2C	Mx	.13	4.25
37	MP2A	X	38.706	.25
38	MP2A	Z	-22.347	.25
39	MP2A	Mx	-.022	.25
40	MP2A	X	38.706	4.25
41	MP2A	Z	-22.347	4.25
42	MP2A	Mx	-.022	4.25
43	MP2B	X	178.472	.25
44	MP2B	Z	-103.041	.25
45	MP2B	Mx	.187	.25
46	MP2B	X	178.472	4.25
47	MP2B	Z	-103.041	4.25
48	MP2B	Mx	.187	4.25
49	MP2C	X	118.293	.25
50	MP2C	Z	-68.297	.25
51	MP2C	Mx	-.039	.25
52	MP2C	X	118.293	4.25
53	MP2C	Z	-68.297	4.25
54	MP2C	Mx	-.039	4.25
55	MP1A	X	25.317	3
56	MP1A	Z	-14.617	3
57	MP1A	Mx	.015	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
58	MP1B	X	37.358	3
59	MP1B	Z	-21.568	3
60	MP1B	Mx	-.004	3
61	MP1C	X	32.173	3
62	MP1C	Z	-18.575	3
63	MP1C	Mx	-.012	3
64	MP4A	X	20.692	3
65	MP4A	Z	-11.946	3
66	MP4A	Mx	.012	3
67	MP4B	X	37.218	3
68	MP4B	Z	-21.488	3
69	MP4B	Mx	-.004	3
70	MP4C	X	30.102	3
71	MP4C	Z	-17.38	3
72	MP4C	Mx	-.012	3
73	OVP	X	75.928	1
74	OVP	Z	-43.837	1
75	OVP	Mx	0	1
76	MP2A	X	11.719	6.25
77	MP2A	Z	-6.766	6.25
78	MP2A	Mx	.014	6.25
79	MP2A	X	11.719	7.25
80	MP2A	Z	-6.766	7.25
81	MP2A	Mx	.014	7.25
82	MP2A	X	11.719	6.25
83	MP2A	Z	-6.766	6.25
84	MP2A	Mx	.014	6.25
85	MP2A	X	11.719	7.25
86	MP2A	Z	-6.766	7.25
87	MP2A	Mx	.014	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	28.004	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.012	1.25
4	MP3A	X	28.004	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.012	3.25
7	MP3B	X	50.868	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.009	1.25
10	MP3B	X	50.868	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.009	3.25
13	MP3C	X	22.423	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.011	1.25
16	MP3C	X	22.423	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.011	3.25
19	MP2A	X	86.295	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.001	.25
22	MP2A	X	86.295	4.25
23	MP2A	Z	0	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
24	MP2A	Mx	-.001	4.25
25	MP2B	X	191.633	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.183	.25
28	MP2B	X	191.633	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.183	4.25
31	MP2C	X	60.584	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.044	.25
34	MP2C	X	60.584	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	.044	4.25
37	MP2A	X	86.295	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.073	.25
40	MP2A	X	86.295	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.073	4.25
43	MP2B	X	191.633	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.117	.25
46	MP2B	X	191.633	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.117	4.25
49	MP2C	X	60.584	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.013	.25
52	MP2C	X	60.584	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.013	4.25
55	MP1A	X	32.817	3
56	MP1A	Z	0	3
57	MP1A	Mx	.014	3
58	MP1B	X	41.892	3
59	MP1B	Z	0	3
60	MP1B	Mx	.007	3
61	MP1C	X	30.602	3
62	MP1C	Z	0	3
63	MP1C	Mx	-.015	3
64	MP4A	X	28.812	3
65	MP4A	Z	0	3
66	MP4A	Mx	.012	3
67	MP4B	X	41.267	3
68	MP4B	Z	0	3
69	MP4B	Mx	.007	3
70	MP4C	X	25.772	3
71	MP4C	Z	0	3
72	MP4C	Mx	-.012	3
73	OVP	X	78.424	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP2A	X	13.522	6.25
77	MP2A	Z	0	6.25
78	MP2A	Mx	.014	6.25
79	MP2A	X	13.522	7.25
80	MP2A	Z	0	7.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
81	MP2A	Mx	.014	7.25
82	MP2A	X	13.522	6.25
83	MP2A	Z	0	6.25
84	MP2A	Mx	.009	6.25
85	MP2A	X	13.522	7.25
86	MP2A	Z	0	7.25
87	MP2A	Mx	.009	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	39.892	1.25
2	MP3A	Z	23.032	1.25
3	MP3A	Mx	-.012	1.25
4	MP3A	X	39.892	3.25
5	MP3A	Z	23.032	3.25
6	MP3A	Mx	-.012	3.25
7	MP3B	X	29.356	1.25
8	MP3B	Z	16.949	1.25
9	MP3B	Mx	-.013	1.25
10	MP3B	X	29.356	3.25
11	MP3B	Z	16.949	3.25
12	MP3B	Mx	-.013	3.25
13	MP3C	X	17.784	1.25
14	MP3C	Z	10.267	1.25
15	MP3C	Mx	.01	1.25
16	MP3C	X	17.784	3.25
17	MP3C	Z	10.267	3.25
18	MP3C	Mx	.01	3.25
19	MP2A	X	146.789	.25
20	MP2A	Z	84.749	.25
21	MP2A	Mx	.08	.25
22	MP2A	X	146.789	4.25
23	MP2A	Z	84.749	4.25
24	MP2A	Mx	.08	4.25
25	MP2B	X	98.249	.25
26	MP2B	Z	56.724	.25
27	MP2B	Mx	-.104	.25
28	MP2B	X	98.249	4.25
29	MP2B	Z	56.724	4.25
30	MP2B	Mx	-.104	4.25
31	MP2C	X	44.935	.25
32	MP2C	Z	25.943	.25
33	MP2C	Mx	.016	.25
34	MP2C	X	44.935	4.25
35	MP2C	Z	25.943	4.25
36	MP2C	Mx	.016	4.25
37	MP2A	X	146.789	.25
38	MP2A	Z	84.749	.25
39	MP2A	Mx	-.165	.25
40	MP2A	X	146.789	4.25
41	MP2A	Z	84.749	4.25
42	MP2A	Mx	-.165	4.25
43	MP2B	X	98.249	.25
44	MP2B	Z	56.724	.25
45	MP2B	Mx	.017	.25
46	MP2B	X	98.249	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
47	MP2B	Z	56.724	4.25
48	MP2B	Mx	.017	4.25
49	MP2C	X	44.935	.25
50	MP2C	Z	25.943	.25
51	MP2C	Mx	.034	.25
52	MP2C	X	44.935	4.25
53	MP2C	Z	25.943	4.25
54	MP2C	Mx	.034	4.25
55	MP1A	X	34.628	3
56	MP1A	Z	19.993	3
57	MP1A	Mx	.01	3
58	MP1B	X	30.446	3
59	MP1B	Z	17.578	3
60	MP1B	Mx	.013	3
61	MP1C	X	25.854	3
62	MP1C	Z	14.927	3
63	MP1C	Mx	-.015	3
64	MP4A	X	33.472	3
65	MP4A	Z	19.325	3
66	MP4A	Mx	.01	3
67	MP4B	X	27.732	3
68	MP4B	Z	16.011	3
69	MP4B	Mx	.012	3
70	MP4C	X	21.428	3
71	MP4C	Z	12.372	3
72	MP4C	Mx	-.012	3
73	OVP	X	59.906	1
74	OVP	Z	34.587	1
75	OVP	Mx	0	1
76	MP2A	X	11.693	6.25
77	MP2A	Z	6.751	6.25
78	MP2A	Mx	.011	6.25
79	MP2A	X	11.693	7.25
80	MP2A	Z	6.751	7.25
81	MP2A	Mx	.011	7.25
82	MP2A	X	11.693	6.25
83	MP2A	Z	6.751	6.25
84	MP2A	Mx	.003	6.25
85	MP2A	X	11.693	7.25
86	MP2A	Z	6.751	7.25
87	MP2A	Mx	.003	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	27.547	1.25
2	MP3A	Z	47.713	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	27.547	3.25
5	MP3A	Z	47.713	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	10.031	1.25
8	MP3B	Z	17.375	1.25
9	MP3B	Mx	-.01	1.25
10	MP3B	X	10.031	3.25
11	MP3B	Z	17.375	3.25
12	MP3B	Mx	-.01	3.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
13	MP3C	X	17.573	1.25
14	MP3C	Z	30.437	1.25
15	MP3C	Mx	.013	1.25
16	MP3C	X	17.573	3.25
17	MP3C	Z	30.437	3.25
18	MP3C	Mx	.013	3.25
19	MP2A	X	105.549	.25
20	MP2A	Z	182.817	.25
21	MP2A	Mx	.176	.25
22	MP2A	X	105.549	4.25
23	MP2A	Z	182.817	4.25
24	MP2A	Mx	.176	4.25
25	MP2B	X	24.856	.25
26	MP2B	Z	43.051	.25
27	MP2B	Mx	-.032	.25
28	MP2B	X	24.856	4.25
29	MP2B	Z	43.051	4.25
30	MP2B	Mx	-.032	4.25
31	MP2C	X	59.6	.25
32	MP2C	Z	103.229	.25
33	MP2C	Mx	-.022	.25
34	MP2C	X	59.6	4.25
35	MP2C	Z	103.229	4.25
36	MP2C	Mx	-.022	4.25
37	MP2A	X	105.549	.25
38	MP2A	Z	182.817	.25
39	MP2A	Mx	-.176	.25
40	MP2A	X	105.549	4.25
41	MP2A	Z	182.817	4.25
42	MP2A	Mx	-.176	4.25
43	MP2B	X	24.856	.25
44	MP2B	Z	43.051	.25
45	MP2B	Mx	-.017	.25
46	MP2B	X	24.856	4.25
47	MP2B	Z	43.051	4.25
48	MP2B	Mx	-.017	4.25
49	MP2C	X	59.6	.25
50	MP2C	Z	103.229	.25
51	MP2C	Mx	.111	.25
52	MP2C	X	59.6	4.25
53	MP2C	Z	103.229	4.25
54	MP2C	Mx	.111	4.25
55	MP1A	X	21.785	3
56	MP1A	Z	37.732	3
57	MP1A	Mx	0	3
58	MP1B	X	14.833	3
59	MP1B	Z	25.691	3
60	MP1B	Mx	.015	3
61	MP1C	X	17.826	3
62	MP1C	Z	30.876	3
63	MP1C	Mx	-.013	3
64	MP4A	X	21.785	3
65	MP4A	Z	37.732	3
66	MP4A	Mx	0	3
67	MP4B	X	12.243	3
68	MP4B	Z	21.205	3
69	MP4B	Mx	.012	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
70	MP4C	X	16.351	3
71	MP4C	Z	28.321	3
72	MP4C	Mx	-.012	3
73	OVP	X	34.587	1
74	OVP	Z	59.906	1
75	OVP	Mx	0	1
76	MP2A	X	6.746	6.25
77	MP2A	Z	11.685	6.25
78	MP2A	Mx	.004	6.25
79	MP2A	X	6.746	7.25
80	MP2A	Z	11.685	7.25
81	MP2A	Mx	.004	7.25
82	MP2A	X	6.746	6.25
83	MP2A	Z	11.685	6.25
84	MP2A	Mx	-.004	6.25
85	MP2A	X	6.746	7.25
86	MP2A	Z	11.685	7.25
87	MP2A	Mx	-.004	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	1.25
2	MP3A	Z	46.064	1.25
3	MP3A	Mx	.012	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	46.064	3.25
6	MP3A	Mx	.012	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	23.199	1.25
9	MP3B	Mx	-.011	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	23.199	3.25
12	MP3B	Mx	-.011	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	51.645	1.25
15	MP3C	Mx	.008	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	51.645	3.25
18	MP3C	Mx	.008	3.25
19	MP2A	X	0	.25
20	MP2A	Z	169.498	.25
21	MP2A	Mx	.165	.25
22	MP2A	X	0	4.25
23	MP2A	Z	169.498	4.25
24	MP2A	Mx	.165	4.25
25	MP2B	X	0	.25
26	MP2B	Z	64.159	.25
27	MP2B	Mx	-.012	.25
28	MP2B	X	0	4.25
29	MP2B	Z	64.159	4.25
30	MP2B	Mx	-.012	4.25
31	MP2C	X	0	.25
32	MP2C	Z	195.209	.25
33	MP2C	Mx	-.125	.25
34	MP2C	X	0	4.25
35	MP2C	Z	195.209	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
36	MP2C	Mx	-.125	4.25
37	MP2A	X	0	.25
38	MP2A	Z	169.498	.25
39	MP2A	Mx	-.08	.25
40	MP2A	X	0	4.25
41	MP2A	Z	169.498	4.25
42	MP2A	Mx	-.08	4.25
43	MP2B	X	0	.25
44	MP2B	Z	64.159	.25
45	MP2B	Mx	-.048	.25
46	MP2B	X	0	4.25
47	MP2B	Z	64.159	4.25
48	MP2B	Mx	-.048	4.25
49	MP2C	X	0	.25
50	MP2C	Z	195.209	.25
51	MP2C	Mx	.185	.25
52	MP2C	X	0	4.25
53	MP2C	Z	195.209	4.25
54	MP2C	Mx	.185	4.25
55	MP1A	X	0	3
56	MP1A	Z	39.985	3
57	MP1A	Mx	-.01	3
58	MP1B	X	0	3
59	MP1B	Z	30.91	3
60	MP1B	Mx	.015	3
61	MP1C	X	0	3
62	MP1C	Z	42.2	3
63	MP1C	Mx	-.007	3
64	MP4A	X	0	3
65	MP4A	Z	38.65	3
66	MP4A	Mx	-.01	3
67	MP4B	X	0	3
68	MP4B	Z	26.194	3
69	MP4B	Mx	.012	3
70	MP4C	X	0	3
71	MP4C	Z	41.69	3
72	MP4C	Mx	-.006	3
73	OVP	X	0	1
74	OVP	Z	78.424	1
75	OVP	Mx	0	1
76	MP2A	X	0	6.25
77	MP2A	Z	13.502	6.25
78	MP2A	Mx	-.003	6.25
79	MP2A	X	0	7.25
80	MP2A	Z	13.502	7.25
81	MP2A	Mx	-.003	7.25
82	MP2A	X	0	6.25
83	MP2A	Z	13.502	6.25
84	MP2A	Mx	-.011	6.25
85	MP2A	X	0	7.25
86	MP2A	Z	13.502	7.25
87	MP2A	Mx	-.011	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-14.002	1.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
2	MP3A	Z	24.252	1.25
3	MP3A	Mx	.012	1.25
4	MP3A	X	-14.002	3.25
5	MP3A	Z	24.252	3.25
6	MP3A	Mx	.012	3.25
7	MP3B	X	-20.085	1.25
8	MP3B	Z	34.788	1.25
9	MP3B	Mx	-.013	1.25
10	MP3B	X	-20.085	3.25
11	MP3B	Z	34.788	3.25
12	MP3B	Mx	-.013	3.25
13	MP3C	X	-26.766	1.25
14	MP3C	Z	46.36	1.25
15	MP3C	Mx	-.006	1.25
16	MP3C	X	-26.766	3.25
17	MP3C	Z	46.36	3.25
18	MP3C	Mx	-.006	3.25
19	MP2A	X	-43.147	.25
20	MP2A	Z	74.733	.25
21	MP2A	Mx	.073	.25
22	MP2A	X	-43.147	4.25
23	MP2A	Z	74.733	4.25
24	MP2A	Mx	.073	4.25
25	MP2B	X	-71.172	.25
26	MP2B	Z	123.274	.25
27	MP2B	Mx	.045	.25
28	MP2B	X	-71.172	4.25
29	MP2B	Z	123.274	4.25
30	MP2B	Mx	.045	4.25
31	MP2C	X	-101.953	.25
32	MP2C	Z	176.587	.25
33	MP2C	Mx	-.187	.25
34	MP2C	X	-101.953	4.25
35	MP2C	Z	176.587	4.25
36	MP2C	Mx	-.187	4.25
37	MP2A	X	-43.147	.25
38	MP2A	Z	74.733	.25
39	MP2A	Mx	.001	.25
40	MP2A	X	-43.147	4.25
41	MP2A	Z	74.733	4.25
42	MP2A	Mx	.001	4.25
43	MP2B	X	-71.172	.25
44	MP2B	Z	123.274	.25
45	MP2B	Mx	-.137	.25
46	MP2B	X	-71.172	4.25
47	MP2B	Z	123.274	4.25
48	MP2B	Mx	-.137	4.25
49	MP2C	X	-101.953	.25
50	MP2C	Z	176.587	.25
51	MP2C	Mx	.145	.25
52	MP2C	X	-101.953	4.25
53	MP2C	Z	176.587	4.25
54	MP2C	Mx	.145	4.25
55	MP1A	X	-16.409	3
56	MP1A	Z	28.421	3
57	MP1A	Mx	-.014	3
58	MP1B	X	-18.823	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
59	MP1B	Z	32.602	3
60	MP1B	Mx	.012	3
61	MP1C	X	-21.475	3
62	MP1C	Z	37.195	3
63	MP1C	Mx	.004	3
64	MP4A	X	-14.406	3
65	MP4A	Z	24.952	3
66	MP4A	Mx	-.012	3
67	MP4B	X	-17.72	3
68	MP4B	Z	30.691	3
69	MP4B	Mx	.011	3
70	MP4C	X	-21.359	3
71	MP4C	Z	36.995	3
72	MP4C	Mx	.004	3
73	OVP	X	-43.837	1
74	OVP	Z	75.928	1
75	OVP	Mx	0	1
76	MP2A	X	-6.761	6.25
77	MP2A	Z	11.711	6.25
78	MP2A	Mx	-.009	6.25
79	MP2A	X	-6.761	7.25
80	MP2A	Z	11.711	7.25
81	MP2A	Mx	-.009	7.25
82	MP2A	X	-6.761	6.25
83	MP2A	Z	11.711	6.25
84	MP2A	Mx	-.014	6.25
85	MP2A	X	-6.761	7.25
86	MP2A	Z	11.711	7.25
87	MP2A	Mx	-.014	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-16.432	1.25
2	MP3A	Z	9.487	1.25
3	MP3A	Mx	.009	1.25
4	MP3A	X	-16.432	3.25
5	MP3A	Z	9.487	3.25
6	MP3A	Mx	.009	3.25
7	MP3B	X	-46.769	1.25
8	MP3B	Z	27.002	1.25
9	MP3B	Mx	-.005	1.25
10	MP3B	X	-46.769	3.25
11	MP3B	Z	27.002	3.25
12	MP3B	Mx	-.005	3.25
13	MP3C	X	-33.707	1.25
14	MP3C	Z	19.461	1.25
15	MP3C	Mx	-.013	1.25
16	MP3C	X	-33.707	3.25
17	MP3C	Z	19.461	3.25
18	MP3C	Mx	-.013	3.25
19	MP2A	X	-38.706	.25
20	MP2A	Z	22.347	.25
21	MP2A	Mx	.022	.25
22	MP2A	X	-38.706	4.25
23	MP2A	Z	22.347	4.25
24	MP2A	Mx	.022	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
25	MP2B	X	-178.472	.25
26	MP2B	Z	103.041	.25
27	MP2B	Mx	.151	.25
28	MP2B	X	-178.472	4.25
29	MP2B	Z	103.041	4.25
30	MP2B	Mx	.151	4.25
31	MP2C	X	-118.293	.25
32	MP2C	Z	68.297	.25
33	MP2C	Mx	-.13	.25
34	MP2C	X	-118.293	4.25
35	MP2C	Z	68.297	4.25
36	MP2C	Mx	-.13	4.25
37	MP2A	X	-38.706	.25
38	MP2A	Z	22.347	.25
39	MP2A	Mx	.022	.25
40	MP2A	X	-38.706	4.25
41	MP2A	Z	22.347	4.25
42	MP2A	Mx	.022	4.25
43	MP2B	X	-178.472	.25
44	MP2B	Z	103.041	.25
45	MP2B	Mx	-.187	.25
46	MP2B	X	-178.472	4.25
47	MP2B	Z	103.041	4.25
48	MP2B	Mx	-.187	4.25
49	MP2C	X	-118.293	.25
50	MP2C	Z	68.297	.25
51	MP2C	Mx	.039	.25
52	MP2C	X	-118.293	4.25
53	MP2C	Z	68.297	4.25
54	MP2C	Mx	.039	4.25
55	MP1A	X	-25.317	3
56	MP1A	Z	14.617	3
57	MP1A	Mx	-.015	3
58	MP1B	X	-37.358	3
59	MP1B	Z	21.568	3
60	MP1B	Mx	.004	3
61	MP1C	X	-32.173	3
62	MP1C	Z	18.575	3
63	MP1C	Mx	.012	3
64	MP4A	X	-20.692	3
65	MP4A	Z	11.946	3
66	MP4A	Mx	-.012	3
67	MP4B	X	-37.218	3
68	MP4B	Z	21.488	3
69	MP4B	Mx	.004	3
70	MP4C	X	-30.102	3
71	MP4C	Z	17.38	3
72	MP4C	Mx	.012	3
73	OVP	X	-75.928	1
74	OVP	Z	43.837	1
75	OVP	Mx	0	1
76	MP2A	X	-11.719	6.25
77	MP2A	Z	6.766	6.25
78	MP2A	Mx	-.014	6.25
79	MP2A	X	-11.719	7.25
80	MP2A	Z	6.766	7.25
81	MP2A	Mx	-.014	7.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
82	MP2A	X	-11.719	6.25
83	MP2A	Z	6.766	6.25
84	MP2A	Mx	-.014	6.25
85	MP2A	X	-11.719	7.25
86	MP2A	Z	6.766	7.25
87	MP2A	Mx	-.014	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-28.004	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.012	1.25
4	MP3A	X	-28.004	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.012	3.25
7	MP3B	X	-50.868	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.009	1.25
10	MP3B	X	-50.868	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.009	3.25
13	MP3C	X	-22.423	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.011	1.25
16	MP3C	X	-22.423	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.011	3.25
19	MP2A	X	-86.295	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.001	.25
22	MP2A	X	-86.295	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	.001	4.25
25	MP2B	X	-191.633	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.183	.25
28	MP2B	X	-191.633	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	.183	4.25
31	MP2C	X	-60.584	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.044	.25
34	MP2C	X	-60.584	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.044	4.25
37	MP2A	X	-86.295	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.073	.25
40	MP2A	X	-86.295	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.073	4.25
43	MP2B	X	-191.633	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.117	.25
46	MP2B	X	-191.633	4.25
47	MP2B	Z	0	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
48	MP2B	Mx	- .117	4.25
49	MP2C	X	-60.584	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.013	.25
52	MP2C	X	-60.584	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.013	4.25
55	MP1A	X	-32.817	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.014	3
58	MP1B	X	-41.892	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.007	3
61	MP1C	X	-30.602	3
62	MP1C	Z	0	3
63	MP1C	Mx	.015	3
64	MP4A	X	-28.812	3
65	MP4A	Z	0	3
66	MP4A	Mx	-.012	3
67	MP4B	X	-41.267	3
68	MP4B	Z	0	3
69	MP4B	Mx	-.007	3
70	MP4C	X	-25.772	3
71	MP4C	Z	0	3
72	MP4C	Mx	.012	3
73	OVP	X	-78.424	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP2A	X	-13.522	6.25
77	MP2A	Z	0	6.25
78	MP2A	Mx	-.014	6.25
79	MP2A	X	-13.522	7.25
80	MP2A	Z	0	7.25
81	MP2A	Mx	-.014	7.25
82	MP2A	X	-13.522	6.25
83	MP2A	Z	0	6.25
84	MP2A	Mx	-.009	6.25
85	MP2A	X	-13.522	7.25
86	MP2A	Z	0	7.25
87	MP2A	Mx	-.009	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-39.892	1.25
2	MP3A	Z	-23.032	1.25
3	MP3A	Mx	.012	1.25
4	MP3A	X	-39.892	3.25
5	MP3A	Z	-23.032	3.25
6	MP3A	Mx	.012	3.25
7	MP3B	X	-29.356	1.25
8	MP3B	Z	-16.949	1.25
9	MP3B	Mx	.013	1.25
10	MP3B	X	-29.356	3.25
11	MP3B	Z	-16.949	3.25
12	MP3B	Mx	.013	3.25
13	MP3C	X	-17.784	1.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
14	MP3C	Z	-10.267	1.25
15	MP3C	Mx	-.01	1.25
16	MP3C	X	-17.784	3.25
17	MP3C	Z	-10.267	3.25
18	MP3C	Mx	-.01	3.25
19	MP2A	X	-146.789	.25
20	MP2A	Z	-84.749	.25
21	MP2A	Mx	-.08	.25
22	MP2A	X	-146.789	4.25
23	MP2A	Z	-84.749	4.25
24	MP2A	Mx	-.08	4.25
25	MP2B	X	-98.249	.25
26	MP2B	Z	-56.724	.25
27	MP2B	Mx	.104	.25
28	MP2B	X	-98.249	4.25
29	MP2B	Z	-56.724	4.25
30	MP2B	Mx	.104	4.25
31	MP2C	X	-44.935	.25
32	MP2C	Z	-25.943	.25
33	MP2C	Mx	-.016	.25
34	MP2C	X	-44.935	4.25
35	MP2C	Z	-25.943	4.25
36	MP2C	Mx	-.016	4.25
37	MP2A	X	-146.789	.25
38	MP2A	Z	-84.749	.25
39	MP2A	Mx	.165	.25
40	MP2A	X	-146.789	4.25
41	MP2A	Z	-84.749	4.25
42	MP2A	Mx	.165	4.25
43	MP2B	X	-98.249	.25
44	MP2B	Z	-56.724	.25
45	MP2B	Mx	-.017	.25
46	MP2B	X	-98.249	4.25
47	MP2B	Z	-56.724	4.25
48	MP2B	Mx	-.017	4.25
49	MP2C	X	-44.935	.25
50	MP2C	Z	-25.943	.25
51	MP2C	Mx	-.034	.25
52	MP2C	X	-44.935	4.25
53	MP2C	Z	-25.943	4.25
54	MP2C	Mx	-.034	4.25
55	MP1A	X	-34.628	3
56	MP1A	Z	-19.993	3
57	MP1A	Mx	-.01	3
58	MP1B	X	-30.446	3
59	MP1B	Z	-17.578	3
60	MP1B	Mx	-.013	3
61	MP1C	X	-25.854	3
62	MP1C	Z	-14.927	3
63	MP1C	Mx	.015	3
64	MP4A	X	-33.472	3
65	MP4A	Z	-19.325	3
66	MP4A	Mx	-.01	3
67	MP4B	X	-27.732	3
68	MP4B	Z	-16.011	3
69	MP4B	Mx	-.012	3
70	MP4C	X	-21.428	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
71	MP4C	Z	-12.372	3
72	MP4C	Mx	.012	3
73	OVP	X	-59.906	1
74	OVP	Z	-34.587	1
75	OVP	Mx	0	1
76	MP2A	X	-11.693	6.25
77	MP2A	Z	-6.751	6.25
78	MP2A	Mx	-.011	6.25
79	MP2A	X	-11.693	7.25
80	MP2A	Z	-6.751	7.25
81	MP2A	Mx	-.011	7.25
82	MP2A	X	-11.693	6.25
83	MP2A	Z	-6.751	6.25
84	MP2A	Mx	-.003	6.25
85	MP2A	X	-11.693	7.25
86	MP2A	Z	-6.751	7.25
87	MP2A	Mx	-.003	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-27.547	1.25
2	MP3A	Z	-47.713	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	-27.547	3.25
5	MP3A	Z	-47.713	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	-10.031	1.25
8	MP3B	Z	-17.375	1.25
9	MP3B	Mx	.01	1.25
10	MP3B	X	-10.031	3.25
11	MP3B	Z	-17.375	3.25
12	MP3B	Mx	.01	3.25
13	MP3C	X	-17.573	1.25
14	MP3C	Z	-30.437	1.25
15	MP3C	Mx	-.013	1.25
16	MP3C	X	-17.573	3.25
17	MP3C	Z	-30.437	3.25
18	MP3C	Mx	-.013	3.25
19	MP2A	X	-105.549	.25
20	MP2A	Z	-182.817	.25
21	MP2A	Mx	-.176	.25
22	MP2A	X	-105.549	4.25
23	MP2A	Z	-182.817	4.25
24	MP2A	Mx	-.176	4.25
25	MP2B	X	-24.856	.25
26	MP2B	Z	-43.051	.25
27	MP2B	Mx	.032	.25
28	MP2B	X	-24.856	4.25
29	MP2B	Z	-43.051	4.25
30	MP2B	Mx	.032	4.25
31	MP2C	X	-59.6	.25
32	MP2C	Z	-103.229	.25
33	MP2C	Mx	.022	.25
34	MP2C	X	-59.6	4.25
35	MP2C	Z	-103.229	4.25
36	MP2C	Mx	.022	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
37	MP2A	X	-105.549	.25
38	MP2A	Z	-182.817	.25
39	MP2A	Mx	.176	.25
40	MP2A	X	-105.549	4.25
41	MP2A	Z	-182.817	4.25
42	MP2A	Mx	.176	4.25
43	MP2B	X	-24.856	.25
44	MP2B	Z	-43.051	.25
45	MP2B	Mx	.017	.25
46	MP2B	X	-24.856	4.25
47	MP2B	Z	-43.051	4.25
48	MP2B	Mx	.017	4.25
49	MP2C	X	-59.6	.25
50	MP2C	Z	-103.229	.25
51	MP2C	Mx	-.111	.25
52	MP2C	X	-59.6	4.25
53	MP2C	Z	-103.229	4.25
54	MP2C	Mx	-.111	4.25
55	MP1A	X	-21.785	3
56	MP1A	Z	-37.732	3
57	MP1A	Mx	0	3
58	MP1B	X	-14.833	3
59	MP1B	Z	-25.691	3
60	MP1B	Mx	-.015	3
61	MP1C	X	-17.826	3
62	MP1C	Z	-30.876	3
63	MP1C	Mx	.013	3
64	MP4A	X	-21.785	3
65	MP4A	Z	-37.732	3
66	MP4A	Mx	0	3
67	MP4B	X	-12.243	3
68	MP4B	Z	-21.205	3
69	MP4B	Mx	-.012	3
70	MP4C	X	-16.351	3
71	MP4C	Z	-28.321	3
72	MP4C	Mx	.012	3
73	OVP	X	-34.587	1
74	OVP	Z	-59.906	1
75	OVP	Mx	0	1
76	MP2A	X	-6.746	6.25
77	MP2A	Z	-11.685	6.25
78	MP2A	Mx	-.004	6.25
79	MP2A	X	-6.746	7.25
80	MP2A	Z	-11.685	7.25
81	MP2A	Mx	-.004	7.25
82	MP2A	X	-6.746	6.25
83	MP2A	Z	-11.685	6.25
84	MP2A	Mx	.004	6.25
85	MP2A	X	-6.746	7.25
86	MP2A	Z	-11.685	7.25
87	MP2A	Mx	.004	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	1.25
2	MP3A	Z	-7.707	1.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
3	MP3A	Mx	-.002	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-7.707	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-4.431	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-4.431	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-8.507	1.25
15	MP3C	Mx	-.001	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-8.507	3.25
18	MP3C	Mx	-.001	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-25.307	.25
21	MP2A	Mx	-.025	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-25.307	4.25
24	MP2A	Mx	-.025	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-16.194	.25
27	MP2B	Mx	.003	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-16.194	4.25
30	MP2B	Mx	.003	4.25
31	MP2C	X	0	.25
32	MP2C	Z	-27.531	.25
33	MP2C	Mx	.018	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-27.531	4.25
36	MP2C	Mx	.018	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-25.307	.25
39	MP2A	Mx	.012	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-25.307	4.25
42	MP2A	Mx	.012	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-16.194	.25
45	MP2B	Mx	.012	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-16.194	4.25
48	MP2B	Mx	.012	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-27.531	.25
51	MP2C	Mx	-.026	.25
52	MP2C	X	0	4.25
53	MP2C	Z	-27.531	4.25
54	MP2C	Mx	-.026	4.25
55	MP1A	X	0	3
56	MP1A	Z	-6.998	3
57	MP1A	Mx	.002	3
58	MP1B	X	0	3
59	MP1B	Z	-5.534	3

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
60	MP1B	Mx	-.003	3
61	MP1C	X	0	3
62	MP1C	Z	-7.355	3
63	MP1C	Mx	.001	3
64	MP4A	X	0	3
65	MP4A	Z	-6.778	3
66	MP4A	Mx	.002	3
67	MP4B	X	0	3
68	MP4B	Z	-4.759	3
69	MP4B	Mx	-.002	3
70	MP4C	X	0	3
71	MP4C	Z	-7.271	3
72	MP4C	Mx	.001	3
73	OVP	X	0	1
74	OVP	Z	-13.885	1
75	OVP	Mx	0	1
76	MP2A	X	0	6.25
77	MP2A	Z	-1.104	6.25
78	MP2A	Mx	.000233	6.25
79	MP2A	X	0	7.25
80	MP2A	Z	-1.104	7.25
81	MP2A	Mx	.000233	7.25
82	MP2A	X	0	6.25
83	MP2A	Z	-1.104	6.25
84	MP2A	Mx	.000871	6.25
85	MP2A	X	0	7.25
86	MP2A	Z	-1.104	7.25
87	MP2A	Mx	.000871	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	2.56	1.25
2	MP3A	Z	-4.434	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	2.56	3.25
5	MP3A	Z	-4.434	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	3.431	1.25
8	MP3B	Z	-5.943	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	3.431	3.25
11	MP3B	Z	-5.943	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	4.389	1.25
14	MP3C	Z	-7.601	1.25
15	MP3C	Mx	.000913	1.25
16	MP3C	X	4.389	3.25
17	MP3C	Z	-7.601	3.25
18	MP3C	Mx	.000913	3.25
19	MP2A	X	9.054	.25
20	MP2A	Z	-15.683	.25
21	MP2A	Mx	-.015	.25
22	MP2A	X	9.054	4.25
23	MP2A	Z	-15.683	4.25
24	MP2A	Mx	-.015	4.25
25	MP2B	X	11.479	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
26	MP2B	Z	-19.882	.25
27	MP2B	Mx	-.007	.25
28	MP2B	X	11.479	4.25
29	MP2B	Z	-19.882	4.25
30	MP2B	Mx	-.007	4.25
31	MP2C	X	14.142	.25
32	MP2C	Z	-24.494	.25
33	MP2C	Mx	.026	.25
34	MP2C	X	14.142	4.25
35	MP2C	Z	-24.494	4.25
36	MP2C	Mx	.026	4.25
37	MP2A	X	9.054	.25
38	MP2A	Z	-15.683	.25
39	MP2A	Mx	-.000296	.25
40	MP2A	X	9.054	4.25
41	MP2A	Z	-15.683	4.25
42	MP2A	Mx	-.000296	4.25
43	MP2B	X	11.479	.25
44	MP2B	Z	-19.882	.25
45	MP2B	Mx	.022	.25
46	MP2B	X	11.479	4.25
47	MP2B	Z	-19.882	4.25
48	MP2B	Mx	.022	4.25
49	MP2C	X	14.142	.25
50	MP2C	Z	-24.494	.25
51	MP2C	Mx	-.02	.25
52	MP2C	X	14.142	4.25
53	MP2C	Z	-24.494	4.25
54	MP2C	Mx	-.02	4.25
55	MP1A	X	2.921	3
56	MP1A	Z	-5.059	3
57	MP1A	Mx	.003	3
58	MP1B	X	3.31	3
59	MP1B	Z	-5.733	3
60	MP1B	Mx	-.002	3
61	MP1C	X	3.738	3
62	MP1C	Z	-6.474	3
63	MP1C	Mx	-.000777	3
64	MP4A	X	2.592	3
65	MP4A	Z	-4.489	3
66	MP4A	Mx	.002	3
67	MP4B	X	3.129	3
68	MP4B	Z	-5.419	3
69	MP4B	Mx	-.002	3
70	MP4C	X	3.719	3
71	MP4C	Z	-6.441	3
72	MP4C	Mx	-.000773	3
73	OVP	X	7.68	1
74	OVP	Z	-13.302	1
75	OVP	Mx	0	1
76	MP2A	X	.877	6.25
77	MP2A	Z	-1.519	6.25
78	MP2A	Mx	.001	6.25
79	MP2A	X	.877	7.25
80	MP2A	Z	-1.519	7.25
81	MP2A	Mx	.001	7.25
82	MP2A	X	.877	6.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
83	MP2A	Z	-1.519	6.25
84	MP2A	Mx	.002	6.25
85	MP2A	X	.877	7.25
86	MP2A	Z	-1.519	7.25
87	MP2A	Mx	.002	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	3.313	1.25
2	MP3A	Z	-1.913	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	3.313	3.25
5	MP3A	Z	-1.913	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	7.66	1.25
8	MP3B	Z	-4.423	1.25
9	MP3B	Mx	.000768	1.25
10	MP3B	X	7.66	3.25
11	MP3B	Z	-4.423	3.25
12	MP3B	Mx	.000768	3.25
13	MP3C	X	5.788	1.25
14	MP3C	Z	-3.342	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	5.788	3.25
17	MP3C	Z	-3.342	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	12.566	.25
20	MP2A	Z	-7.255	.25
21	MP2A	Mx	-.007	.25
22	MP2A	X	12.566	4.25
23	MP2A	Z	-7.255	4.25
24	MP2A	Mx	-.007	4.25
25	MP2B	X	24.657	.25
26	MP2B	Z	-14.236	.25
27	MP2B	Mx	-.021	.25
28	MP2B	X	24.657	4.25
29	MP2B	Z	-14.236	4.25
30	MP2B	Mx	-.021	4.25
31	MP2C	X	19.451	.25
32	MP2C	Z	-11.23	.25
33	MP2C	Mx	.021	.25
34	MP2C	X	19.451	4.25
35	MP2C	Z	-11.23	4.25
36	MP2C	Mx	.021	4.25
37	MP2A	X	12.566	.25
38	MP2A	Z	-7.255	.25
39	MP2A	Mx	-.007	.25
40	MP2A	X	12.566	4.25
41	MP2A	Z	-7.255	4.25
42	MP2A	Mx	-.007	4.25
43	MP2B	X	24.657	.25
44	MP2B	Z	-14.236	.25
45	MP2B	Mx	.026	.25
46	MP2B	X	24.657	4.25
47	MP2B	Z	-14.236	4.25
48	MP2B	Mx	.026	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
49	MP2C	X	19.451	.25
50	MP2C	Z	-11.23	.25
51	MP2C	Mx	-.006	.25
52	MP2C	X	19.451	4.25
53	MP2C	Z	-11.23	4.25
54	MP2C	Mx	-.006	4.25
55	MP1A	X	4.559	3
56	MP1A	Z	-2.632	3
57	MP1A	Mx	.003	3
58	MP1B	X	6.5	3
59	MP1B	Z	-3.753	3
60	MP1B	Mx	-.000652	3
61	MP1C	X	5.664	3
62	MP1C	Z	-3.27	3
63	MP1C	Mx	-.002	3
64	MP4A	X	3.798	3
65	MP4A	Z	-2.193	3
66	MP4A	Mx	.002	3
67	MP4B	X	6.477	3
68	MP4B	Z	-3.74	3
69	MP4B	Mx	-.00065	3
70	MP4C	X	5.324	3
71	MP4C	Z	-3.074	3
72	MP4C	Mx	-.002	3
73	OVP	X	13.302	1
74	OVP	Z	-7.68	1
75	OVP	Mx	0	1
76	MP2A	X	1.8	6.25
77	MP2A	Z	-1.039	6.25
78	MP2A	Mx	.002	6.25
79	MP2A	X	1.8	7.25
80	MP2A	Z	-1.039	7.25
81	MP2A	Mx	.002	7.25
82	MP2A	X	1.8	6.25
83	MP2A	Z	-1.039	6.25
84	MP2A	Mx	.002	6.25
85	MP2A	X	1.8	7.25
86	MP2A	Z	-1.039	7.25
87	MP2A	Mx	.002	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	5.12	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	5.12	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	8.396	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.001	1.25
10	MP3B	X	8.396	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.001	3.25
13	MP3C	X	4.32	1.25
14	MP3C	Z	0	1.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
15	MP3C	Mx	.002	1.25
16	MP3C	X	4.32	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	18.109	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-.000296	.25
22	MP2A	X	18.109	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	-.000296	4.25
25	MP2B	X	27.222	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.026	.25
28	MP2B	X	27.222	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.026	4.25
31	MP2C	X	15.885	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.012	.25
34	MP2C	X	15.885	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	.012	4.25
37	MP2A	X	18.109	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.015	.25
40	MP2A	X	18.109	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.015	4.25
43	MP2B	X	27.222	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.017	.25
46	MP2B	X	27.222	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.017	4.25
49	MP2C	X	15.885	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	15.885	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.003	4.25
55	MP1A	X	5.842	3
56	MP1A	Z	0	3
57	MP1A	Mx	.003	3
58	MP1B	X	7.305	3
59	MP1B	Z	0	3
60	MP1B	Mx	.001	3
61	MP1C	X	5.485	3
62	MP1C	Z	0	3
63	MP1C	Mx	-.003	3
64	MP4A	X	5.183	3
65	MP4A	Z	0	3
66	MP4A	Mx	.002	3
67	MP4B	X	7.202	3
68	MP4B	Z	0	3
69	MP4B	Mx	.001	3
70	MP4C	X	4.69	3
71	MP4C	Z	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
72	MP4C	Mx	-.002	3
73	OVP	X	13.885	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP2A	X	1.754	6.25
77	MP2A	Z	0	6.25
78	MP2A	Mx	.002	6.25
79	MP2A	X	1.754	7.25
80	MP2A	Z	0	7.25
81	MP2A	Mx	.002	7.25
82	MP2A	X	1.754	6.25
83	MP2A	Z	0	6.25
84	MP2A	Mx	.001	6.25
85	MP2A	X	1.754	7.25
86	MP2A	Z	0	7.25
87	MP2A	Mx	.001	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	6.675	1.25
2	MP3A	Z	3.854	1.25
3	MP3A	Mx	-.002	1.25
4	MP3A	X	6.675	3.25
5	MP3A	Z	3.854	3.25
6	MP3A	Mx	-.002	3.25
7	MP3B	X	5.165	1.25
8	MP3B	Z	2.982	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	5.165	3.25
11	MP3B	Z	2.982	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	3.507	1.25
14	MP3C	Z	2.025	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	3.507	3.25
17	MP3C	Z	2.025	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	21.917	.25
20	MP2A	Z	12.654	.25
21	MP2A	Mx	.012	.25
22	MP2A	X	21.917	4.25
23	MP2A	Z	12.654	4.25
24	MP2A	Mx	.012	4.25
25	MP2B	X	17.717	.25
26	MP2B	Z	10.229	.25
27	MP2B	Mx	-.019	.25
28	MP2B	X	17.717	4.25
29	MP2B	Z	10.229	4.25
30	MP2B	Mx	-.019	4.25
31	MP2C	X	13.105	.25
32	MP2C	Z	7.566	.25
33	MP2C	Mx	.005	.25
34	MP2C	X	13.105	4.25
35	MP2C	Z	7.566	4.25
36	MP2C	Mx	.005	4.25
37	MP2A	X	21.917	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
38	MP2A	Z	12.654	.25
39	MP2A	Mx	-.025	.25
40	MP2A	X	21.917	4.25
41	MP2A	Z	12.654	4.25
42	MP2A	Mx	-.025	4.25
43	MP2B	X	17.717	.25
44	MP2B	Z	10.229	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	17.717	4.25
47	MP2B	Z	10.229	4.25
48	MP2B	Mx	.003	4.25
49	MP2C	X	13.105	.25
50	MP2C	Z	7.566	.25
51	MP2C	Mx	.01	.25
52	MP2C	X	13.105	4.25
53	MP2C	Z	7.566	4.25
54	MP2C	Mx	.01	4.25
55	MP1A	X	6.06	3
56	MP1A	Z	3.499	3
57	MP1A	Mx	.002	3
58	MP1B	X	5.386	3
59	MP1B	Z	3.11	3
60	MP1B	Mx	.002	3
61	MP1C	X	4.645	3
62	MP1C	Z	2.682	3
63	MP1C	Mx	-.003	3
64	MP4A	X	5.87	3
65	MP4A	Z	3.389	3
66	MP4A	Mx	.002	3
67	MP4B	X	4.939	3
68	MP4B	Z	2.852	3
69	MP4B	Mx	.002	3
70	MP4C	X	3.918	3
71	MP4C	Z	2.262	3
72	MP4C	Mx	-.002	3
73	OVP	X	10.748	1
74	OVP	Z	6.205	1
75	OVP	Mx	0	1
76	MP2A	X	.956	6.25
77	MP2A	Z	.552	6.25
78	MP2A	Mx	.000871	6.25
79	MP2A	X	.956	7.25
80	MP2A	Z	.552	7.25
81	MP2A	Mx	.000871	7.25
82	MP2A	X	.956	6.25
83	MP2A	Z	.552	6.25
84	MP2A	Mx	.000233	6.25
85	MP2A	X	.956	7.25
86	MP2A	Z	.552	7.25
87	MP2A	Mx	.000233	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	4.501	1.25
2	MP3A	Z	7.795	1.25
3	MP3A	Mx	0	1.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
4	MP3A	X	4.501	3.25
5	MP3A	Z	7.795	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	1.991	1.25
8	MP3B	Z	3.448	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	1.991	3.25
11	MP3B	Z	3.448	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	3.071	1.25
14	MP3C	Z	5.32	1.25
15	MP3C	Mx	.002	1.25
16	MP3C	X	3.071	3.25
17	MP3C	Z	5.32	3.25
18	MP3C	Mx	.002	3.25
19	MP2A	X	14.453	.25
20	MP2A	Z	25.033	.25
21	MP2A	Mx	.024	.25
22	MP2A	X	14.453	4.25
23	MP2A	Z	25.033	4.25
24	MP2A	Mx	.024	4.25
25	MP2B	X	7.472	.25
26	MP2B	Z	12.942	.25
27	MP2B	Mx	-.01	.25
28	MP2B	X	7.472	4.25
29	MP2B	Z	12.942	4.25
30	MP2B	Mx	-.01	4.25
31	MP2C	X	10.478	.25
32	MP2C	Z	18.148	.25
33	MP2C	Mx	-.004	.25
34	MP2C	X	10.478	4.25
35	MP2C	Z	18.148	4.25
36	MP2C	Mx	-.004	4.25
37	MP2A	X	14.453	.25
38	MP2A	Z	25.033	.25
39	MP2A	Mx	-.024	.25
40	MP2A	X	14.453	4.25
41	MP2A	Z	25.033	4.25
42	MP2A	Mx	-.024	4.25
43	MP2B	X	7.472	.25
44	MP2B	Z	12.942	.25
45	MP2B	Mx	-.005	.25
46	MP2B	X	7.472	4.25
47	MP2B	Z	12.942	4.25
48	MP2B	Mx	-.005	4.25
49	MP2C	X	10.478	.25
50	MP2C	Z	18.148	.25
51	MP2C	Mx	.019	.25
52	MP2C	X	10.478	4.25
53	MP2C	Z	18.148	4.25
54	MP2C	Mx	.019	4.25
55	MP1A	X	3.788	3
56	MP1A	Z	6.56	3
57	MP1A	Mx	0	3
58	MP1B	X	2.667	3
59	MP1B	Z	4.619	3
60	MP1B	Mx	.003	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
61	MP1C	X	3.149	3
62	MP1C	Z	5.455	3
63	MP1C	Mx	-.002	3
64	MP4A	X	3.788	3
65	MP4A	Z	6.56	3
66	MP4A	Mx	0	3
67	MP4B	X	2.241	3
68	MP4B	Z	3.881	3
69	MP4B	Mx	.002	3
70	MP4C	X	2.907	3
71	MP4C	Z	5.035	3
72	MP4C	Mx	-.002	3
73	OVP	X	6.205	1
74	OVP	Z	10.748	1
75	OVP	Mx	0	1
76	MP2A	X	.389	6.25
77	MP2A	Z	.675	6.25
78	MP2A	Mx	.000259	6.25
79	MP2A	X	.389	7.25
80	MP2A	Z	.675	7.25
81	MP2A	Mx	.000259	7.25
82	MP2A	X	.389	6.25
83	MP2A	Z	.675	6.25
84	MP2A	Mx	-.00026	6.25
85	MP2A	X	.389	7.25
86	MP2A	Z	.675	7.25
87	MP2A	Mx	-.00026	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	1.25
2	MP3A	Z	7.707	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	7.707	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	4.431	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	4.431	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	8.507	1.25
15	MP3C	Mx	.001	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	8.507	3.25
18	MP3C	Mx	.001	3.25
19	MP2A	X	0	.25
20	MP2A	Z	25.307	.25
21	MP2A	Mx	.025	.25
22	MP2A	X	0	4.25
23	MP2A	Z	25.307	4.25
24	MP2A	Mx	.025	4.25
25	MP2B	X	0	.25
26	MP2B	Z	16.194	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
27	MP2B	Mx	-.003	.25
28	MP2B	X	0	4.25
29	MP2B	Z	16.194	4.25
30	MP2B	Mx	-.003	4.25
31	MP2C	X	0	.25
32	MP2C	Z	27.531	.25
33	MP2C	Mx	-.018	.25
34	MP2C	X	0	4.25
35	MP2C	Z	27.531	4.25
36	MP2C	Mx	-.018	4.25
37	MP2A	X	0	.25
38	MP2A	Z	25.307	.25
39	MP2A	Mx	-.012	.25
40	MP2A	X	0	4.25
41	MP2A	Z	25.307	4.25
42	MP2A	Mx	-.012	4.25
43	MP2B	X	0	.25
44	MP2B	Z	16.194	.25
45	MP2B	Mx	-.012	.25
46	MP2B	X	0	4.25
47	MP2B	Z	16.194	4.25
48	MP2B	Mx	-.012	4.25
49	MP2C	X	0	.25
50	MP2C	Z	27.531	.25
51	MP2C	Mx	.026	.25
52	MP2C	X	0	4.25
53	MP2C	Z	27.531	4.25
54	MP2C	Mx	.026	4.25
55	MP1A	X	0	3
56	MP1A	Z	6.998	3
57	MP1A	Mx	-.002	3
58	MP1B	X	0	3
59	MP1B	Z	5.534	3
60	MP1B	Mx	.003	3
61	MP1C	X	0	3
62	MP1C	Z	7.355	3
63	MP1C	Mx	-.001	3
64	MP4A	X	0	3
65	MP4A	Z	6.778	3
66	MP4A	Mx	-.002	3
67	MP4B	X	0	3
68	MP4B	Z	4.759	3
69	MP4B	Mx	.002	3
70	MP4C	X	0	3
71	MP4C	Z	7.271	3
72	MP4C	Mx	-.001	3
73	OVP	X	0	1
74	OVP	Z	13.885	1
75	OVP	Mx	0	1
76	MP2A	X	0	6.25
77	MP2A	Z	1.104	6.25
78	MP2A	Mx	-.000233	6.25
79	MP2A	X	0	7.25
80	MP2A	Z	1.104	7.25
81	MP2A	Mx	-.000233	7.25
82	MP2A	X	0	6.25
83	MP2A	Z	1.104	6.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
84	MP2A	Mx	-.000871	6.25
85	MP2A	X	0	7.25
86	MP2A	Z	1.104	7.25
87	MP2A	Mx	-.000871	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-2.56	1.25
2	MP3A	Z	4.434	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-2.56	3.25
5	MP3A	Z	4.434	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-3.431	1.25
8	MP3B	Z	5.943	1.25
9	MP3B	Mx	-.002	1.25
10	MP3B	X	-3.431	3.25
11	MP3B	Z	5.943	3.25
12	MP3B	Mx	-.002	3.25
13	MP3C	X	-4.389	1.25
14	MP3C	Z	7.601	1.25
15	MP3C	Mx	-.000913	1.25
16	MP3C	X	-4.389	3.25
17	MP3C	Z	7.601	3.25
18	MP3C	Mx	-.000913	3.25
19	MP2A	X	-9.054	.25
20	MP2A	Z	15.683	.25
21	MP2A	Mx	.015	.25
22	MP2A	X	-9.054	4.25
23	MP2A	Z	15.683	4.25
24	MP2A	Mx	.015	4.25
25	MP2B	X	-11.479	.25
26	MP2B	Z	19.882	.25
27	MP2B	Mx	.007	.25
28	MP2B	X	-11.479	4.25
29	MP2B	Z	19.882	4.25
30	MP2B	Mx	.007	4.25
31	MP2C	X	-14.142	.25
32	MP2C	Z	24.494	.25
33	MP2C	Mx	-.026	.25
34	MP2C	X	-14.142	4.25
35	MP2C	Z	24.494	4.25
36	MP2C	Mx	-.026	4.25
37	MP2A	X	-9.054	.25
38	MP2A	Z	15.683	.25
39	MP2A	Mx	.000296	.25
40	MP2A	X	-9.054	4.25
41	MP2A	Z	15.683	4.25
42	MP2A	Mx	.000296	4.25
43	MP2B	X	-11.479	.25
44	MP2B	Z	19.882	.25
45	MP2B	Mx	-.022	.25
46	MP2B	X	-11.479	4.25
47	MP2B	Z	19.882	4.25
48	MP2B	Mx	-.022	4.25
49	MP2C	X	-14.142	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
50	MP2C	Z	24.494	.25
51	MP2C	Mx	.02	.25
52	MP2C	X	-14.142	4.25
53	MP2C	Z	24.494	4.25
54	MP2C	Mx	.02	4.25
55	MP1A	X	-2.921	3
56	MP1A	Z	5.059	3
57	MP1A	Mx	-.003	3
58	MP1B	X	-3.31	3
59	MP1B	Z	5.733	3
60	MP1B	Mx	.002	3
61	MP1C	X	-3.738	3
62	MP1C	Z	6.474	3
63	MP1C	Mx	.000777	3
64	MP4A	X	-2.592	3
65	MP4A	Z	4.489	3
66	MP4A	Mx	-.002	3
67	MP4B	X	-3.129	3
68	MP4B	Z	5.419	3
69	MP4B	Mx	.002	3
70	MP4C	X	-3.719	3
71	MP4C	Z	6.441	3
72	MP4C	Mx	.000773	3
73	OVP	X	-7.68	1
74	OVP	Z	13.302	1
75	OVP	Mx	0	1
76	MP2A	X	-.877	6.25
77	MP2A	Z	1.519	6.25
78	MP2A	Mx	-.001	6.25
79	MP2A	X	-.877	7.25
80	MP2A	Z	1.519	7.25
81	MP2A	Mx	-.001	7.25
82	MP2A	X	-.877	6.25
83	MP2A	Z	1.519	6.25
84	MP2A	Mx	-.002	6.25
85	MP2A	X	-.877	7.25
86	MP2A	Z	1.519	7.25
87	MP2A	Mx	-.002	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-3.313	1.25
2	MP3A	Z	1.913	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-3.313	3.25
5	MP3A	Z	1.913	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-7.66	1.25
8	MP3B	Z	4.423	1.25
9	MP3B	Mx	-.000768	1.25
10	MP3B	X	-7.66	3.25
11	MP3B	Z	4.423	3.25
12	MP3B	Mx	-.000768	3.25
13	MP3C	X	-5.788	1.25
14	MP3C	Z	3.342	1.25
15	MP3C	Mx	-.002	1.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
16	MP3C	X	-5.788	3.25
17	MP3C	Z	3.342	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	-12.566	.25
20	MP2A	Z	7.255	.25
21	MP2A	Mx	.007	.25
22	MP2A	X	-12.566	4.25
23	MP2A	Z	7.255	4.25
24	MP2A	Mx	.007	4.25
25	MP2B	X	-24.657	.25
26	MP2B	Z	14.236	.25
27	MP2B	Mx	.021	.25
28	MP2B	X	-24.657	4.25
29	MP2B	Z	14.236	4.25
30	MP2B	Mx	.021	4.25
31	MP2C	X	-19.451	.25
32	MP2C	Z	11.23	.25
33	MP2C	Mx	-.021	.25
34	MP2C	X	-19.451	4.25
35	MP2C	Z	11.23	4.25
36	MP2C	Mx	-.021	4.25
37	MP2A	X	-12.566	.25
38	MP2A	Z	7.255	.25
39	MP2A	Mx	.007	.25
40	MP2A	X	-12.566	4.25
41	MP2A	Z	7.255	4.25
42	MP2A	Mx	.007	4.25
43	MP2B	X	-24.657	.25
44	MP2B	Z	14.236	.25
45	MP2B	Mx	-.026	.25
46	MP2B	X	-24.657	4.25
47	MP2B	Z	14.236	4.25
48	MP2B	Mx	-.026	4.25
49	MP2C	X	-19.451	.25
50	MP2C	Z	11.23	.25
51	MP2C	Mx	.006	.25
52	MP2C	X	-19.451	4.25
53	MP2C	Z	11.23	4.25
54	MP2C	Mx	.006	4.25
55	MP1A	X	-4.559	3
56	MP1A	Z	2.632	3
57	MP1A	Mx	-.003	3
58	MP1B	X	-6.5	3
59	MP1B	Z	3.753	3
60	MP1B	Mx	.000652	3
61	MP1C	X	-5.664	3
62	MP1C	Z	3.27	3
63	MP1C	Mx	.002	3
64	MP4A	X	-3.798	3
65	MP4A	Z	2.193	3
66	MP4A	Mx	-.002	3
67	MP4B	X	-6.477	3
68	MP4B	Z	3.74	3
69	MP4B	Mx	.00065	3
70	MP4C	X	-5.324	3
71	MP4C	Z	3.074	3
72	MP4C	Mx	.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
73	OVP	X	-13.302	1
74	OVP	Z	7.68	1
75	OVP	Mx	0	1
76	MP2A	X	-1.8	6.25
77	MP2A	Z	1.039	6.25
78	MP2A	Mx	-.002	6.25
79	MP2A	X	-1.8	7.25
80	MP2A	Z	1.039	7.25
81	MP2A	Mx	-.002	7.25
82	MP2A	X	-1.8	6.25
83	MP2A	Z	1.039	6.25
84	MP2A	Mx	-.002	6.25
85	MP2A	X	-1.8	7.25
86	MP2A	Z	1.039	7.25
87	MP2A	Mx	-.002	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-5.12	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-5.12	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-8.396	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.001	1.25
10	MP3B	X	-8.396	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.001	3.25
13	MP3C	X	-4.32	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	-4.32	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	-18.109	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	.000296	.25
22	MP2A	X	-18.109	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	.000296	4.25
25	MP2B	X	-27.222	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.026	.25
28	MP2B	X	-27.222	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	.026	4.25
31	MP2C	X	-15.885	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.012	.25
34	MP2C	X	-15.885	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.012	4.25
37	MP2A	X	-18.109	.25
38	MP2A	Z	0	.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
39	MP2A	Mx	.015	.25
40	MP2A	X	-18.109	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.015	4.25
43	MP2B	X	-27.222	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.017	.25
46	MP2B	X	-27.222	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	-.017	4.25
49	MP2C	X	-15.885	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	-15.885	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.003	4.25
55	MP1A	X	-5.842	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.003	3
58	MP1B	X	-7.305	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.001	3
61	MP1C	X	-5.485	3
62	MP1C	Z	0	3
63	MP1C	Mx	.003	3
64	MP4A	X	-5.183	3
65	MP4A	Z	0	3
66	MP4A	Mx	-.002	3
67	MP4B	X	-7.202	3
68	MP4B	Z	0	3
69	MP4B	Mx	-.001	3
70	MP4C	X	-4.69	3
71	MP4C	Z	0	3
72	MP4C	Mx	.002	3
73	OVP	X	-13.885	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP2A	X	-1.754	6.25
77	MP2A	Z	0	6.25
78	MP2A	Mx	-.002	6.25
79	MP2A	X	-1.754	7.25
80	MP2A	Z	0	7.25
81	MP2A	Mx	-.002	7.25
82	MP2A	X	-1.754	6.25
83	MP2A	Z	0	6.25
84	MP2A	Mx	-.001	6.25
85	MP2A	X	-1.754	7.25
86	MP2A	Z	0	7.25
87	MP2A	Mx	-.001	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-6.675	1.25
2	MP3A	Z	-3.854	1.25
3	MP3A	Mx	.002	1.25
4	MP3A	X	-6.675	3.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
5	MP3A	Z	-3.854	3.25
6	MP3A	Mx	.002	3.25
7	MP3B	X	-5.165	1.25
8	MP3B	Z	-2.982	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	-5.165	3.25
11	MP3B	Z	-2.982	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	-3.507	1.25
14	MP3C	Z	-2.025	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	-3.507	3.25
17	MP3C	Z	-2.025	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	-21.917	.25
20	MP2A	Z	-12.654	.25
21	MP2A	Mx	-.012	.25
22	MP2A	X	-21.917	4.25
23	MP2A	Z	-12.654	4.25
24	MP2A	Mx	-.012	4.25
25	MP2B	X	-17.717	.25
26	MP2B	Z	-10.229	.25
27	MP2B	Mx	.019	.25
28	MP2B	X	-17.717	4.25
29	MP2B	Z	-10.229	4.25
30	MP2B	Mx	.019	4.25
31	MP2C	X	-13.105	.25
32	MP2C	Z	-7.566	.25
33	MP2C	Mx	-.005	.25
34	MP2C	X	-13.105	4.25
35	MP2C	Z	-7.566	4.25
36	MP2C	Mx	-.005	4.25
37	MP2A	X	-21.917	.25
38	MP2A	Z	-12.654	.25
39	MP2A	Mx	.025	.25
40	MP2A	X	-21.917	4.25
41	MP2A	Z	-12.654	4.25
42	MP2A	Mx	.025	4.25
43	MP2B	X	-17.717	.25
44	MP2B	Z	-10.229	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	-17.717	4.25
47	MP2B	Z	-10.229	4.25
48	MP2B	Mx	-.003	4.25
49	MP2C	X	-13.105	.25
50	MP2C	Z	-7.566	.25
51	MP2C	Mx	-.01	.25
52	MP2C	X	-13.105	4.25
53	MP2C	Z	-7.566	4.25
54	MP2C	Mx	-.01	4.25
55	MP1A	X	-6.06	3
56	MP1A	Z	-3.499	3
57	MP1A	Mx	-.002	3
58	MP1B	X	-5.386	3
59	MP1B	Z	-3.11	3
60	MP1B	Mx	-.002	3
61	MP1C	X	-4.645	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
62	MP1C	Z	-2.682	3
63	MP1C	Mx	.003	3
64	MP4A	X	-5.87	3
65	MP4A	Z	-3.389	3
66	MP4A	Mx	-.002	3
67	MP4B	X	-4.939	3
68	MP4B	Z	-2.852	3
69	MP4B	Mx	-.002	3
70	MP4C	X	-3.918	3
71	MP4C	Z	-2.262	3
72	MP4C	Mx	.002	3
73	OVP	X	-10.748	1
74	OVP	Z	-6.205	1
75	OVP	Mx	0	1
76	MP2A	X	-.956	6.25
77	MP2A	Z	-.552	6.25
78	MP2A	Mx	-.000871	6.25
79	MP2A	X	-.956	7.25
80	MP2A	Z	-.552	7.25
81	MP2A	Mx	-.000871	7.25
82	MP2A	X	-.956	6.25
83	MP2A	Z	-.552	6.25
84	MP2A	Mx	-.000233	6.25
85	MP2A	X	-.956	7.25
86	MP2A	Z	-.552	7.25
87	MP2A	Mx	-.000233	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-4.501	1.25
2	MP3A	Z	-7.795	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	-4.501	3.25
5	MP3A	Z	-7.795	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	-1.991	1.25
8	MP3B	Z	-3.448	1.25
9	MP3B	Mx	.002	1.25
10	MP3B	X	-1.991	3.25
11	MP3B	Z	-3.448	3.25
12	MP3B	Mx	.002	3.25
13	MP3C	X	-3.071	1.25
14	MP3C	Z	-5.32	1.25
15	MP3C	Mx	-.002	1.25
16	MP3C	X	-3.071	3.25
17	MP3C	Z	-5.32	3.25
18	MP3C	Mx	-.002	3.25
19	MP2A	X	-14.453	.25
20	MP2A	Z	-25.033	.25
21	MP2A	Mx	-.024	.25
22	MP2A	X	-14.453	4.25
23	MP2A	Z	-25.033	4.25
24	MP2A	Mx	-.024	4.25
25	MP2B	X	-7.472	.25
26	MP2B	Z	-12.942	.25
27	MP2B	Mx	.01	.25



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

	Member Label	Direction	Magnitude(lb.k-ft)	Location(ft.%)
28	MP2B	X	-7.472	4.25
29	MP2B	Z	-12.942	4.25
30	MP2B	Mx	.01	4.25
31	MP2C	X	-10.478	.25
32	MP2C	Z	-18.148	.25
33	MP2C	Mx	.004	.25
34	MP2C	X	-10.478	4.25
35	MP2C	Z	-18.148	4.25
36	MP2C	Mx	.004	4.25
37	MP2A	X	-14.453	.25
38	MP2A	Z	-25.033	.25
39	MP2A	Mx	.024	.25
40	MP2A	X	-14.453	4.25
41	MP2A	Z	-25.033	4.25
42	MP2A	Mx	.024	4.25
43	MP2B	X	-7.472	.25
44	MP2B	Z	-12.942	.25
45	MP2B	Mx	.005	.25
46	MP2B	X	-7.472	4.25
47	MP2B	Z	-12.942	4.25
48	MP2B	Mx	.005	4.25
49	MP2C	X	-10.478	.25
50	MP2C	Z	-18.148	.25
51	MP2C	Mx	-.019	.25
52	MP2C	X	-10.478	4.25
53	MP2C	Z	-18.148	4.25
54	MP2C	Mx	-.019	4.25
55	MP1A	X	-3.788	3
56	MP1A	Z	-6.56	3
57	MP1A	Mx	0	3
58	MP1B	X	-2.667	3
59	MP1B	Z	-4.619	3
60	MP1B	Mx	-.003	3
61	MP1C	X	-3.149	3
62	MP1C	Z	-5.455	3
63	MP1C	Mx	.002	3
64	MP4A	X	-3.788	3
65	MP4A	Z	-6.56	3
66	MP4A	Mx	0	3
67	MP4B	X	-2.241	3
68	MP4B	Z	-3.881	3
69	MP4B	Mx	-.002	3
70	MP4C	X	-2.907	3
71	MP4C	Z	-5.035	3
72	MP4C	Mx	.002	3
73	OVP	X	-6.205	1
74	OVP	Z	-10.748	1
75	OVP	Mx	0	1
76	MP2A	X	-.389	6.25
77	MP2A	Z	-.675	6.25
78	MP2A	Mx	-.000259	6.25
79	MP2A	X	-.389	7.25
80	MP2A	Z	-.675	7.25
81	MP2A	Mx	-.000259	7.25
82	MP2A	X	-.389	6.25
83	MP2A	Z	-.675	6.25
84	MP2A	Mx	.00026	6.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
85	MP2A	X	-389	7.25
86	MP2A	Z	-675	7.25
87	MP2A	Mx	.00026	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	0	1.25
2	MP3A	Z	-3.135	1.25
3	MP3A	Mx	-.000784	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	-3.135	3.25
6	MP3A	Mx	-.000784	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	-1.579	1.25
9	MP3B	Mx	.000742	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	-1.579	3.25
12	MP3B	Mx	.000742	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	-3.515	1.25
15	MP3C	Mx	-.000543	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	-3.515	3.25
18	MP3C	Mx	-.000543	3.25
19	MP2A	X	0	.25
20	MP2A	Z	-11.535	.25
21	MP2A	Mx	-.011	.25
22	MP2A	X	0	4.25
23	MP2A	Z	-11.535	4.25
24	MP2A	Mx	-.011	4.25
25	MP2B	X	0	.25
26	MP2B	Z	-4.366	.25
27	MP2B	Mx	.000807	.25
28	MP2B	X	0	4.25
29	MP2B	Z	-4.366	4.25
30	MP2B	Mx	.000807	4.25
31	MP2C	X	0	.25
32	MP2C	Z	-13.285	.25
33	MP2C	Mx	.008	.25
34	MP2C	X	0	4.25
35	MP2C	Z	-13.285	4.25
36	MP2C	Mx	.008	4.25
37	MP2A	X	0	.25
38	MP2A	Z	-11.535	.25
39	MP2A	Mx	.005	.25
40	MP2A	X	0	4.25
41	MP2A	Z	-11.535	4.25
42	MP2A	Mx	.005	4.25
43	MP2B	X	0	.25
44	MP2B	Z	-4.366	.25
45	MP2B	Mx	.003	.25
46	MP2B	X	0	4.25
47	MP2B	Z	-4.366	4.25
48	MP2B	Mx	.003	4.25
49	MP2C	X	0	.25
50	MP2C	Z	-13.285	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
51	MP2C	Mx	-.013	.25
52	MP2C	X	0	4.25
53	MP2C	Z	-13.285	4.25
54	MP2C	Mx	-.013	4.25
55	MP1A	X	0	3
56	MP1A	Z	-2.721	3
57	MP1A	Mx	.00068	3
58	MP1B	X	0	3
59	MP1B	Z	-2.104	3
60	MP1B	Mx	-.000989	3
61	MP1C	X	0	3
62	MP1C	Z	-2.872	3
63	MP1C	Mx	.000444	3
64	MP4A	X	0	3
65	MP4A	Z	-2.63	3
66	MP4A	Mx	.000658	3
67	MP4B	X	0	3
68	MP4B	Z	-1.783	3
69	MP4B	Mx	-.000838	3
70	MP4C	X	0	3
71	MP4C	Z	-2.837	3
72	MP4C	Mx	.000438	3
73	OVP	X	0	1
74	OVP	Z	-5.337	1
75	OVP	Mx	0	1
76	MP2A	X	0	6.25
77	MP2A	Z	-.919	6.25
78	MP2A	Mx	.000194	6.25
79	MP2A	X	0	7.25
80	MP2A	Z	-.919	7.25
81	MP2A	Mx	.000194	7.25
82	MP2A	X	0	6.25
83	MP2A	Z	-.919	6.25
84	MP2A	Mx	.000725	6.25
85	MP2A	X	0	7.25
86	MP2A	Z	-.919	7.25
87	MP2A	Mx	.000725	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	.953	1.25
2	MP3A	Z	-1.65	1.25
3	MP3A	Mx	-.000825	1.25
4	MP3A	X	.953	3.25
5	MP3A	Z	-1.65	3.25
6	MP3A	Mx	-.000825	3.25
7	MP3B	X	1.367	1.25
8	MP3B	Z	-2.367	1.25
9	MP3B	Mx	.000878	1.25
10	MP3B	X	1.367	3.25
11	MP3B	Z	-2.367	3.25
12	MP3B	Mx	.000878	3.25
13	MP3C	X	1.822	1.25
14	MP3C	Z	-3.155	1.25
15	MP3C	Mx	.000379	1.25
16	MP3C	X	1.822	3.25



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

	Member Label	Direction	Magnitude[lb. k-ft]	Location[ft. %]
17	MP3C	Z	-3.155	3.25
18	MP3C	Mx	.000379	3.25
19	MP2A	X	2.936	.25
20	MP2A	Z	-5.086	.25
21	MP2A	Mx	-.005	.25
22	MP2A	X	2.936	4.25
23	MP2A	Z	-5.086	4.25
24	MP2A	Mx	-.005	4.25
25	MP2B	X	4.843	.25
26	MP2B	Z	-8.389	.25
27	MP2B	Mx	-.003	.25
28	MP2B	X	4.843	4.25
29	MP2B	Z	-8.389	4.25
30	MP2B	Mx	-.003	4.25
31	MP2C	X	6.938	.25
32	MP2C	Z	-12.017	.25
33	MP2C	Mx	.013	.25
34	MP2C	X	6.938	4.25
35	MP2C	Z	-12.017	4.25
36	MP2C	Mx	.013	4.25
37	MP2A	X	2.936	.25
38	MP2A	Z	-5.086	.25
39	MP2A	Mx	-9.6e-5	.25
40	MP2A	X	2.936	4.25
41	MP2A	Z	-5.086	4.25
42	MP2A	Mx	-9.6e-5	4.25
43	MP2B	X	4.843	.25
44	MP2B	Z	-8.389	.25
45	MP2B	Mx	.009	.25
46	MP2B	X	4.843	4.25
47	MP2B	Z	-8.389	4.25
48	MP2B	Mx	.009	4.25
49	MP2C	X	6.938	.25
50	MP2C	Z	-12.017	.25
51	MP2C	Mx	-.01	.25
52	MP2C	X	6.938	4.25
53	MP2C	Z	-12.017	4.25
54	MP2C	Mx	-.01	4.25
55	MP1A	X	1.117	3
56	MP1A	Z	-1.934	3
57	MP1A	Mx	.000967	3
58	MP1B	X	1.281	3
59	MP1B	Z	-2.219	3
60	MP1B	Mx	-.000824	3
61	MP1C	X	1.461	3
62	MP1C	Z	-2.531	3
63	MP1C	Mx	-.000304	3
64	MP4A	X	.98	3
65	MP4A	Z	-1.698	3
66	MP4A	Mx	.000849	3
67	MP4B	X	1.206	3
68	MP4B	Z	-2.089	3
69	MP4B	Mx	-.000775	3
70	MP4C	X	1.454	3
71	MP4C	Z	-2.518	3
72	MP4C	Mx	-.000302	3
73	OVP	X	2.983	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
74	OVP	Z	-5.167	1
75	OVP	Mx	0	1
76	MP2A	X	.46	6.25
77	MP2A	Z	-.797	6.25
78	MP2A	Mx	.000643	6.25
79	MP2A	X	.46	7.25
80	MP2A	Z	-.797	7.25
81	MP2A	Mx	.000643	7.25
82	MP2A	X	.46	6.25
83	MP2A	Z	-.797	6.25
84	MP2A	Mx	.00095	6.25
85	MP2A	X	.46	7.25
86	MP2A	Z	-.797	7.25
87	MP2A	Mx	.00095	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	1.118	1.25
2	MP3A	Z	-.646	1.25
3	MP3A	Mx	-.000646	1.25
4	MP3A	X	1.118	3.25
5	MP3A	Z	-.646	3.25
6	MP3A	Mx	-.000646	3.25
7	MP3B	X	3.183	1.25
8	MP3B	Z	-1.838	1.25
9	MP3B	Mx	.000319	1.25
10	MP3B	X	3.183	3.25
11	MP3B	Z	-1.838	3.25
12	MP3B	Mx	.000319	3.25
13	MP3C	X	2.294	1.25
14	MP3C	Z	-1.324	1.25
15	MP3C	Mx	.000886	1.25
16	MP3C	X	2.294	3.25
17	MP3C	Z	-1.324	3.25
18	MP3C	Mx	.000886	3.25
19	MP2A	X	2.634	.25
20	MP2A	Z	-1.521	.25
21	MP2A	Mx	-.002	.25
22	MP2A	X	2.634	4.25
23	MP2A	Z	-1.521	4.25
24	MP2A	Mx	-.002	4.25
25	MP2B	X	12.146	.25
26	MP2B	Z	-7.012	.25
27	MP2B	Mx	-.01	.25
28	MP2B	X	12.146	4.25
29	MP2B	Z	-7.012	4.25
30	MP2B	Mx	-.01	4.25
31	MP2C	X	8.05	.25
32	MP2C	Z	-4.648	.25
33	MP2C	Mx	.009	.25
34	MP2C	X	8.05	4.25
35	MP2C	Z	-4.648	4.25
36	MP2C	Mx	.009	4.25
37	MP2A	X	2.634	.25
38	MP2A	Z	-1.521	.25
39	MP2A	Mx	-.002	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
40	MP2A	X	2.634	4.25
41	MP2A	Z	-1.521	4.25
42	MP2A	Mx	-.002	4.25
43	MP2B	X	12.146	.25
44	MP2B	Z	-7.012	.25
45	MP2B	Mx	.013	.25
46	MP2B	X	12.146	4.25
47	MP2B	Z	-7.012	4.25
48	MP2B	Mx	.013	4.25
49	MP2C	X	8.05	.25
50	MP2C	Z	-4.648	.25
51	MP2C	Mx	-.003	.25
52	MP2C	X	8.05	4.25
53	MP2C	Z	-4.648	4.25
54	MP2C	Mx	-.003	4.25
55	MP1A	X	1.723	3
56	MP1A	Z	-.995	3
57	MP1A	Mx	.000995	3
58	MP1B	X	2.542	3
59	MP1B	Z	-1.468	3
60	MP1B	Mx	-.000255	3
61	MP1C	X	2.189	3
62	MP1C	Z	-1.264	3
63	MP1C	Mx	-.000846	3
64	MP4A	X	1.408	3
65	MP4A	Z	-.813	3
66	MP4A	Mx	.000813	3
67	MP4B	X	2.533	3
68	MP4B	Z	-1.462	3
69	MP4B	Mx	-.000254	3
70	MP4C	X	2.049	3
71	MP4C	Z	-1.183	3
72	MP4C	Mx	-.000792	3
73	OVP	X	5.167	1
74	OVP	Z	-2.983	1
75	OVP	Mx	0	1
76	MP2A	X	.798	6.25
77	MP2A	Z	-.46	6.25
78	MP2A	Mx	.000921	6.25
79	MP2A	X	.798	7.25
80	MP2A	Z	-.46	7.25
81	MP2A	Mx	.000921	7.25
82	MP2A	X	.798	6.25
83	MP2A	Z	-.46	6.25
84	MP2A	Mx	.000921	6.25
85	MP2A	X	.798	7.25
86	MP2A	Z	-.46	7.25
87	MP2A	Mx	.000921	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	1.906	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	-.000825	1.25
4	MP3A	X	1.906	3.25
5	MP3A	Z	0	3.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
6	MP3A	Mx	-.000825	3.25
7	MP3B	X	3.462	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	-.000592	1.25
10	MP3B	X	3.462	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	-.000592	3.25
13	MP3C	X	1.526	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	.000726	1.25
16	MP3C	X	1.526	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	.000726	3.25
19	MP2A	X	5.873	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	-9.6e-5	.25
22	MP2A	X	5.873	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	-9.6e-5	4.25
25	MP2B	X	13.041	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	-.012	.25
28	MP2B	X	13.041	4.25
29	MP2B	Z	0	4.25
30	MP2B	Mx	-.012	4.25
31	MP2C	X	4.123	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	.003	.25
34	MP2C	X	4.123	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	.003	4.25
37	MP2A	X	5.873	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	-.005	.25
40	MP2A	X	5.873	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	-.005	4.25
43	MP2B	X	13.041	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	.008	.25
46	MP2B	X	13.041	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	.008	4.25
49	MP2C	X	4.123	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	.000899	.25
52	MP2C	X	4.123	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	.000899	4.25
55	MP1A	X	2.233	3
56	MP1A	Z	0	3
57	MP1A	Mx	.000967	3
58	MP1B	X	2.851	3
59	MP1B	Z	0	3
60	MP1B	Mx	.000488	3
61	MP1C	X	2.083	3
62	MP1C	Z	0	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
63	MP1C	Mx	-.000991	3
64	MP4A	X	1.961	3
65	MP4A	Z	0	3
66	MP4A	Mx	.000849	3
67	MP4B	X	2.808	3
68	MP4B	Z	0	3
69	MP4B	Mx	.00048	3
70	MP4C	X	1.754	3
71	MP4C	Z	0	3
72	MP4C	Mx	-.000834	3
73	OVP	X	5.337	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP2A	X	.92	6.25
77	MP2A	Z	0	6.25
78	MP2A	Mx	.00095	6.25
79	MP2A	X	.92	7.25
80	MP2A	Z	0	7.25
81	MP2A	Mx	.00095	7.25
82	MP2A	X	.92	6.25
83	MP2A	Z	0	6.25
84	MP2A	Mx	.000643	6.25
85	MP2A	X	.92	7.25
86	MP2A	Z	0	7.25
87	MP2A	Mx	.000643	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	2.715	1.25
2	MP3A	Z	1.567	1.25
3	MP3A	Mx	-.000784	1.25
4	MP3A	X	2.715	3.25
5	MP3A	Z	1.567	3.25
6	MP3A	Mx	-.000784	3.25
7	MP3B	X	1.998	1.25
8	MP3B	Z	1.153	1.25
9	MP3B	Mx	-.000883	1.25
10	MP3B	X	1.998	3.25
11	MP3B	Z	1.153	3.25
12	MP3B	Mx	-.000883	3.25
13	MP3C	X	1.21	1.25
14	MP3C	Z	.699	1.25
15	MP3C	Mx	.000683	1.25
16	MP3C	X	1.21	3.25
17	MP3C	Z	.699	3.25
18	MP3C	Mx	.000683	3.25
19	MP2A	X	9.989	.25
20	MP2A	Z	5.767	.25
21	MP2A	Mx	.005	.25
22	MP2A	X	9.989	4.25
23	MP2A	Z	5.767	4.25
24	MP2A	Mx	.005	4.25
25	MP2B	X	6.686	.25
26	MP2B	Z	3.86	.25
27	MP2B	Mx	-.007	.25
28	MP2B	X	6.686	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
29	MP2B	Z	3.86	4.25
30	MP2B	Mx	-.007	4.25
31	MP2C	X	3.058	.25
32	MP2C	Z	1.766	.25
33	MP2C	Mx	.001	.25
34	MP2C	X	3.058	4.25
35	MP2C	Z	1.766	4.25
36	MP2C	Mx	.001	4.25
37	MP2A	X	9.989	.25
38	MP2A	Z	5.767	.25
39	MP2A	Mx	-.011	.25
40	MP2A	X	9.989	4.25
41	MP2A	Z	5.767	4.25
42	MP2A	Mx	-.011	4.25
43	MP2B	X	6.686	.25
44	MP2B	Z	3.86	.25
45	MP2B	Mx	.001	.25
46	MP2B	X	6.686	4.25
47	MP2B	Z	3.86	4.25
48	MP2B	Mx	.001	4.25
49	MP2C	X	3.058	.25
50	MP2C	Z	1.766	.25
51	MP2C	Mx	.002	.25
52	MP2C	X	3.058	4.25
53	MP2C	Z	1.766	4.25
54	MP2C	Mx	.002	4.25
55	MP1A	X	2.357	3
56	MP1A	Z	1.361	3
57	MP1A	Mx	.00068	3
58	MP1B	X	2.072	3
59	MP1B	Z	1.196	3
60	MP1B	Mx	.000916	3
61	MP1C	X	1.759	3
62	MP1C	Z	1.016	3
63	MP1C	Mx	-.000993	3
64	MP4A	X	2.278	3
65	MP4A	Z	1.315	3
66	MP4A	Mx	.000658	3
67	MP4B	X	1.887	3
68	MP4B	Z	1.09	3
69	MP4B	Mx	.000835	3
70	MP4C	X	1.458	3
71	MP4C	Z	.842	3
72	MP4C	Mx	-.000823	3
73	OVP	X	4.077	1
74	OVP	Z	2.354	1
75	OVP	Mx	0	1
76	MP2A	X	.796	6.25
77	MP2A	Z	.459	6.25
78	MP2A	Mx	.000725	6.25
79	MP2A	X	.796	7.25
80	MP2A	Z	.459	7.25
81	MP2A	Mx	.000725	7.25
82	MP2A	X	.796	6.25
83	MP2A	Z	.459	6.25
84	MP2A	Mx	.000195	6.25
85	MP2A	X	.796	7.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
86	MP2A	Z	.459	7.25
87	MP2A	Mx	.000195	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	1.875	1.25
2	MP3A	Z	3.247	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	1.875	3.25
5	MP3A	Z	3.247	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	.683	1.25
8	MP3B	Z	1.182	1.25
9	MP3B	Mx	-.000672	1.25
10	MP3B	X	.683	3.25
11	MP3B	Z	1.182	3.25
12	MP3B	Mx	-.000672	3.25
13	MP3C	X	1.196	1.25
14	MP3C	Z	2.071	1.25
15	MP3C	Mx	.000889	1.25
16	MP3C	X	1.196	3.25
17	MP3C	Z	2.071	3.25
18	MP3C	Mx	.000889	3.25
19	MP2A	X	7.183	.25
20	MP2A	Z	12.441	.25
21	MP2A	Mx	.012	.25
22	MP2A	X	7.183	4.25
23	MP2A	Z	12.441	4.25
24	MP2A	Mx	.012	4.25
25	MP2B	X	1.691	.25
26	MP2B	Z	2.93	.25
27	MP2B	Mx	-.002	.25
28	MP2B	X	1.691	4.25
29	MP2B	Z	2.93	4.25
30	MP2B	Mx	-.002	4.25
31	MP2C	X	4.056	.25
32	MP2C	Z	7.025	.25
33	MP2C	Mx	-.002	.25
34	MP2C	X	4.056	4.25
35	MP2C	Z	7.025	4.25
36	MP2C	Mx	-.002	4.25
37	MP2A	X	7.183	.25
38	MP2A	Z	12.441	.25
39	MP2A	Mx	-.012	.25
40	MP2A	X	7.183	4.25
41	MP2A	Z	12.441	4.25
42	MP2A	Mx	-.012	4.25
43	MP2B	X	1.691	.25
44	MP2B	Z	2.93	.25
45	MP2B	Mx	-.001	.25
46	MP2B	X	1.691	4.25
47	MP2B	Z	2.93	4.25
48	MP2B	Mx	-.001	4.25
49	MP2C	X	4.056	.25
50	MP2C	Z	7.025	.25
51	MP2C	Mx	.008	.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
52	MP2C	X	4.056	4.25
53	MP2C	Z	7.025	4.25
54	MP2C	Mx	.008	4.25
55	MP1A	X	1.482	3
56	MP1A	Z	2.568	3
57	MP1A	Mx	0	3
58	MP1B	X	1.009	3
59	MP1B	Z	1.748	3
60	MP1B	Mx	.000994	3
61	MP1C	X	1.213	3
62	MP1C	Z	2.101	3
63	MP1C	Mx	-.000901	3
64	MP4A	X	1.482	3
65	MP4A	Z	2.568	3
66	MP4A	Mx	0	3
67	MP4B	X	.833	3
68	MP4B	Z	1.443	3
69	MP4B	Mx	.00082	3
70	MP4C	X	1.113	3
71	MP4C	Z	1.927	3
72	MP4C	Mx	-.000827	3
73	OVP	X	2.354	1
74	OVP	Z	4.077	1
75	OVP	Mx	0	1
76	MP2A	X	.459	6.25
77	MP2A	Z	.795	6.25
78	MP2A	Mx	.000306	6.25
79	MP2A	X	.459	7.25
80	MP2A	Z	.795	7.25
81	MP2A	Mx	.000306	7.25
82	MP2A	X	.459	6.25
83	MP2A	Z	.795	6.25
84	MP2A	Mx	-.000306	6.25
85	MP2A	X	.459	7.25
86	MP2A	Z	.795	7.25
87	MP2A	Mx	-.000306	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	0	1.25
2	MP3A	Z	3.135	1.25
3	MP3A	Mx	.000784	1.25
4	MP3A	X	0	3.25
5	MP3A	Z	3.135	3.25
6	MP3A	Mx	.000784	3.25
7	MP3B	X	0	1.25
8	MP3B	Z	1.579	1.25
9	MP3B	Mx	-.000742	1.25
10	MP3B	X	0	3.25
11	MP3B	Z	1.579	3.25
12	MP3B	Mx	-.000742	3.25
13	MP3C	X	0	1.25
14	MP3C	Z	3.515	1.25
15	MP3C	Mx	.000543	1.25
16	MP3C	X	0	3.25
17	MP3C	Z	3.515	3.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft,%]
18	MP3C	Mx	.000543	3.25
19	MP2A	X	0	.25
20	MP2A	Z	11.535	.25
21	MP2A	Mx	.011	.25
22	MP2A	X	0	4.25
23	MP2A	Z	11.535	4.25
24	MP2A	Mx	.011	4.25
25	MP2B	X	0	.25
26	MP2B	Z	4.366	.25
27	MP2B	Mx	-.000807	.25
28	MP2B	X	0	4.25
29	MP2B	Z	4.366	4.25
30	MP2B	Mx	-.000807	4.25
31	MP2C	X	0	.25
32	MP2C	Z	13.285	.25
33	MP2C	Mx	-.008	.25
34	MP2C	X	0	4.25
35	MP2C	Z	13.285	4.25
36	MP2C	Mx	-.008	4.25
37	MP2A	X	0	.25
38	MP2A	Z	11.535	.25
39	MP2A	Mx	-.005	.25
40	MP2A	X	0	4.25
41	MP2A	Z	11.535	4.25
42	MP2A	Mx	-.005	4.25
43	MP2B	X	0	.25
44	MP2B	Z	4.366	.25
45	MP2B	Mx	-.003	.25
46	MP2B	X	0	4.25
47	MP2B	Z	4.366	4.25
48	MP2B	Mx	-.003	4.25
49	MP2C	X	0	.25
50	MP2C	Z	13.285	.25
51	MP2C	Mx	.013	.25
52	MP2C	X	0	4.25
53	MP2C	Z	13.285	4.25
54	MP2C	Mx	.013	4.25
55	MP1A	X	0	3
56	MP1A	Z	2.721	3
57	MP1A	Mx	-.00068	3
58	MP1B	X	0	3
59	MP1B	Z	2.104	3
60	MP1B	Mx	.000989	3
61	MP1C	X	0	3
62	MP1C	Z	2.872	3
63	MP1C	Mx	-.000444	3
64	MP4A	X	0	3
65	MP4A	Z	2.63	3
66	MP4A	Mx	-.000658	3
67	MP4B	X	0	3
68	MP4B	Z	1.783	3
69	MP4B	Mx	.000838	3
70	MP4C	X	0	3
71	MP4C	Z	2.837	3
72	MP4C	Mx	-.000438	3
73	OVP	X	0	1
74	OVP	Z	5.337	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
75	OVP	Mx	0	1
76	MP2A	X	0	6.25
77	MP2A	Z	.919	6.25
78	MP2A	Mx	-.000194	6.25
79	MP2A	X	0	7.25
80	MP2A	Z	.919	7.25
81	MP2A	Mx	-.000194	7.25
82	MP2A	X	0	6.25
83	MP2A	Z	.919	6.25
84	MP2A	Mx	-.000725	6.25
85	MP2A	X	0	7.25
86	MP2A	Z	.919	7.25
87	MP2A	Mx	-.000725	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-.953	1.25
2	MP3A	Z	1.65	1.25
3	MP3A	Mx	.000825	1.25
4	MP3A	X	-.953	3.25
5	MP3A	Z	1.65	3.25
6	MP3A	Mx	.000825	3.25
7	MP3B	X	-1.367	1.25
8	MP3B	Z	2.367	1.25
9	MP3B	Mx	-.000878	1.25
10	MP3B	X	-1.367	3.25
11	MP3B	Z	2.367	3.25
12	MP3B	Mx	-.000878	3.25
13	MP3C	X	-1.822	1.25
14	MP3C	Z	3.155	1.25
15	MP3C	Mx	-.000379	1.25
16	MP3C	X	-1.822	3.25
17	MP3C	Z	3.155	3.25
18	MP3C	Mx	-.000379	3.25
19	MP2A	X	-2.936	.25
20	MP2A	Z	5.086	.25
21	MP2A	Mx	.005	.25
22	MP2A	X	-2.936	4.25
23	MP2A	Z	5.086	4.25
24	MP2A	Mx	.005	4.25
25	MP2B	X	-4.843	.25
26	MP2B	Z	8.389	.25
27	MP2B	Mx	.003	.25
28	MP2B	X	-4.843	4.25
29	MP2B	Z	8.389	4.25
30	MP2B	Mx	.003	4.25
31	MP2C	X	-6.938	.25
32	MP2C	Z	12.017	.25
33	MP2C	Mx	-.013	.25
34	MP2C	X	-6.938	4.25
35	MP2C	Z	12.017	4.25
36	MP2C	Mx	-.013	4.25
37	MP2A	X	-2.936	.25
38	MP2A	Z	5.086	.25
39	MP2A	Mx	9.6e-5	.25
40	MP2A	X	-2.936	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
41	MP2A	Z	5.086	4.25
42	MP2A	Mx	9.6e-5	4.25
43	MP2B	X	-4.843	.25
44	MP2B	Z	8.389	.25
45	MP2B	Mx	-.009	.25
46	MP2B	X	-4.843	4.25
47	MP2B	Z	8.389	4.25
48	MP2B	Mx	-.009	4.25
49	MP2C	X	-6.938	.25
50	MP2C	Z	12.017	.25
51	MP2C	Mx	.01	.25
52	MP2C	X	-6.938	4.25
53	MP2C	Z	12.017	4.25
54	MP2C	Mx	.01	4.25
55	MP1A	X	-1.117	3
56	MP1A	Z	1.934	3
57	MP1A	Mx	-.000967	3
58	MP1B	X	-1.281	3
59	MP1B	Z	2.219	3
60	MP1B	Mx	.000824	3
61	MP1C	X	-1.461	3
62	MP1C	Z	2.531	3
63	MP1C	Mx	.000304	3
64	MP4A	X	-.98	3
65	MP4A	Z	1.698	3
66	MP4A	Mx	-.000849	3
67	MP4B	X	-1.206	3
68	MP4B	Z	2.089	3
69	MP4B	Mx	.000775	3
70	MP4C	X	-1.454	3
71	MP4C	Z	2.518	3
72	MP4C	Mx	.000302	3
73	OVP	X	-2.983	1
74	OVP	Z	5.167	1
75	OVP	Mx	0	1
76	MP2A	X	-.46	6.25
77	MP2A	Z	.797	6.25
78	MP2A	Mx	-.000643	6.25
79	MP2A	X	-.46	7.25
80	MP2A	Z	.797	7.25
81	MP2A	Mx	-.000643	7.25
82	MP2A	X	-.46	6.25
83	MP2A	Z	.797	6.25
84	MP2A	Mx	-.00095	6.25
85	MP2A	X	-.46	7.25
86	MP2A	Z	.797	7.25
87	MP2A	Mx	-.00095	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-1.118	1.25
2	MP3A	Z	.646	1.25
3	MP3A	Mx	.000646	1.25
4	MP3A	X	-1.118	3.25
5	MP3A	Z	.646	3.25
6	MP3A	Mx	.000646	3.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
7	MP3B	X	-3.183	1.25
8	MP3B	Z	1.838	1.25
9	MP3B	Mx	-0.00319	1.25
10	MP3B	X	-3.183	3.25
11	MP3B	Z	1.838	3.25
12	MP3B	Mx	-0.00319	3.25
13	MP3C	X	-2.294	1.25
14	MP3C	Z	1.324	1.25
15	MP3C	Mx	-0.000886	1.25
16	MP3C	X	-2.294	3.25
17	MP3C	Z	1.324	3.25
18	MP3C	Mx	-0.000886	3.25
19	MP2A	X	-2.634	.25
20	MP2A	Z	1.521	.25
21	MP2A	Mx	.002	.25
22	MP2A	X	-2.634	4.25
23	MP2A	Z	1.521	4.25
24	MP2A	Mx	.002	4.25
25	MP2B	X	-12.146	.25
26	MP2B	Z	7.012	.25
27	MP2B	Mx	.01	.25
28	MP2B	X	-12.146	4.25
29	MP2B	Z	7.012	4.25
30	MP2B	Mx	.01	4.25
31	MP2C	X	-8.05	.25
32	MP2C	Z	4.648	.25
33	MP2C	Mx	-0.009	.25
34	MP2C	X	-8.05	4.25
35	MP2C	Z	4.648	4.25
36	MP2C	Mx	-0.009	4.25
37	MP2A	X	-2.634	.25
38	MP2A	Z	1.521	.25
39	MP2A	Mx	.002	.25
40	MP2A	X	-2.634	4.25
41	MP2A	Z	1.521	4.25
42	MP2A	Mx	.002	4.25
43	MP2B	X	-12.146	.25
44	MP2B	Z	7.012	.25
45	MP2B	Mx	-.013	.25
46	MP2B	X	-12.146	4.25
47	MP2B	Z	7.012	4.25
48	MP2B	Mx	-.013	4.25
49	MP2C	X	-8.05	.25
50	MP2C	Z	4.648	.25
51	MP2C	Mx	.003	.25
52	MP2C	X	-8.05	4.25
53	MP2C	Z	4.648	4.25
54	MP2C	Mx	.003	4.25
55	MP1A	X	-1.723	3
56	MP1A	Z	.995	3
57	MP1A	Mx	-0.000995	3
58	MP1B	X	-2.542	3
59	MP1B	Z	1.468	3
60	MP1B	Mx	.000255	3
61	MP1C	X	-2.189	3
62	MP1C	Z	1.264	3
63	MP1C	Mx	.000846	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
64	MP4A	X	-1.408	3
65	MP4A	Z	.813	3
66	MP4A	Mx	-.000813	3
67	MP4B	X	-2.533	3
68	MP4B	Z	1.462	3
69	MP4B	Mx	.000254	3
70	MP4C	X	-2.049	3
71	MP4C	Z	1.183	3
72	MP4C	Mx	.000792	3
73	OVP	X	-5.167	1
74	OVP	Z	2.983	1
75	OVP	Mx	0	1
76	MP2A	X	-.798	6.25
77	MP2A	Z	.46	6.25
78	MP2A	Mx	-.000921	6.25
79	MP2A	X	-.798	7.25
80	MP2A	Z	.46	7.25
81	MP2A	Mx	-.000921	7.25
82	MP2A	X	-.798	6.25
83	MP2A	Z	.46	6.25
84	MP2A	Mx	-.000921	6.25
85	MP2A	X	-.798	7.25
86	MP2A	Z	.46	7.25
87	MP2A	Mx	-.000921	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.906	1.25
2	MP3A	Z	0	1.25
3	MP3A	Mx	.000825	1.25
4	MP3A	X	-1.906	3.25
5	MP3A	Z	0	3.25
6	MP3A	Mx	.000825	3.25
7	MP3B	X	-3.462	1.25
8	MP3B	Z	0	1.25
9	MP3B	Mx	.000592	1.25
10	MP3B	X	-3.462	3.25
11	MP3B	Z	0	3.25
12	MP3B	Mx	.000592	3.25
13	MP3C	X	-1.526	1.25
14	MP3C	Z	0	1.25
15	MP3C	Mx	-.000726	1.25
16	MP3C	X	-1.526	3.25
17	MP3C	Z	0	3.25
18	MP3C	Mx	-.000726	3.25
19	MP2A	X	-5.873	.25
20	MP2A	Z	0	.25
21	MP2A	Mx	9.6e-5	.25
22	MP2A	X	-5.873	4.25
23	MP2A	Z	0	4.25
24	MP2A	Mx	9.6e-5	4.25
25	MP2B	X	-13.041	.25
26	MP2B	Z	0	.25
27	MP2B	Mx	.012	.25
28	MP2B	X	-13.041	4.25
29	MP2B	Z	0	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
30	MP2B	Mx	.012	4.25
31	MP2C	X	-4.123	.25
32	MP2C	Z	0	.25
33	MP2C	Mx	-.003	.25
34	MP2C	X	-4.123	4.25
35	MP2C	Z	0	4.25
36	MP2C	Mx	-.003	4.25
37	MP2A	X	-5.873	.25
38	MP2A	Z	0	.25
39	MP2A	Mx	.005	.25
40	MP2A	X	-5.873	4.25
41	MP2A	Z	0	4.25
42	MP2A	Mx	.005	4.25
43	MP2B	X	-13.041	.25
44	MP2B	Z	0	.25
45	MP2B	Mx	-.008	.25
46	MP2B	X	-13.041	4.25
47	MP2B	Z	0	4.25
48	MP2B	Mx	-.008	4.25
49	MP2C	X	-4.123	.25
50	MP2C	Z	0	.25
51	MP2C	Mx	-.000899	.25
52	MP2C	X	-4.123	4.25
53	MP2C	Z	0	4.25
54	MP2C	Mx	-.000899	4.25
55	MP1A	X	-2.233	3
56	MP1A	Z	0	3
57	MP1A	Mx	-.000967	3
58	MP1B	X	-2.851	3
59	MP1B	Z	0	3
60	MP1B	Mx	-.000488	3
61	MP1C	X	-2.083	3
62	MP1C	Z	0	3
63	MP1C	Mx	.000991	3
64	MP4A	X	-1.961	3
65	MP4A	Z	0	3
66	MP4A	Mx	-.000849	3
67	MP4B	X	-2.808	3
68	MP4B	Z	0	3
69	MP4B	Mx	-.00048	3
70	MP4C	X	-1.754	3
71	MP4C	Z	0	3
72	MP4C	Mx	.000834	3
73	OVP	X	-5.337	1
74	OVP	Z	0	1
75	OVP	Mx	0	1
76	MP2A	X	-.92	6.25
77	MP2A	Z	0	6.25
78	MP2A	Mx	-.00095	6.25
79	MP2A	X	-.92	7.25
80	MP2A	Z	0	7.25
81	MP2A	Mx	-.00095	7.25
82	MP2A	X	-.92	6.25
83	MP2A	Z	0	6.25
84	MP2A	Mx	-.000643	6.25
85	MP2A	X	-.92	7.25
86	MP2A	Z	0	7.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
87	MP2A	Mx	-0.00643	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	-2.715	1.25
2	MP3A	Z	-1.567	1.25
3	MP3A	Mx	.000784	1.25
4	MP3A	X	-2.715	3.25
5	MP3A	Z	-1.567	3.25
6	MP3A	Mx	.000784	3.25
7	MP3B	X	-1.998	1.25
8	MP3B	Z	-1.153	1.25
9	MP3B	Mx	.000883	1.25
10	MP3B	X	-1.998	3.25
11	MP3B	Z	-1.153	3.25
12	MP3B	Mx	.000883	3.25
13	MP3C	X	-1.21	1.25
14	MP3C	Z	-.699	1.25
15	MP3C	Mx	-.000683	1.25
16	MP3C	X	-1.21	3.25
17	MP3C	Z	-.699	3.25
18	MP3C	Mx	-.000683	3.25
19	MP2A	X	-9.989	.25
20	MP2A	Z	-5.767	.25
21	MP2A	Mx	-.005	.25
22	MP2A	X	-9.989	4.25
23	MP2A	Z	-5.767	4.25
24	MP2A	Mx	-.005	4.25
25	MP2B	X	-6.686	.25
26	MP2B	Z	-3.86	.25
27	MP2B	Mx	.007	.25
28	MP2B	X	-6.686	4.25
29	MP2B	Z	-3.86	4.25
30	MP2B	Mx	.007	4.25
31	MP2C	X	-3.058	.25
32	MP2C	Z	-1.766	.25
33	MP2C	Mx	-.001	.25
34	MP2C	X	-3.058	4.25
35	MP2C	Z	-1.766	4.25
36	MP2C	Mx	-.001	4.25
37	MP2A	X	-9.989	.25
38	MP2A	Z	-5.767	.25
39	MP2A	Mx	.011	.25
40	MP2A	X	-9.989	4.25
41	MP2A	Z	-5.767	4.25
42	MP2A	Mx	.011	4.25
43	MP2B	X	-6.686	.25
44	MP2B	Z	-3.86	.25
45	MP2B	Mx	-.001	.25
46	MP2B	X	-6.686	4.25
47	MP2B	Z	-3.86	4.25
48	MP2B	Mx	-.001	4.25
49	MP2C	X	-3.058	.25
50	MP2C	Z	-1.766	.25
51	MP2C	Mx	-.002	.25
52	MP2C	X	-3.058	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
53	MP2C	Z	-1.766	4.25
54	MP2C	Mx	-.002	4.25
55	MP1A	X	-2.357	3
56	MP1A	Z	-1.361	3
57	MP1A	Mx	-.00068	3
58	MP1B	X	-2.072	3
59	MP1B	Z	-1.196	3
60	MP1B	Mx	-.000916	3
61	MP1C	X	-1.759	3
62	MP1C	Z	-1.016	3
63	MP1C	Mx	.000993	3
64	MP4A	X	-2.278	3
65	MP4A	Z	-1.315	3
66	MP4A	Mx	-.000658	3
67	MP4B	X	-1.887	3
68	MP4B	Z	-1.09	3
69	MP4B	Mx	-.000835	3
70	MP4C	X	-1.458	3
71	MP4C	Z	-.842	3
72	MP4C	Mx	.000823	3
73	OVP	X	-4.077	1
74	OVP	Z	-2.354	1
75	OVP	Mx	0	1
76	MP2A	X	-.796	6.25
77	MP2A	Z	-.459	6.25
78	MP2A	Mx	-.000725	6.25
79	MP2A	X	-.796	7.25
80	MP2A	Z	-.459	7.25
81	MP2A	Mx	-.000725	7.25
82	MP2A	X	-.796	6.25
83	MP2A	Z	-.459	6.25
84	MP2A	Mx	-.000195	6.25
85	MP2A	X	-.796	7.25
86	MP2A	Z	-.459	7.25
87	MP2A	Mx	-.000195	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	X	-1.875	1.25
2	MP3A	Z	-3.247	1.25
3	MP3A	Mx	0	1.25
4	MP3A	X	-1.875	3.25
5	MP3A	Z	-3.247	3.25
6	MP3A	Mx	0	3.25
7	MP3B	X	-.683	1.25
8	MP3B	Z	-1.182	1.25
9	MP3B	Mx	.000672	1.25
10	MP3B	X	-.683	3.25
11	MP3B	Z	-1.182	3.25
12	MP3B	Mx	.000672	3.25
13	MP3C	X	-1.196	1.25
14	MP3C	Z	-2.071	1.25
15	MP3C	Mx	-.000889	1.25
16	MP3C	X	-1.196	3.25
17	MP3C	Z	-2.071	3.25
18	MP3C	Mx	-.000889	3.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
19	MP2A	X	-7.183	.25
20	MP2A	Z	-12.441	.25
21	MP2A	Mx	-.012	.25
22	MP2A	X	-7.183	4.25
23	MP2A	Z	-12.441	4.25
24	MP2A	Mx	-.012	4.25
25	MP2B	X	-1.691	.25
26	MP2B	Z	-2.93	.25
27	MP2B	Mx	.002	.25
28	MP2B	X	-1.691	4.25
29	MP2B	Z	-2.93	4.25
30	MP2B	Mx	.002	4.25
31	MP2C	X	-4.056	.25
32	MP2C	Z	-7.025	.25
33	MP2C	Mx	.002	.25
34	MP2C	X	-4.056	4.25
35	MP2C	Z	-7.025	4.25
36	MP2C	Mx	.002	4.25
37	MP2A	X	-7.183	.25
38	MP2A	Z	-12.441	.25
39	MP2A	Mx	.012	.25
40	MP2A	X	-7.183	4.25
41	MP2A	Z	-12.441	4.25
42	MP2A	Mx	.012	4.25
43	MP2B	X	-1.691	.25
44	MP2B	Z	-2.93	.25
45	MP2B	Mx	.001	.25
46	MP2B	X	-1.691	4.25
47	MP2B	Z	-2.93	4.25
48	MP2B	Mx	.001	4.25
49	MP2C	X	-4.056	.25
50	MP2C	Z	-7.025	.25
51	MP2C	Mx	-.008	.25
52	MP2C	X	-4.056	4.25
53	MP2C	Z	-7.025	4.25
54	MP2C	Mx	-.008	4.25
55	MP1A	X	-1.482	3
56	MP1A	Z	-2.568	3
57	MP1A	Mx	0	3
58	MP1B	X	-1.009	3
59	MP1B	Z	-1.748	3
60	MP1B	Mx	-.000994	3
61	MP1C	X	-1.213	3
62	MP1C	Z	-2.101	3
63	MP1C	Mx	.000901	3
64	MP4A	X	-1.482	3
65	MP4A	Z	-2.568	3
66	MP4A	Mx	0	3
67	MP4B	X	-.833	3
68	MP4B	Z	-1.443	3
69	MP4B	Mx	-.00082	3
70	MP4C	X	-1.113	3
71	MP4C	Z	-1.927	3
72	MP4C	Mx	.000827	3
73	OVP	X	-2.354	1
74	OVP	Z	-4.077	1
75	OVP	Mx	0	1



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
76	MP2A	X	- .459	6.25
77	MP2A	Z	- .795	6.25
78	MP2A	Mx	-.000306	6.25
79	MP2A	X	- .459	7.25
80	MP2A	Z	- .795	7.25
81	MP2A	Mx	-.000306	7.25
82	MP2A	X	- .459	6.25
83	MP2A	Z	- .795	6.25
84	MP2A	Mx	.000306	6.25
85	MP2A	X	- .459	7.25
86	MP2A	Z	- .795	7.25
87	MP2A	Mx	.000306	7.25

Member Point Loads (BLC 77 : Lm1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M95	Y	-500	0

Member Point Loads (BLC 78 : Lm2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M92	Y	-500	0

Member Point Loads (BLC 79 : Lv1)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M73	Y	-250	0

Member Point Loads (BLC 80 : Lv2)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	M73	Y	-250	%50

Member Point Loads (BLC 81 : Antenna Ev)

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
1	MP3A	Y	- .899	1.25
2	MP3A	My	-.000389	1.25
3	MP3A	Mz	.000225	1.25
4	MP3A	Y	- .899	3.25
5	MP3A	My	-.000389	3.25
6	MP3A	Mz	.000225	3.25
7	MP3B	Y	- .899	1.25
8	MP3B	My	-.000154	1.25
9	MP3B	Mz	-.000422	1.25
10	MP3B	Y	- .899	3.25
11	MP3B	Mv	-.000154	3.25
12	MP3B	Mz	-.000422	3.25
13	MP3C	Y	- .899	1.25
14	MP3C	My	.000427	1.25
15	MP3C	Mz	.000139	1.25
16	MP3C	Y	- .899	3.25
17	MP3C	My	.000427	3.25
18	MP3C	Mz	.000139	3.25
19	MP2A	Y	-1.142	.25
20	MP2A	My	-1.9e-5	.25
21	MP2A	Mz	.001	.25
22	MP2A	Y	-1.142	4.25
23	MP2A	My	-1.9e-5	4.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
24	MP2A	Mz	.001	4.25
25	MP2B	Y	-1.142	.25
26	MP2B	My	-.001	.25
27	MP2B	Mz	-.000211	.25
28	MP2B	Y	-1.142	4.25
29	MP2B	My	-.001	4.25
30	MP2B	Mz	-.000211	4.25
31	MP2C	Y	-1.142	.25
32	MP2C	My	.000837	.25
33	MP2C	Mz	-.000729	.25
34	MP2C	Y	-1.142	4.25
35	MP2C	My	.000837	4.25
36	MP2C	Mz	-.000729	4.25
37	MP2A	Y	-1.142	.25
38	MP2A	My	-.000971	.25
39	MP2A	Mz	-.000539	.25
40	MP2A	Y	-1.142	4.25
41	MP2A	My	-.000971	4.25
42	MP2A	Mz	-.000539	4.25
43	MP2B	Y	-1.142	.25
44	MP2B	My	.000699	.25
45	MP2B	Mz	-.000862	.25
46	MP2B	Y	-1.142	4.25
47	MP2B	My	.000699	4.25
48	MP2B	Mz	-.000862	4.25
49	MP2C	Y	-1.142	.25
50	MP2C	My	.000249	.25
51	MP2C	Mz	.001	.25
52	MP2C	Y	-1.142	4.25
53	MP2C	My	.000249	4.25
54	MP2C	Mz	.001	4.25
55	MP1A	Y	-1.742	3
56	MP1A	My	.000754	3
57	MP1A	Mz	-.000436	3
58	MP1B	Y	-1.742	3
59	MP1B	My	.000298	3
60	MP1B	Mz	.000818	3
61	MP1C	Y	-1.742	3
62	MP1C	My	-.000828	3
63	MP1C	Mz	-.000269	3
64	MP4A	Y	-1.451	3
65	MP4A	My	.000628	3
66	MP4A	Mz	-.000363	3
67	MP4B	Y	-1.451	3
68	MP4B	My	.000248	3
69	MP4B	Mz	.000682	3
70	MP4C	Y	-1.451	3
71	MP4C	My	-.00069	3
72	MP4C	Mz	-.000224	3
73	OVP	Y	-.66	1
74	OVP	My	0	1
75	OVP	Mz	0	1
76	MP2A	Y	-.182	6.25
77	MP2A	My	.000188	6.25
78	MP2A	Mz	-3.8e-5	6.25
79	MP2A	Y	-.182	7.25
80	MP2A	My	.000188	7.25



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
81	MP2A	Mz	-3.8e-5	7.25
82	MP2A	Y	-.182	6.25
83	MP2A	My	.000127	6.25
84	MP2A	Mz	-.000143	6.25
85	MP2A	Y	-.182	7.25
86	MP2A	My	.000127	7.25
87	MP2A	Mz	-.000143	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	Z	-2.247	1.25
2	MP3A	Mx	-.000562	1.25
3	MP3A	Z	-2.247	3.25
4	MP3A	Mx	-.000562	3.25
5	MP3B	Z	-2.247	1.25
6	MP3B	Mx	.001	1.25
7	MP3B	Z	-2.247	3.25
8	MP3B	Mx	.001	3.25
9	MP3C	Z	-2.247	1.25
10	MP3C	Mx	-.000347	1.25
11	MP3C	Z	-2.247	3.25
12	MP3C	Mx	-.000347	3.25
13	MP2A	Z	-2.856	.25
14	MP2A	Mx	-.003	.25
15	MP2A	Z	-2.856	4.25
16	MP2A	Mx	-.003	4.25
17	MP2B	Z	-2.856	.25
18	MP2B	Mx	.000528	.25
19	MP2B	Z	-2.856	4.25
20	MP2B	Mx	.000528	4.25
21	MP2C	Z	-2.856	.25
22	MP2C	Mx	.002	.25
23	MP2C	Z	-2.856	4.25
24	MP2C	Mx	.002	4.25
25	MP2A	Z	-2.856	.25
26	MP2A	Mx	.001	.25
27	MP2A	Z	-2.856	4.25
28	MP2A	Mx	.001	4.25
29	MP2B	Z	-2.856	.25
30	MP2B	Mx	.002	.25
31	MP2B	Z	-2.856	4.25
32	MP2B	Mx	.002	4.25
33	MP2C	Z	-2.856	.25
34	MP2C	Mx	-.003	.25
35	MP2C	Z	-2.856	4.25
36	MP2C	Mx	-.003	4.25
37	MP1A	Z	-4.355	3
38	MP1A	Mx	.001	3
39	MP1B	Z	-4.355	3
40	MP1B	Mx	-.002	3
41	MP1C	Z	-4.355	3
42	MP1C	Mx	.000673	3
43	MP4A	Z	-3.627	3
44	MP4A	Mx	.000907	3
45	MP4B	Z	-3.627	3
46	MP4B	Mx	-.002	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
47	MP4C	Z	-3.627	3
48	MP4C	Mx	.00056	3
49	OVP	Z	-1.651	1
50	OVP	Mx	0	1
51	MP2A	Z	-.454	6.25
52	MP2A	Mx	9.6e-5	6.25
53	MP2A	Z	-.454	7.25
54	MP2A	Mx	9.6e-5	7.25
55	MP2A	Z	-.454	6.25
56	MP2A	Mx	.000358	6.25
57	MP2A	Z	-.454	7.25
58	MP2A	Mx	.000358	7.25

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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft. %]
1	MP3A	X	2.247	1.25
2	MP3A	Mx	-.000973	1.25
3	MP3A	X	2.247	3.25
4	MP3A	Mx	-.000973	3.25
5	MP3B	X	2.247	1.25
6	MP3B	Mx	-.000384	1.25
7	MP3B	X	2.247	3.25
8	MP3B	Mx	-.000384	3.25
9	MP3C	X	2.247	1.25
10	MP3C	Mx	.001	1.25
11	MP3C	X	2.247	3.25
12	MP3C	Mx	.001	3.25
13	MP2A	X	2.856	.25
14	MP2A	Mx	-4.7e-5	.25
15	MP2A	X	2.856	4.25
16	MP2A	Mx	-4.7e-5	4.25
17	MP2B	X	2.856	.25
18	MP2B	Mx	-.003	.25
19	MP2B	X	2.856	4.25
20	MP2B	Mx	-.003	4.25
21	MP2C	X	2.856	.25
22	MP2C	Mx	.002	.25
23	MP2C	X	2.856	4.25
24	MP2C	Mx	.002	4.25
25	MP2A	X	2.856	.25
26	MP2A	Mx	-.002	.25
27	MP2A	X	2.856	4.25
28	MP2A	Mx	-.002	4.25
29	MP2B	X	2.856	.25
30	MP2B	Mx	.002	.25
31	MP2B	X	2.856	4.25
32	MP2B	Mx	.002	4.25
33	MP2C	X	2.856	.25
34	MP2C	Mx	.000623	.25
35	MP2C	X	2.856	4.25
36	MP2C	Mx	.000623	4.25
37	MP1A	X	4.355	3
38	MP1A	Mx	.002	3
39	MP1B	X	4.355	3
40	MP1B	Mx	.000745	3
41	MP1C	X	4.355	3



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

	Member Label	Direction	Magnitude[lb.k-ft]	Location[ft.%]
42	MP1C	Mx	- .002	3
43	MP4A	X	3.627	3
44	MP4A	Mx	.002	3
45	MP4B	X	3.627	3
46	MP4B	Mx	.00062	3
47	MP4C	X	3.627	3
48	MP4C	Mx	- .002	3
49	OVP	X	1.651	1
50	OVP	Mx	0	1
51	MP2A	X	.454	6.25
52	MP2A	Mx	.000469	6.25
53	MP2A	X	.454	7.25
54	MP2A	Mx	.000469	7.25
55	MP2A	X	.454	6.25
56	MP2A	Mx	.000318	6.25
57	MP2A	X	.454	7.25
58	MP2A	Mx	.000318	7.25

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	M25	Y	-9.317	-9.317	0	%100
2	M26	Y	-9.317	-9.317	0	%100
3	M27	Y	-9.317	-9.317	0	%100
4	M28	Y	-9.805	-9.805	0	%100
5	M31	Y	-5.431	-5.431	0	%100
6	M32	Y	-5.431	-5.431	0	%100
7	M36	Y	-9.805	-9.805	0	%100
8	M37	Y	-9.805	-9.805	0	%100
9	M39	Y	-9.805	-9.805	0	%100
10	M41	Y	-9.805	-9.805	0	%100
11	M42	Y	-9.805	-9.805	0	%100
12	M44	Y	-9.805	-9.805	0	%100
13	M25A	Y	-9.317	-9.317	0	%100
14	M26A	Y	-9.317	-9.317	0	%100
15	M27A	Y	-9.317	-9.317	0	%100
16	M28A	Y	-9.805	-9.805	0	%100
17	M31A	Y	-5.431	-5.431	0	%100
18	M32A	Y	-5.431	-5.431	0	%100
19	M36A	Y	-9.805	-9.805	0	%100
20	M37A	Y	-9.805	-9.805	0	%100
21	M39A	Y	-9.805	-9.805	0	%100
22	M41A	Y	-9.805	-9.805	0	%100
23	M42A	Y	-9.805	-9.805	0	%100
24	M44A	Y	-9.805	-9.805	0	%100
25	M49	Y	-9.317	-9.317	0	%100
26	M50	Y	-9.317	-9.317	0	%100
27	M51	Y	-9.317	-9.317	0	%100
28	M52	Y	-9.805	-9.805	0	%100
29	M55	Y	-5.431	-5.431	0	%100
30	M56	Y	-5.431	-5.431	0	%100
31	M60	Y	-9.805	-9.805	0	%100
32	M61	Y	-9.805	-9.805	0	%100
33	M63	Y	-9.805	-9.805	0	%100
34	M65	Y	-9.805	-9.805	0	%100
35	M66	Y	-9.805	-9.805	0	%100



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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.%]
36	M68	Y	-9.805	-9.805	0	%100
37	M73	Y	-6.354	-6.354	0	%100
38	M74	Y	-6.354	-6.354	0	%100
39	M75	Y	-6.354	-6.354	0	%100
40	M76	Y	-4.808	-4.808	0	%100
41	M77	Y	-4.808	-4.808	0	%100
42	M78	Y	-4.808	-4.808	0	%100
43	M85	Y	-6.403	-6.403	0	%100
44	M86	Y	-6.403	-6.403	0	%100
45	M87	Y	-6.403	-6.403	0	%100
46	MP1A	Y	-5.495	-5.495	0	%100
47	MP2A	Y	-5.495	-5.495	0	%100
48	MP3A	Y	-5.495	-5.495	0	%100
49	MP4A	Y	-5.495	-5.495	0	%100
50	MP1C	Y	-5.495	-5.495	0	%100
51	MP2C	Y	-5.495	-5.495	0	%100
52	MP3C	Y	-5.495	-5.495	0	%100
53	MP4C	Y	-5.495	-5.495	0	%100
54	MP1B	Y	-5.495	-5.495	0	%100
55	MP2B	Y	-5.495	-5.495	0	%100
56	MP3B	Y	-5.495	-5.495	0	%100
57	MP4B	Y	-5.495	-5.495	0	%100
58	OVP	Y	-4.808	-4.808	0	%100
59	M126	Y	-10.819	-10.819	0	%100
60	M127	Y	-10.819	-10.819	0	%100
61	M128	Y	-10.819	-10.819	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	M25	X	0	0	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	-8.455	-8.455	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-8.455	-8.455	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	-16.865	-16.865	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	-2.341	-2.341	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	-2.341	-2.341	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	-4.294	-4.294	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	-4.523	-4.523	0	%100
19	M41	X	0	0	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	-4.294	-4.294	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	-4.523	-4.523	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	-7.495	-7.495	0	%100
27	M26A	X	0	0	0	%100



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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.%]
28	M26A	Z	-2.114	-2.114	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	-2.114	-2.114	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	-4.216	-4.216	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	-2.341	-2.341	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	-9.365	-9.365	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	-12.649	-12.649	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	-4.294	-4.294	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-4.523	-4.523	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	-12.649	-12.649	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	-17.178	-17.178	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-18.093	-18.093	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-7.495	-7.495	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	-2.114	-2.114	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	-2.114	-2.114	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	-4.216	-4.216	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-9.365	-9.365	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-2.341	-2.341	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-12.649	-12.649	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-17.178	-17.178	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-18.093	-18.093	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-12.649	-12.649	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-4.294	-4.294	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-4.523	-4.523	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-9.838	-9.838	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-2.46	-2.46	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-2.46	-2.46	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	-6.676	-6.676	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	-1.669	-1.669	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	-1.669	-1.669	0	%100



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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.%]
85	M85	X	0	0	0	%100
86	M85	Z	-1.98	-1.98	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	-1.98	-1.98	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	-7.92	-7.92	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-8.081	-8.081	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-8.081	-8.081	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-8.081	-8.081	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-8.081	-8.081	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-8.081	-8.081	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-8.081	-8.081	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-8.081	-8.081	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-8.081	-8.081	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-8.081	-8.081	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-8.081	-8.081	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-8.081	-8.081	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-8.081	-8.081	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	-6.676	-6.676	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-12.29	-12.29	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-12.536	-12.536	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-12.536	-12.536	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	M25	X	1.249	1.249	0	%100
2	M25	Z	-2.163	-2.163	0	%100
3	M26	X	3.171	3.171	0	%100
4	M26	Z	-5.492	-5.492	0	%100
5	M27	X	3.171	3.171	0	%100
6	M27	Z	-5.492	-5.492	0	%100
7	M28	X	6.325	6.325	0	%100
8	M28	Z	-10.954	-10.954	0	%100
9	M31	X	3.512	3.512	0	%100
10	M31	Z	-6.083	-6.083	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	2.108	2.108	0	%100
14	M36	Z	-3.651	-3.651	0	%100
15	M37	X	6.442	6.442	0	%100



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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.%]
16	M37	Z	-11.157	-11.157	0	%100
17	M39	X	6.785	6.785	0	%100
18	M39	Z	-11.752	-11.752	0	%100
19	M41	X	2.108	2.108	0	%100
20	M41	Z	-3.651	-3.651	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	1.249	1.249	0	%100
26	M25A	Z	-2.163	-2.163	0	%100
27	M26A	X	3.171	3.171	0	%100
28	M26A	Z	-5.492	-5.492	0	%100
29	M27A	X	3.171	3.171	0	%100
30	M27A	Z	-5.492	-5.492	0	%100
31	M28A	X	6.325	6.325	0	%100
32	M28A	Z	-10.954	-10.954	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	3.512	3.512	0	%100
36	M32A	Z	-6.083	-6.083	0	%100
37	M36A	X	2.108	2.108	0	%100
38	M36A	Z	-3.651	-3.651	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	2.108	2.108	0	%100
44	M41A	Z	-3.651	-3.651	0	%100
45	M42A	X	6.442	6.442	0	%100
46	M42A	Z	-11.157	-11.157	0	%100
47	M44A	X	6.785	6.785	0	%100
48	M44A	Z	-11.752	-11.752	0	%100
49	M49	X	4.996	4.996	0	%100
50	M49	Z	-8.654	-8.654	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	3.512	3.512	0	%100
58	M55	Z	-6.083	-6.083	0	%100
59	M56	X	3.512	3.512	0	%100
60	M56	Z	-6.083	-6.083	0	%100
61	M60	X	8.433	8.433	0	%100
62	M60	Z	-14.606	-14.606	0	%100
63	M61	X	6.442	6.442	0	%100
64	M61	Z	-11.157	-11.157	0	%100
65	M63	X	6.785	6.785	0	%100
66	M63	Z	-11.752	-11.752	0	%100
67	M65	X	8.433	8.433	0	%100
68	M65	Z	-14.606	-14.606	0	%100
69	M66	X	6.442	6.442	0	%100
70	M66	Z	-11.157	-11.157	0	%100
71	M68	X	6.785	6.785	0	%100
72	M68	Z	-11.752	-11.752	0	%100



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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.%]
73	M73	X	3.689	3.689	0	%100
74	M73	Z	-6.39	-6.39	0	%100
75	M74	X	3.689	3.689	0	%100
76	M74	Z	-6.39	-6.39	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	2.503	2.503	0	%100
80	M76	Z	-4.336	-4.336	0	%100
81	M77	X	2.503	2.503	0	%100
82	M77	Z	-4.336	-4.336	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	2.97	2.97	0	%100
86	M85	Z	-5.144	-5.144	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	2.97	2.97	0	%100
90	M87	Z	-5.144	-5.144	0	%100
91	MP1A	X	4.041	4.041	0	%100
92	MP1A	Z	-6.999	-6.999	0	%100
93	MP2A	X	4.041	4.041	0	%100
94	MP2A	Z	-6.999	-6.999	0	%100
95	MP3A	X	4.041	4.041	0	%100
96	MP3A	Z	-6.999	-6.999	0	%100
97	MP4A	X	4.041	4.041	0	%100
98	MP4A	Z	-6.999	-6.999	0	%100
99	MP1C	X	4.041	4.041	0	%100
100	MP1C	Z	-6.999	-6.999	0	%100
101	MP2C	X	4.041	4.041	0	%100
102	MP2C	Z	-6.999	-6.999	0	%100
103	MP3C	X	4.041	4.041	0	%100
104	MP3C	Z	-6.999	-6.999	0	%100
105	MP4C	X	4.041	4.041	0	%100
106	MP4C	Z	-6.999	-6.999	0	%100
107	MP1B	X	4.041	4.041	0	%100
108	MP1B	Z	-6.999	-6.999	0	%100
109	MP2B	X	4.041	4.041	0	%100
110	MP2B	Z	-6.999	-6.999	0	%100
111	MP3B	X	4.041	4.041	0	%100
112	MP3B	Z	-6.999	-6.999	0	%100
113	MP4B	X	4.041	4.041	0	%100
114	MP4B	Z	-6.999	-6.999	0	%100
115	OVP	X	3.338	3.338	0	%100
116	OVP	Z	-5.781	-5.781	0	%100
117	M126	X	6.186	6.186	0	%100
118	M126	Z	-10.714	-10.714	0	%100
119	M127	X	6.186	6.186	0	%100
120	M127	Z	-10.714	-10.714	0	%100
121	M128	X	6.309	6.309	0	%100
122	M128	Z	-10.928	-10.928	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	M25	X	6.49	6.49	0	%100
2	M25	Z	-3.747	-3.747	0	%100
3	M26	X	1.831	1.831	0	%100



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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.%]
4	M26	Z	-1.057	-1.057	0	%100
5	M27	X	1.831	1.831	0	%100
6	M27	Z	-1.057	-1.057	0	%100
7	M28	X	3.651	3.651	0	%100
8	M28	Z	-2.108	-2.108	0	%100
9	M31	X	8.11	8.11	0	%100
10	M31	Z	-4.683	-4.683	0	%100
11	M32	X	2.028	2.028	0	%100
12	M32	Z	-1.171	-1.171	0	%100
13	M36	X	10.954	10.954	0	%100
14	M36	Z	-6.325	-6.325	0	%100
15	M37	X	14.876	14.876	0	%100
16	M37	Z	-8.589	-8.589	0	%100
17	M39	X	15.669	15.669	0	%100
18	M39	Z	-9.046	-9.046	0	%100
19	M41	X	10.954	10.954	0	%100
20	M41	Z	-6.325	-6.325	0	%100
21	M42	X	3.719	3.719	0	%100
22	M42	Z	-2.147	-2.147	0	%100
23	M44	X	3.917	3.917	0	%100
24	M44	Z	-2.262	-2.262	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	7.323	7.323	0	%100
28	M26A	Z	-4.228	-4.228	0	%100
29	M27A	X	7.323	7.323	0	%100
30	M27A	Z	-4.228	-4.228	0	%100
31	M28A	X	14.606	14.606	0	%100
32	M28A	Z	-8.433	-8.433	0	%100
33	M31A	X	2.028	2.028	0	%100
34	M31A	Z	-1.171	-1.171	0	%100
35	M32A	X	2.028	2.028	0	%100
36	M32A	Z	-1.171	-1.171	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	3.719	3.719	0	%100
40	M37A	Z	-2.147	-2.147	0	%100
41	M39A	X	3.917	3.917	0	%100
42	M39A	Z	-2.262	-2.262	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	3.719	3.719	0	%100
46	M42A	Z	-2.147	-2.147	0	%100
47	M44A	X	3.917	3.917	0	%100
48	M44A	Z	-2.262	-2.262	0	%100
49	M49	X	6.49	6.49	0	%100
50	M49	Z	-3.747	-3.747	0	%100
51	M50	X	1.831	1.831	0	%100
52	M50	Z	-1.057	-1.057	0	%100
53	M51	X	1.831	1.831	0	%100
54	M51	Z	-1.057	-1.057	0	%100
55	M52	X	3.651	3.651	0	%100
56	M52	Z	-2.108	-2.108	0	%100
57	M55	X	2.028	2.028	0	%100
58	M55	Z	-1.171	-1.171	0	%100
59	M56	X	8.11	8.11	0	%100
60	M56	Z	-4.683	-4.683	0	%100



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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.%]
61	M60	X	10.954	10.954	0	%100
62	M60	Z	-6.325	-6.325	0	%100
63	M61	X	3.719	3.719	0	%100
64	M61	Z	-2.147	-2.147	0	%100
65	M63	X	3.917	3.917	0	%100
66	M63	Z	-2.262	-2.262	0	%100
67	M65	X	10.954	10.954	0	%100
68	M65	Z	-6.325	-6.325	0	%100
69	M66	X	14.876	14.876	0	%100
70	M66	Z	-8.589	-8.589	0	%100
71	M68	X	15.669	15.669	0	%100
72	M68	Z	-9.046	-9.046	0	%100
73	M73	X	2.13	2.13	0	%100
74	M73	Z	-1.23	-1.23	0	%100
75	M74	X	8.52	8.52	0	%100
76	M74	Z	-4.919	-4.919	0	%100
77	M75	X	2.13	2.13	0	%100
78	M75	Z	-1.23	-1.23	0	%100
79	M76	X	1.445	1.445	0	%100
80	M76	Z	-834	-834	0	%100
81	M77	X	5.781	5.781	0	%100
82	M77	Z	-3.338	-3.338	0	%100
83	M78	X	1.445	1.445	0	%100
84	M78	Z	-834	-834	0	%100
85	M85	X	6.859	6.859	0	%100
86	M85	Z	-3.96	-3.96	0	%100
87	M86	X	1.715	1.715	0	%100
88	M86	Z	-99	-99	0	%100
89	M87	X	1.715	1.715	0	%100
90	M87	Z	-99	-99	0	%100
91	MP1A	X	6.999	6.999	0	%100
92	MP1A	Z	-4.041	-4.041	0	%100
93	MP2A	X	6.999	6.999	0	%100
94	MP2A	Z	-4.041	-4.041	0	%100
95	MP3A	X	6.999	6.999	0	%100
96	MP3A	Z	-4.041	-4.041	0	%100
97	MP4A	X	6.999	6.999	0	%100
98	MP4A	Z	-4.041	-4.041	0	%100
99	MP1C	X	6.999	6.999	0	%100
100	MP1C	Z	-4.041	-4.041	0	%100
101	MP2C	X	6.999	6.999	0	%100
102	MP2C	Z	-4.041	-4.041	0	%100
103	MP3C	X	6.999	6.999	0	%100
104	MP3C	Z	-4.041	-4.041	0	%100
105	MP4C	X	6.999	6.999	0	%100
106	MP4C	Z	-4.041	-4.041	0	%100
107	MP1B	X	6.999	6.999	0	%100
108	MP1B	Z	-4.041	-4.041	0	%100
109	MP2B	X	6.999	6.999	0	%100
110	MP2B	Z	-4.041	-4.041	0	%100
111	MP3B	X	6.999	6.999	0	%100
112	MP3B	Z	-4.041	-4.041	0	%100
113	MP4B	X	6.999	6.999	0	%100
114	MP4B	Z	-4.041	-4.041	0	%100
115	OVP	X	5.781	5.781	0	%100
116	OVP	Z	-3.338	-3.338	0	%100
117	M126	X	10.857	10.857	0	%100



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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.%]
118	M126	Z	-6.268	-6.268	0	%100
119	M127	X	10.643	10.643	0	%100
120	M127	Z	-6.145	-6.145	0	%100
121	M128	X	10.857	10.857	0	%100
122	M128	Z	-6.268	-6.268	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	M25	X	9.993	9.993	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	0	0	0	%100
9	M31	X	7.024	7.024	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	7.024	7.024	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	16.865	16.865	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	12.883	12.883	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	13.57	13.57	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	16.865	16.865	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	12.883	12.883	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	13.57	13.57	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	2.498	2.498	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	6.342	6.342	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	6.342	6.342	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	12.649	12.649	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	7.024	7.024	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	0	0	0	%100
37	M36A	X	4.216	4.216	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	12.883	12.883	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	13.57	13.57	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	4.216	4.216	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100



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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.%]
49	M49	X	2.498	2.498	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	6.342	6.342	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	6.342	6.342	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	12.649	12.649	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	7.024	7.024	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	4.216	4.216	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	4.216	4.216	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	12.883	12.883	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	13.57	13.57	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	7.379	7.379	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	7.379	7.379	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	5.007	5.007	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	5.007	5.007	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	5.94	5.94	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	5.94	5.94	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	0	0	0	%100
91	MP1A	X	8.081	8.081	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	8.081	8.081	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	8.081	8.081	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	8.081	8.081	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	8.081	8.081	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	8.081	8.081	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	8.081	8.081	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	8.081	8.081	0	%100



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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.%]
106	MP4C	Z	0	0	0	%100
107	MP1B	X	8.081	8.081	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	8.081	8.081	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	8.081	8.081	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	8.081	8.081	0	%100
114	MP4B	Z	0	0	0	%100
115	OVP	X	6.676	6.676	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	12.618	12.618	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	12.372	12.372	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	12.372	12.372	0	%100
122	M128	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	M25	X	6.49	6.49	0	%100
2	M25	Z	3.747	3.747	0	%100
3	M26	X	1.831	1.831	0	%100
4	M26	Z	1.057	1.057	0	%100
5	M27	X	1.831	1.831	0	%100
6	M27	Z	1.057	1.057	0	%100
7	M28	X	3.651	3.651	0	%100
8	M28	Z	2.108	2.108	0	%100
9	M31	X	2.028	2.028	0	%100
10	M31	Z	1.171	1.171	0	%100
11	M32	X	8.11	8.11	0	%100
12	M32	Z	4.683	4.683	0	%100
13	M36	X	10.954	10.954	0	%100
14	M36	Z	6.325	6.325	0	%100
15	M37	X	3.719	3.719	0	%100
16	M37	Z	2.147	2.147	0	%100
17	M39	X	3.917	3.917	0	%100
18	M39	Z	2.262	2.262	0	%100
19	M41	X	10.954	10.954	0	%100
20	M41	Z	6.325	6.325	0	%100
21	M42	X	14.876	14.876	0	%100
22	M42	Z	8.589	8.589	0	%100
23	M44	X	15.669	15.669	0	%100
24	M44	Z	9.046	9.046	0	%100
25	M25A	X	6.49	6.49	0	%100
26	M25A	Z	3.747	3.747	0	%100
27	M26A	X	1.831	1.831	0	%100
28	M26A	Z	1.057	1.057	0	%100
29	M27A	X	1.831	1.831	0	%100
30	M27A	Z	1.057	1.057	0	%100
31	M28A	X	3.651	3.651	0	%100
32	M28A	Z	2.108	2.108	0	%100
33	M31A	X	8.11	8.11	0	%100
34	M31A	Z	4.683	4.683	0	%100
35	M32A	X	2.028	2.028	0	%100
36	M32A	Z	1.171	1.171	0	%100



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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.%]
37	M36A	X	10.954	10.954	0	%100
38	M36A	Z	6.325	6.325	0	%100
39	M37A	X	14.876	14.876	0	%100
40	M37A	Z	8.589	8.589	0	%100
41	M39A	X	15.669	15.669	0	%100
42	M39A	Z	9.046	9.046	0	%100
43	M41A	X	10.954	10.954	0	%100
44	M41A	Z	6.325	6.325	0	%100
45	M42A	X	3.719	3.719	0	%100
46	M42A	Z	2.147	2.147	0	%100
47	M44A	X	3.917	3.917	0	%100
48	M44A	Z	2.262	2.262	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	7.323	7.323	0	%100
52	M50	Z	4.228	4.228	0	%100
53	M51	X	7.323	7.323	0	%100
54	M51	Z	4.228	4.228	0	%100
55	M52	X	14.606	14.606	0	%100
56	M52	Z	8.433	8.433	0	%100
57	M55	X	2.028	2.028	0	%100
58	M55	Z	1.171	1.171	0	%100
59	M56	X	2.028	2.028	0	%100
60	M56	Z	1.171	1.171	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	3.719	3.719	0	%100
64	M61	Z	2.147	2.147	0	%100
65	M63	X	3.917	3.917	0	%100
66	M63	Z	2.262	2.262	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	3.719	3.719	0	%100
70	M66	Z	2.147	2.147	0	%100
71	M68	X	3.917	3.917	0	%100
72	M68	Z	2.262	2.262	0	%100
73	M73	X	2.13	2.13	0	%100
74	M73	Z	1.23	1.23	0	%100
75	M74	X	2.13	2.13	0	%100
76	M74	Z	1.23	1.23	0	%100
77	M75	X	8.52	8.52	0	%100
78	M75	Z	4.919	4.919	0	%100
79	M76	X	1.445	1.445	0	%100
80	M76	Z	.834	.834	0	%100
81	M77	X	1.445	1.445	0	%100
82	M77	Z	.834	.834	0	%100
83	M78	X	5.781	5.781	0	%100
84	M78	Z	3.338	3.338	0	%100
85	M85	X	1.715	1.715	0	%100
86	M85	Z	.99	.99	0	%100
87	M86	X	6.859	6.859	0	%100
88	M86	Z	3.96	3.96	0	%100
89	M87	X	1.715	1.715	0	%100
90	M87	Z	.99	.99	0	%100
91	MP1A	X	6.999	6.999	0	%100
92	MP1A	Z	4.041	4.041	0	%100
93	MP2A	X	6.999	6.999	0	%100



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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.%]
94	MP2A	Z	4.041	4.041	0	%100
95	MP3A	X	6.999	6.999	0	%100
96	MP3A	Z	4.041	4.041	0	%100
97	MP4A	X	6.999	6.999	0	%100
98	MP4A	Z	4.041	4.041	0	%100
99	MP1C	X	6.999	6.999	0	%100
100	MP1C	Z	4.041	4.041	0	%100
101	MP2C	X	6.999	6.999	0	%100
102	MP2C	Z	4.041	4.041	0	%100
103	MP3C	X	6.999	6.999	0	%100
104	MP3C	Z	4.041	4.041	0	%100
105	MP4C	X	6.999	6.999	0	%100
106	MP4C	Z	4.041	4.041	0	%100
107	MP1B	X	6.999	6.999	0	%100
108	MP1B	Z	4.041	4.041	0	%100
109	MP2B	X	6.999	6.999	0	%100
110	MP2B	Z	4.041	4.041	0	%100
111	MP3B	X	6.999	6.999	0	%100
112	MP3B	Z	4.041	4.041	0	%100
113	MP4B	X	6.999	6.999	0	%100
114	MP4B	Z	4.041	4.041	0	%100
115	OVP	X	5.781	5.781	0	%100
116	OVP	Z	3.338	3.338	0	%100
117	M126	X	10.857	10.857	0	%100
118	M126	Z	6.268	6.268	0	%100
119	M127	X	10.857	10.857	0	%100
120	M127	Z	6.268	6.268	0	%100
121	M128	X	10.643	10.643	0	%100
122	M128	Z	6.145	6.145	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	M25	X	1.249	1.249	0	%100
2	M25	Z	2.163	2.163	0	%100
3	M26	X	3.171	3.171	0	%100
4	M26	Z	5.492	5.492	0	%100
5	M27	X	3.171	3.171	0	%100
6	M27	Z	5.492	5.492	0	%100
7	M28	X	6.325	6.325	0	%100
8	M28	Z	10.954	10.954	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	3.512	3.512	0	%100
12	M32	Z	6.083	6.083	0	%100
13	M36	X	2.108	2.108	0	%100
14	M36	Z	3.651	3.651	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	2.108	2.108	0	%100
20	M41	Z	3.651	3.651	0	%100
21	M42	X	6.442	6.442	0	%100
22	M42	Z	11.157	11.157	0	%100
23	M44	X	6.785	6.785	0	%100
24	M44	Z	11.752	11.752	0	%100



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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.%]
25	M25A	X	4.996	4.996	0	%100
26	M25A	Z	8.654	8.654	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	3.512	3.512	0	%100
34	M31A	Z	6.083	6.083	0	%100
35	M32A	X	3.512	3.512	0	%100
36	M32A	Z	6.083	6.083	0	%100
37	M36A	X	8.433	8.433	0	%100
38	M36A	Z	14.606	14.606	0	%100
39	M37A	X	6.442	6.442	0	%100
40	M37A	Z	11.157	11.157	0	%100
41	M39A	X	6.785	6.785	0	%100
42	M39A	Z	11.752	11.752	0	%100
43	M41A	X	8.433	8.433	0	%100
44	M41A	Z	14.606	14.606	0	%100
45	M42A	X	6.442	6.442	0	%100
46	M42A	Z	11.157	11.157	0	%100
47	M44A	X	6.785	6.785	0	%100
48	M44A	Z	11.752	11.752	0	%100
49	M49	X	1.249	1.249	0	%100
50	M49	Z	2.163	2.163	0	%100
51	M50	X	3.171	3.171	0	%100
52	M50	Z	5.492	5.492	0	%100
53	M51	X	3.171	3.171	0	%100
54	M51	Z	5.492	5.492	0	%100
55	M52	X	6.325	6.325	0	%100
56	M52	Z	10.954	10.954	0	%100
57	M55	X	3.512	3.512	0	%100
58	M55	Z	6.083	6.083	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	2.108	2.108	0	%100
62	M60	Z	3.651	3.651	0	%100
63	M61	X	6.442	6.442	0	%100
64	M61	Z	11.157	11.157	0	%100
65	M63	X	6.785	6.785	0	%100
66	M63	Z	11.752	11.752	0	%100
67	M65	X	2.108	2.108	0	%100
68	M65	Z	3.651	3.651	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	3.689	3.689	0	%100
74	M73	Z	6.39	6.39	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	3.689	3.689	0	%100
78	M75	Z	6.39	6.39	0	%100
79	M76	X	2.503	2.503	0	%100
80	M76	Z	4.336	4.336	0	%100
81	M77	X	0	0	0	%100



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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.%]
82	M77	Z	0	0	0	%100
83	M78	X	2.503	2.503	0	%100
84	M78	Z	4.336	4.336	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	2.97	2.97	0	%100
88	M86	Z	5.144	5.144	0	%100
89	M87	X	2.97	2.97	0	%100
90	M87	Z	5.144	5.144	0	%100
91	MP1A	X	4.041	4.041	0	%100
92	MP1A	Z	6.999	6.999	0	%100
93	MP2A	X	4.041	4.041	0	%100
94	MP2A	Z	6.999	6.999	0	%100
95	MP3A	X	4.041	4.041	0	%100
96	MP3A	Z	6.999	6.999	0	%100
97	MP4A	X	4.041	4.041	0	%100
98	MP4A	Z	6.999	6.999	0	%100
99	MP1C	X	4.041	4.041	0	%100
100	MP1C	Z	6.999	6.999	0	%100
101	MP2C	X	4.041	4.041	0	%100
102	MP2C	Z	6.999	6.999	0	%100
103	MP3C	X	4.041	4.041	0	%100
104	MP3C	Z	6.999	6.999	0	%100
105	MP4C	X	4.041	4.041	0	%100
106	MP4C	Z	6.999	6.999	0	%100
107	MP1B	X	4.041	4.041	0	%100
108	MP1B	Z	6.999	6.999	0	%100
109	MP2B	X	4.041	4.041	0	%100
110	MP2B	Z	6.999	6.999	0	%100
111	MP3B	X	4.041	4.041	0	%100
112	MP3B	Z	6.999	6.999	0	%100
113	MP4B	X	4.041	4.041	0	%100
114	MP4B	Z	6.999	6.999	0	%100
115	OVP	X	3.338	3.338	0	%100
116	OVP	Z	5.781	5.781	0	%100
117	M126	X	6.186	6.186	0	%100
118	M126	Z	10.714	10.714	0	%100
119	M127	X	6.309	6.309	0	%100
120	M127	Z	10.928	10.928	0	%100
121	M128	X	6.186	6.186	0	%100
122	M128	Z	10.714	10.714	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	M25	X	0	0	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	8.455	8.455	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	8.455	8.455	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	16.865	16.865	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	2.341	2.341	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	2.341	2.341	0	%100



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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.%]
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	4.294	4.294	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	4.523	4.523	0	%100
19	M41	X	0	0	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	4.294	4.294	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	4.523	4.523	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	7.495	7.495	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	2.114	2.114	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	2.114	2.114	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	4.216	4.216	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	2.341	2.341	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	9.365	9.365	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	12.649	12.649	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	4.294	4.294	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	4.523	4.523	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	12.649	12.649	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	17.178	17.178	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	18.093	18.093	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	7.495	7.495	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	2.114	2.114	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	2.114	2.114	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	4.216	4.216	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	9.365	9.365	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	2.341	2.341	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	12.649	12.649	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	17.178	17.178	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	18.093	18.093	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	12.649	12.649	0	%100
69	M66	X	0	0	0	%100



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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.%]
70	M66	Z	4.294	4.294	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	4.523	4.523	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	9.838	9.838	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	2.46	2.46	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	2.46	2.46	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	6.676	6.676	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	1.669	1.669	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	1.669	1.669	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	1.98	1.98	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	1.98	1.98	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	7.92	7.92	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	8.081	8.081	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	8.081	8.081	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	8.081	8.081	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	8.081	8.081	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	8.081	8.081	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	8.081	8.081	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	8.081	8.081	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	8.081	8.081	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	8.081	8.081	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	8.081	8.081	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	8.081	8.081	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	8.081	8.081	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	6.676	6.676	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	12.29	12.29	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	12.536	12.536	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	12.536	12.536	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.%]
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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.%]
1	M25	X	-1.249	-1.249	0	%100
2	M25	Z	2.163	2.163	0	%100
3	M26	X	-3.171	-3.171	0	%100
4	M26	Z	5.492	5.492	0	%100
5	M27	X	-3.171	-3.171	0	%100
6	M27	Z	5.492	5.492	0	%100
7	M28	X	-6.325	-6.325	0	%100
8	M28	Z	10.954	10.954	0	%100
9	M31	X	-3.512	-3.512	0	%100
10	M31	Z	6.083	6.083	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	-2.108	-2.108	0	%100
14	M36	Z	3.651	3.651	0	%100
15	M37	X	-6.442	-6.442	0	%100
16	M37	Z	11.157	11.157	0	%100
17	M39	X	-6.785	-6.785	0	%100
18	M39	Z	11.752	11.752	0	%100
19	M41	X	-2.108	-2.108	0	%100
20	M41	Z	3.651	3.651	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	-1.249	-1.249	0	%100
26	M25A	Z	2.163	2.163	0	%100
27	M26A	X	-3.171	-3.171	0	%100
28	M26A	Z	5.492	5.492	0	%100
29	M27A	X	-3.171	-3.171	0	%100
30	M27A	Z	5.492	5.492	0	%100
31	M28A	X	-6.325	-6.325	0	%100
32	M28A	Z	10.954	10.954	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	-3.512	-3.512	0	%100
36	M32A	Z	6.083	6.083	0	%100
37	M36A	X	-2.108	-2.108	0	%100
38	M36A	Z	3.651	3.651	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	-2.108	-2.108	0	%100
44	M41A	Z	3.651	3.651	0	%100
45	M42A	X	-6.442	-6.442	0	%100
46	M42A	Z	11.157	11.157	0	%100
47	M44A	X	-6.785	-6.785	0	%100
48	M44A	Z	11.752	11.752	0	%100
49	M49	X	-4.996	-4.996	0	%100
50	M49	Z	8.654	8.654	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-3.512	-3.512	0	%100



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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.%]
58	M55	Z	6.083	6.083	0	%100
59	M56	X	-3.512	-3.512	0	%100
60	M56	Z	6.083	6.083	0	%100
61	M60	X	-8.433	-8.433	0	%100
62	M60	Z	14.606	14.606	0	%100
63	M61	X	-6.442	-6.442	0	%100
64	M61	Z	11.157	11.157	0	%100
65	M63	X	-6.785	-6.785	0	%100
66	M63	Z	11.752	11.752	0	%100
67	M65	X	-8.433	-8.433	0	%100
68	M65	Z	14.606	14.606	0	%100
69	M66	X	-6.442	-6.442	0	%100
70	M66	Z	11.157	11.157	0	%100
71	M68	X	-6.785	-6.785	0	%100
72	M68	Z	11.752	11.752	0	%100
73	M73	X	-3.689	-3.689	0	%100
74	M73	Z	6.39	6.39	0	%100
75	M74	X	-3.689	-3.689	0	%100
76	M74	Z	6.39	6.39	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	-2.503	-2.503	0	%100
80	M76	Z	4.336	4.336	0	%100
81	M77	X	-2.503	-2.503	0	%100
82	M77	Z	4.336	4.336	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	-2.97	-2.97	0	%100
86	M85	Z	5.144	5.144	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	-2.97	-2.97	0	%100
90	M87	Z	5.144	5.144	0	%100
91	MP1A	X	-4.041	-4.041	0	%100
92	MP1A	Z	6.999	6.999	0	%100
93	MP2A	X	-4.041	-4.041	0	%100
94	MP2A	Z	6.999	6.999	0	%100
95	MP3A	X	-4.041	-4.041	0	%100
96	MP3A	Z	6.999	6.999	0	%100
97	MP4A	X	-4.041	-4.041	0	%100
98	MP4A	Z	6.999	6.999	0	%100
99	MP1C	X	-4.041	-4.041	0	%100
100	MP1C	Z	6.999	6.999	0	%100
101	MP2C	X	-4.041	-4.041	0	%100
102	MP2C	Z	6.999	6.999	0	%100
103	MP3C	X	-4.041	-4.041	0	%100
104	MP3C	Z	6.999	6.999	0	%100
105	MP4C	X	-4.041	-4.041	0	%100
106	MP4C	Z	6.999	6.999	0	%100
107	MP1B	X	-4.041	-4.041	0	%100
108	MP1B	Z	6.999	6.999	0	%100
109	MP2B	X	-4.041	-4.041	0	%100
110	MP2B	Z	6.999	6.999	0	%100
111	MP3B	X	-4.041	-4.041	0	%100
112	MP3B	Z	6.999	6.999	0	%100
113	MP4B	X	-4.041	-4.041	0	%100
114	MP4B	Z	6.999	6.999	0	%100



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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.%]
115	OVP	X	-3.338	-3.338	0	%100
116	OVP	Z	5.781	5.781	0	%100
117	M126	X	-6.186	-6.186	0	%100
118	M126	Z	10.714	10.714	0	%100
119	M127	X	-6.186	-6.186	0	%100
120	M127	Z	10.714	10.714	0	%100
121	M128	X	-6.309	-6.309	0	%100
122	M128	Z	10.928	10.928	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	M25	X	-6.49	-6.49	0	%100
2	M25	Z	3.747	3.747	0	%100
3	M26	X	-1.831	-1.831	0	%100
4	M26	Z	1.057	1.057	0	%100
5	M27	X	-1.831	-1.831	0	%100
6	M27	Z	1.057	1.057	0	%100
7	M28	X	-3.651	-3.651	0	%100
8	M28	Z	2.108	2.108	0	%100
9	M31	X	-8.11	-8.11	0	%100
10	M31	Z	4.683	4.683	0	%100
11	M32	X	-2.028	-2.028	0	%100
12	M32	Z	1.171	1.171	0	%100
13	M36	X	-10.954	-10.954	0	%100
14	M36	Z	6.325	6.325	0	%100
15	M37	X	-14.876	-14.876	0	%100
16	M37	Z	8.589	8.589	0	%100
17	M39	X	-15.669	-15.669	0	%100
18	M39	Z	9.046	9.046	0	%100
19	M41	X	-10.954	-10.954	0	%100
20	M41	Z	6.325	6.325	0	%100
21	M42	X	-3.719	-3.719	0	%100
22	M42	Z	2.147	2.147	0	%100
23	M44	X	-3.917	-3.917	0	%100
24	M44	Z	2.262	2.262	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	-7.323	-7.323	0	%100
28	M26A	Z	4.228	4.228	0	%100
29	M27A	X	-7.323	-7.323	0	%100
30	M27A	Z	4.228	4.228	0	%100
31	M28A	X	-14.606	-14.606	0	%100
32	M28A	Z	8.433	8.433	0	%100
33	M31A	X	-2.028	-2.028	0	%100
34	M31A	Z	1.171	1.171	0	%100
35	M32A	X	-2.028	-2.028	0	%100
36	M32A	Z	1.171	1.171	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	-3.719	-3.719	0	%100
40	M37A	Z	2.147	2.147	0	%100
41	M39A	X	-3.917	-3.917	0	%100
42	M39A	Z	2.262	2.262	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	-3.719	-3.719	0	%100



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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.%]
46	M42A	Z	2.147	2.147	0	%100
47	M44A	X	-3.917	-3.917	0	%100
48	M44A	Z	2.262	2.262	0	%100
49	M49	X	-6.49	-6.49	0	%100
50	M49	Z	3.747	3.747	0	%100
51	M50	X	-1.831	-1.831	0	%100
52	M50	Z	1.057	1.057	0	%100
53	M51	X	-1.831	-1.831	0	%100
54	M51	Z	1.057	1.057	0	%100
55	M52	X	-3.651	-3.651	0	%100
56	M52	Z	2.108	2.108	0	%100
57	M55	X	-2.028	-2.028	0	%100
58	M55	Z	1.171	1.171	0	%100
59	M56	X	-8.11	-8.11	0	%100
60	M56	Z	4.683	4.683	0	%100
61	M60	X	-10.954	-10.954	0	%100
62	M60	Z	6.325	6.325	0	%100
63	M61	X	-3.719	-3.719	0	%100
64	M61	Z	2.147	2.147	0	%100
65	M63	X	-3.917	-3.917	0	%100
66	M63	Z	2.262	2.262	0	%100
67	M65	X	-10.954	-10.954	0	%100
68	M65	Z	6.325	6.325	0	%100
69	M66	X	-14.876	-14.876	0	%100
70	M66	Z	8.589	8.589	0	%100
71	M68	X	-15.669	-15.669	0	%100
72	M68	Z	9.046	9.046	0	%100
73	M73	X	-2.13	-2.13	0	%100
74	M73	Z	1.23	1.23	0	%100
75	M74	X	-8.52	-8.52	0	%100
76	M74	Z	4.919	4.919	0	%100
77	M75	X	-2.13	-2.13	0	%100
78	M75	Z	1.23	1.23	0	%100
79	M76	X	-1.445	-1.445	0	%100
80	M76	Z	.834	.834	0	%100
81	M77	X	-5.781	-5.781	0	%100
82	M77	Z	3.338	3.338	0	%100
83	M78	X	-1.445	-1.445	0	%100
84	M78	Z	.834	.834	0	%100
85	M85	X	-6.859	-6.859	0	%100
86	M85	Z	3.96	3.96	0	%100
87	M86	X	-1.715	-1.715	0	%100
88	M86	Z	.99	.99	0	%100
89	M87	X	-1.715	-1.715	0	%100
90	M87	Z	.99	.99	0	%100
91	MP1A	X	-6.999	-6.999	0	%100
92	MP1A	Z	4.041	4.041	0	%100
93	MP2A	X	-6.999	-6.999	0	%100
94	MP2A	Z	4.041	4.041	0	%100
95	MP3A	X	-6.999	-6.999	0	%100
96	MP3A	Z	4.041	4.041	0	%100
97	MP4A	X	-6.999	-6.999	0	%100
98	MP4A	Z	4.041	4.041	0	%100
99	MP1C	X	-6.999	-6.999	0	%100
100	MP1C	Z	4.041	4.041	0	%100
101	MP2C	X	-6.999	-6.999	0	%100
102	MP2C	Z	4.041	4.041	0	%100



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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.%]
103	MP3C	X	-6.999	-6.999	0	%100
104	MP3C	Z	4.041	4.041	0	%100
105	MP4C	X	-6.999	-6.999	0	%100
106	MP4C	Z	4.041	4.041	0	%100
107	MP1B	X	-6.999	-6.999	0	%100
108	MP1B	Z	4.041	4.041	0	%100
109	MP2B	X	-6.999	-6.999	0	%100
110	MP2B	Z	4.041	4.041	0	%100
111	MP3B	X	-6.999	-6.999	0	%100
112	MP3B	Z	4.041	4.041	0	%100
113	MP4B	X	-6.999	-6.999	0	%100
114	MP4B	Z	4.041	4.041	0	%100
115	OVP	X	-5.781	-5.781	0	%100
116	OVP	Z	3.338	3.338	0	%100
117	M126	X	-10.857	-10.857	0	%100
118	M126	Z	6.268	6.268	0	%100
119	M127	X	-10.643	-10.643	0	%100
120	M127	Z	6.145	6.145	0	%100
121	M128	X	-10.857	-10.857	0	%100
122	M128	Z	6.268	6.268	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	M25	X	-9.993	-9.993	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	0	0	0	%100
9	M31	X	-7.024	-7.024	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	-7.024	-7.024	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	-16.865	-16.865	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	-12.883	-12.883	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	-13.57	-13.57	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	-16.865	-16.865	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	-12.883	-12.883	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	-13.57	-13.57	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	-2.498	-2.498	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	-6.342	-6.342	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-6.342	-6.342	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	-12.649	-12.649	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	-7.024	-7.024	0	%100



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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.%]
34	M31A	Z	0	0	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	0	0	0	%100
37	M36A	X	-4.216	-4.216	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	-12.883	-12.883	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	-13.57	-13.57	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	-4.216	-4.216	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M49	X	-2.498	-2.498	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-6.342	-6.342	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	-6.342	-6.342	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	-12.649	-12.649	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-7.024	-7.024	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-4.216	-4.216	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-4.216	-4.216	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-12.883	-12.883	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-13.57	-13.57	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-7.379	-7.379	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-7.379	-7.379	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-5.007	-5.007	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	-5.007	-5.007	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	-5.94	-5.94	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	-5.94	-5.94	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	0	0	0	%100



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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.%]
91	MP1A	X	-8.081	-8.081	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	-8.081	-8.081	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-8.081	-8.081	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-8.081	-8.081	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-8.081	-8.081	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-8.081	-8.081	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-8.081	-8.081	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-8.081	-8.081	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-8.081	-8.081	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-8.081	-8.081	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-8.081	-8.081	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-8.081	-8.081	0	%100
114	MP4B	Z	0	0	0	%100
115	OVP	X	-6.676	-6.676	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	-12.618	-12.618	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-12.372	-12.372	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-12.372	-12.372	0	%100
122	M128	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	M25	X	-6.49	-6.49	0	%100
2	M25	Z	-3.747	-3.747	0	%100
3	M26	X	-1.831	-1.831	0	%100
4	M26	Z	-1.057	-1.057	0	%100
5	M27	X	-1.831	-1.831	0	%100
6	M27	Z	-1.057	-1.057	0	%100
7	M28	X	-3.651	-3.651	0	%100
8	M28	Z	-2.108	-2.108	0	%100
9	M31	X	-2.028	-2.028	0	%100
10	M31	Z	-1.171	-1.171	0	%100
11	M32	X	-8.11	-8.11	0	%100
12	M32	Z	-4.683	-4.683	0	%100
13	M36	X	-10.954	-10.954	0	%100
14	M36	Z	-6.325	-6.325	0	%100
15	M37	X	-3.719	-3.719	0	%100
16	M37	Z	-2.147	-2.147	0	%100
17	M39	X	-3.917	-3.917	0	%100
18	M39	Z	-2.262	-2.262	0	%100
19	M41	X	-10.954	-10.954	0	%100
20	M41	Z	-6.325	-6.325	0	%100
21	M42	X	-14.876	-14.876	0	%100



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

Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
22	M42	Z	-8.589	-8.589	0 %100
23	M44	X	-15.669	-15.669	0 %100
24	M44	Z	-9.046	-9.046	0 %100
25	M25A	X	-6.49	-6.49	0 %100
26	M25A	Z	-3.747	-3.747	0 %100
27	M26A	X	-1.831	-1.831	0 %100
28	M26A	Z	-1.057	-1.057	0 %100
29	M27A	X	-1.831	-1.831	0 %100
30	M27A	Z	-1.057	-1.057	0 %100
31	M28A	X	-3.651	-3.651	0 %100
32	M28A	Z	-2.108	-2.108	0 %100
33	M31A	X	-8.11	-8.11	0 %100
34	M31A	Z	-4.683	-4.683	0 %100
35	M32A	X	-2.028	-2.028	0 %100
36	M32A	Z	-1.171	-1.171	0 %100
37	M36A	X	-10.954	-10.954	0 %100
38	M36A	Z	-6.325	-6.325	0 %100
39	M37A	X	-14.876	-14.876	0 %100
40	M37A	Z	-8.589	-8.589	0 %100
41	M39A	X	-15.669	-15.669	0 %100
42	M39A	Z	-9.046	-9.046	0 %100
43	M41A	X	-10.954	-10.954	0 %100
44	M41A	Z	-6.325	-6.325	0 %100
45	M42A	X	-3.719	-3.719	0 %100
46	M42A	Z	-2.147	-2.147	0 %100
47	M44A	X	-3.917	-3.917	0 %100
48	M44A	Z	-2.262	-2.262	0 %100
49	M49	X	0	0	0 %100
50	M49	Z	0	0	0 %100
51	M50	X	-7.323	-7.323	0 %100
52	M50	Z	-4.228	-4.228	0 %100
53	M51	X	-7.323	-7.323	0 %100
54	M51	Z	-4.228	-4.228	0 %100
55	M52	X	-14.606	-14.606	0 %100
56	M52	Z	-8.433	-8.433	0 %100
57	M55	X	-2.028	-2.028	0 %100
58	M55	Z	-1.171	-1.171	0 %100
59	M56	X	-2.028	-2.028	0 %100
60	M56	Z	-1.171	-1.171	0 %100
61	M60	X	0	0	0 %100
62	M60	Z	0	0	0 %100
63	M61	X	-3.719	-3.719	0 %100
64	M61	Z	-2.147	-2.147	0 %100
65	M63	X	-3.917	-3.917	0 %100
66	M63	Z	-2.262	-2.262	0 %100
67	M65	X	0	0	0 %100
68	M65	Z	0	0	0 %100
69	M66	X	-3.719	-3.719	0 %100
70	M66	Z	-2.147	-2.147	0 %100
71	M68	X	-3.917	-3.917	0 %100
72	M68	Z	-2.262	-2.262	0 %100
73	M73	X	-2.13	-2.13	0 %100
74	M73	Z	-1.23	-1.23	0 %100
75	M74	X	-2.13	-2.13	0 %100
76	M74	Z	-1.23	-1.23	0 %100
77	M75	X	-8.52	-8.52	0 %100
78	M75	Z	-4.919	-4.919	0 %100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
79	M76	X	-1.445	-1.445	0	%100
80	M76	Z	-.834	-.834	0	%100
81	M77	X	-1.445	-1.445	0	%100
82	M77	Z	-.834	-.834	0	%100
83	M78	X	-5.781	-5.781	0	%100
84	M78	Z	-3.338	-3.338	0	%100
85	M85	X	-1.715	-1.715	0	%100
86	M85	Z	-.99	-.99	0	%100
87	M86	X	-6.859	-6.859	0	%100
88	M86	Z	-3.96	-3.96	0	%100
89	M87	X	-1.715	-1.715	0	%100
90	M87	Z	-.99	-.99	0	%100
91	MP1A	X	-6.999	-6.999	0	%100
92	MP1A	Z	-4.041	-4.041	0	%100
93	MP2A	X	-6.999	-6.999	0	%100
94	MP2A	Z	-4.041	-4.041	0	%100
95	MP3A	X	-6.999	-6.999	0	%100
96	MP3A	Z	-4.041	-4.041	0	%100
97	MP4A	X	-6.999	-6.999	0	%100
98	MP4A	Z	-4.041	-4.041	0	%100
99	MP1C	X	-6.999	-6.999	0	%100
100	MP1C	Z	-4.041	-4.041	0	%100
101	MP2C	X	-6.999	-6.999	0	%100
102	MP2C	Z	-4.041	-4.041	0	%100
103	MP3C	X	-6.999	-6.999	0	%100
104	MP3C	Z	-4.041	-4.041	0	%100
105	MP4C	X	-6.999	-6.999	0	%100
106	MP4C	Z	-4.041	-4.041	0	%100
107	MP1B	X	-6.999	-6.999	0	%100
108	MP1B	Z	-4.041	-4.041	0	%100
109	MP2B	X	-6.999	-6.999	0	%100
110	MP2B	Z	-4.041	-4.041	0	%100
111	MP3B	X	-6.999	-6.999	0	%100
112	MP3B	Z	-4.041	-4.041	0	%100
113	MP4B	X	-6.999	-6.999	0	%100
114	MP4B	Z	-4.041	-4.041	0	%100
115	OVP	X	-5.781	-5.781	0	%100
116	OVP	Z	-3.338	-3.338	0	%100
117	M126	X	-10.857	-10.857	0	%100
118	M126	Z	-6.268	-6.268	0	%100
119	M127	X	-10.857	-10.857	0	%100
120	M127	Z	-6.268	-6.268	0	%100
121	M128	X	-10.643	-10.643	0	%100
122	M128	Z	-6.145	-6.145	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	M25	X	-1.249	-1.249	0	%100
2	M25	Z	-2.163	-2.163	0	%100
3	M26	X	-3.171	-3.171	0	%100
4	M26	Z	-5.492	-5.492	0	%100
5	M27	X	-3.171	-3.171	0	%100
6	M27	Z	-5.492	-5.492	0	%100
7	M28	X	-6.325	-6.325	0	%100
8	M28	Z	-10.954	-10.954	0	%100
9	M31	X	0	0	0	%100



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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.%]
10	M31	Z	0	0	0	%100
11	M32	X	-3.512	-3.512	0	%100
12	M32	Z	-6.083	-6.083	0	%100
13	M36	X	-2.108	-2.108	0	%100
14	M36	Z	-3.651	-3.651	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	-2.108	-2.108	0	%100
20	M41	Z	-3.651	-3.651	0	%100
21	M42	X	-6.442	-6.442	0	%100
22	M42	Z	-11.157	-11.157	0	%100
23	M44	X	-6.785	-6.785	0	%100
24	M44	Z	-11.752	-11.752	0	%100
25	M25A	X	-4.996	-4.996	0	%100
26	M25A	Z	-8.654	-8.654	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	-3.512	-3.512	0	%100
34	M31A	Z	-6.083	-6.083	0	%100
35	M32A	X	-3.512	-3.512	0	%100
36	M32A	Z	-6.083	-6.083	0	%100
37	M36A	X	-8.433	-8.433	0	%100
38	M36A	Z	-14.606	-14.606	0	%100
39	M37A	X	-6.442	-6.442	0	%100
40	M37A	Z	-11.157	-11.157	0	%100
41	M39A	X	-6.785	-6.785	0	%100
42	M39A	Z	-11.752	-11.752	0	%100
43	M41A	X	-8.433	-8.433	0	%100
44	M41A	Z	-14.606	-14.606	0	%100
45	M42A	X	-6.442	-6.442	0	%100
46	M42A	Z	-11.157	-11.157	0	%100
47	M44A	X	-6.785	-6.785	0	%100
48	M44A	Z	-11.752	-11.752	0	%100
49	M49	X	-1.249	-1.249	0	%100
50	M49	Z	-2.163	-2.163	0	%100
51	M50	X	-3.171	-3.171	0	%100
52	M50	Z	-5.492	-5.492	0	%100
53	M51	X	-3.171	-3.171	0	%100
54	M51	Z	-5.492	-5.492	0	%100
55	M52	X	-6.325	-6.325	0	%100
56	M52	Z	-10.954	-10.954	0	%100
57	M55	X	-3.512	-3.512	0	%100
58	M55	Z	-6.083	-6.083	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-2.108	-2.108	0	%100
62	M60	Z	-3.651	-3.651	0	%100
63	M61	X	-6.442	-6.442	0	%100
64	M61	Z	-11.157	-11.157	0	%100
65	M63	X	-6.785	-6.785	0	%100
66	M63	Z	-11.752	-11.752	0	%100



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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.%]
67	M65	X	-2.108	-2.108	0	%100
68	M65	Z	-3.651	-3.651	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-3.689	-3.689	0	%100
74	M73	Z	-6.39	-6.39	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-3.689	-3.689	0	%100
78	M75	Z	-6.39	-6.39	0	%100
79	M76	X	-2.503	-2.503	0	%100
80	M76	Z	-4.336	-4.336	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	-2.503	-2.503	0	%100
84	M78	Z	-4.336	-4.336	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	-2.97	-2.97	0	%100
88	M86	Z	-5.144	-5.144	0	%100
89	M87	X	-2.97	-2.97	0	%100
90	M87	Z	-5.144	-5.144	0	%100
91	MP1A	X	-4.041	-4.041	0	%100
92	MP1A	Z	-6.999	-6.999	0	%100
93	MP2A	X	-4.041	-4.041	0	%100
94	MP2A	Z	-6.999	-6.999	0	%100
95	MP3A	X	-4.041	-4.041	0	%100
96	MP3A	Z	-6.999	-6.999	0	%100
97	MP4A	X	-4.041	-4.041	0	%100
98	MP4A	Z	-6.999	-6.999	0	%100
99	MP1C	X	-4.041	-4.041	0	%100
100	MP1C	Z	-6.999	-6.999	0	%100
101	MP2C	X	-4.041	-4.041	0	%100
102	MP2C	Z	-6.999	-6.999	0	%100
103	MP3C	X	-4.041	-4.041	0	%100
104	MP3C	Z	-6.999	-6.999	0	%100
105	MP4C	X	-4.041	-4.041	0	%100
106	MP4C	Z	-6.999	-6.999	0	%100
107	MP1B	X	-4.041	-4.041	0	%100
108	MP1B	Z	-6.999	-6.999	0	%100
109	MP2B	X	-4.041	-4.041	0	%100
110	MP2B	Z	-6.999	-6.999	0	%100
111	MP3B	X	-4.041	-4.041	0	%100
112	MP3B	Z	-6.999	-6.999	0	%100
113	MP4B	X	-4.041	-4.041	0	%100
114	MP4B	Z	-6.999	-6.999	0	%100
115	OVP	X	-3.338	-3.338	0	%100
116	OVP	Z	-5.781	-5.781	0	%100
117	M126	X	-6.186	-6.186	0	%100
118	M126	Z	-10.714	-10.714	0	%100
119	M127	X	-6.309	-6.309	0	%100
120	M127	Z	-10.928	-10.928	0	%100
121	M128	X	-6.186	-6.186	0	%100
122	M128	Z	-10.714	-10.714	0	%100



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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	M25	X	0	0	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	-1.613	-1.613	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-1.613	-1.613	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	-2.529	-2.529	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	-465	-465	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	-465	-465	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	-631	-631	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	-659	-659	0	%100
19	M41	X	0	0	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	-631	-631	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	-659	-659	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	-1.48	-1.48	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	-403	-403	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	-403	-403	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	-632	-632	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	-465	-465	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	-1.858	-1.858	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	-1.865	-1.865	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	-631	-631	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-659	-659	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	-1.865	-1.865	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	-2.524	-2.524	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-2.635	-2.635	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-1.48	-1.48	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	-403	-403	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	-403	-403	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	-632	-632	0	%100
57	M55	X	0	0	0	%100



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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.%]
58	M55	Z	-1.858	-1.858	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-465	-465	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-1.865	-1.865	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-2.524	-2.524	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-2.635	-2.635	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-1.865	-1.865	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-631	-631	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-659	-659	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-1.955	-1.955	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-489	-489	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-489	-489	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	-1.573	-1.573	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	-393	-393	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	-393	-393	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	-366	-366	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	-366	-366	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	-1.462	-1.462	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-1.743	-1.743	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-1.743	-1.743	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-1.743	-1.743	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-1.743	-1.743	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-1.743	-1.743	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-1.743	-1.743	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-1.743	-1.743	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-1.743	-1.743	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-1.743	-1.743	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-1.743	-1.743	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-1.743	-1.743	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-1.743	-1.743	0	%100



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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.%]
115	OVP	X	0	0	0	%100
116	OVP	Z	-1.573	-1.573	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-1.898	-1.898	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-2.193	-2.193	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-2.193	-2.193	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M25	X	.247	.247	0	%100
2	M25	Z	-.427	-.427	0	%100
3	M26	X	.605	.605	0	%100
4	M26	Z	-1.048	-1.048	0	%100
5	M27	X	.605	.605	0	%100
6	M27	Z	-1.048	-1.048	0	%100
7	M28	X	.948	.948	0	%100
8	M28	Z	-1.643	-1.643	0	%100
9	M31	X	.697	.697	0	%100
10	M31	Z	-1.207	-1.207	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	.311	.311	0	%100
14	M36	Z	-.538	-.538	0	%100
15	M37	X	.947	.947	0	%100
16	M37	Z	-1.64	-1.64	0	%100
17	M39	X	.988	.988	0	%100
18	M39	Z	-1.712	-1.712	0	%100
19	M41	X	.311	.311	0	%100
20	M41	Z	-.538	-.538	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	.247	.247	0	%100
26	M25A	Z	-.427	-.427	0	%100
27	M26A	X	.605	.605	0	%100
28	M26A	Z	-1.048	-1.048	0	%100
29	M27A	X	.605	.605	0	%100
30	M27A	Z	-1.048	-1.048	0	%100
31	M28A	X	.948	.948	0	%100
32	M28A	Z	-1.643	-1.643	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	.697	.697	0	%100
36	M32A	Z	-1.207	-1.207	0	%100
37	M36A	X	.311	.311	0	%100
38	M36A	Z	-.538	-.538	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	.311	.311	0	%100
44	M41A	Z	-.538	-.538	0	%100
45	M42A	X	.947	.947	0	%100



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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.%)
46	M42A	Z	-1.64	-1.64	0	%100
47	M44A	X	.988	.988	0	%100
48	M44A	Z	-1.712	-1.712	0	%100
49	M49	X	.987	.987	0	%100
50	M49	Z	-1.709	-1.709	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	.697	.697	0	%100
58	M55	Z	-1.207	-1.207	0	%100
59	M56	X	.697	.697	0	%100
60	M56	Z	-1.207	-1.207	0	%100
61	M60	X	1.243	1.243	0	%100
62	M60	Z	-2.153	-2.153	0	%100
63	M61	X	.947	.947	0	%100
64	M61	Z	-1.64	-1.64	0	%100
65	M63	X	.988	.988	0	%100
66	M63	Z	-1.712	-1.712	0	%100
67	M65	X	1.243	1.243	0	%100
68	M65	Z	-2.153	-2.153	0	%100
69	M66	X	.947	.947	0	%100
70	M66	Z	-1.64	-1.64	0	%100
71	M68	X	.988	.988	0	%100
72	M68	Z	-1.712	-1.712	0	%100
73	M73	X	.733	.733	0	%100
74	M73	Z	-1.27	-1.27	0	%100
75	M74	X	.733	.733	0	%100
76	M74	Z	-1.27	-1.27	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	.59	.59	0	%100
80	M76	Z	-1.021	-1.021	0	%100
81	M77	X	.59	.59	0	%100
82	M77	Z	-1.021	-1.021	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	.548	.548	0	%100
86	M85	Z	-.95	-.95	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	.548	.548	0	%100
90	M87	Z	-.95	-.95	0	%100
91	MP1A	X	.871	.871	0	%100
92	MP1A	Z	-1.509	-1.509	0	%100
93	MP2A	X	.871	.871	0	%100
94	MP2A	Z	-1.509	-1.509	0	%100
95	MP3A	X	.871	.871	0	%100
96	MP3A	Z	-1.509	-1.509	0	%100
97	MP4A	X	.871	.871	0	%100
98	MP4A	Z	-1.509	-1.509	0	%100
99	MP1C	X	.871	.871	0	%100
100	MP1C	Z	-1.509	-1.509	0	%100
101	MP2C	X	.871	.871	0	%100
102	MP2C	Z	-1.509	-1.509	0	%100



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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.%]
103	MP3C	X	.871	.871	0	%100
104	MP3C	Z	-1.509	-1.509	0	%100
105	MP4C	X	.871	.871	0	%100
106	MP4C	Z	-1.509	-1.509	0	%100
107	MP1B	X	.871	.871	0	%100
108	MP1B	Z	-1.509	-1.509	0	%100
109	MP2B	X	.871	.871	0	%100
110	MP2B	Z	-1.509	-1.509	0	%100
111	MP3B	X	.871	.871	0	%100
112	MP3B	Z	-1.509	-1.509	0	%100
113	MP4B	X	.871	.871	0	%100
114	MP4B	Z	-1.509	-1.509	0	%100
115	OVP	X	.786	.786	0	%100
116	OVP	Z	-1.362	-1.362	0	%100
117	M126	X	.998	.998	0	%100
118	M126	Z	-1.729	-1.729	0	%100
119	M127	X	.998	.998	0	%100
120	M127	Z	-1.729	-1.729	0	%100
121	M128	X	1.146	1.146	0	%100
122	M128	Z	-1.984	-1.984	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	M25	X	1.282	1.282	0	%100
2	M25	Z	-.74	-.74	0	%100
3	M26	X	.349	.349	0	%100
4	M26	Z	-.202	-.202	0	%100
5	M27	X	.349	.349	0	%100
6	M27	Z	-.202	-.202	0	%100
7	M28	X	.548	.548	0	%100
8	M28	Z	-.316	-.316	0	%100
9	M31	X	1.609	1.609	0	%100
10	M31	Z	-.929	-.929	0	%100
11	M32	X	.402	.402	0	%100
12	M32	Z	-.232	-.232	0	%100
13	M36	X	1.615	1.615	0	%100
14	M36	Z	-.932	-.932	0	%100
15	M37	X	2.186	2.186	0	%100
16	M37	Z	-1.262	-1.262	0	%100
17	M39	X	2.282	2.282	0	%100
18	M39	Z	-1.318	-1.318	0	%100
19	M41	X	1.615	1.615	0	%100
20	M41	Z	-.932	-.932	0	%100
21	M42	X	.547	.547	0	%100
22	M42	Z	-.316	-.316	0	%100
23	M44	X	.571	.571	0	%100
24	M44	Z	-.329	-.329	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	1.397	1.397	0	%100
28	M26A	Z	-.807	-.807	0	%100
29	M27A	X	1.397	1.397	0	%100
30	M27A	Z	-.807	-.807	0	%100
31	M28A	X	2.19	2.19	0	%100
32	M28A	Z	-1.265	-1.265	0	%100
33	M31A	X	.402	.402	0	%100



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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.%]
34	M31A	Z	-232	-232	0	%100
35	M32A	X	402	402	0	%100
36	M32A	Z	-232	-232	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	.547	.547	0	%100
40	M37A	Z	-.316	-.316	0	%100
41	M39A	X	.571	.571	0	%100
42	M39A	Z	-.329	-.329	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	.547	.547	0	%100
46	M42A	Z	-.316	-.316	0	%100
47	M44A	X	.571	.571	0	%100
48	M44A	Z	-.329	-.329	0	%100
49	M49	X	1.282	1.282	0	%100
50	M49	Z	-.74	-.74	0	%100
51	M50	X	.349	.349	0	%100
52	M50	Z	-.202	-.202	0	%100
53	M51	X	.349	.349	0	%100
54	M51	Z	-.202	-.202	0	%100
55	M52	X	.548	.548	0	%100
56	M52	Z	-.316	-.316	0	%100
57	M55	X	.402	.402	0	%100
58	M55	Z	-.232	-.232	0	%100
59	M56	X	1.609	1.609	0	%100
60	M56	Z	-.929	-.929	0	%100
61	M60	X	1.615	1.615	0	%100
62	M60	Z	-.932	-.932	0	%100
63	M61	X	.547	.547	0	%100
64	M61	Z	-.316	-.316	0	%100
65	M63	X	.571	.571	0	%100
66	M63	Z	-.329	-.329	0	%100
67	M65	X	1.615	1.615	0	%100
68	M65	Z	-.932	-.932	0	%100
69	M66	X	2.186	2.186	0	%100
70	M66	Z	-1.262	-1.262	0	%100
71	M68	X	2.282	2.282	0	%100
72	M68	Z	-1.318	-1.318	0	%100
73	M73	X	.423	.423	0	%100
74	M73	Z	-.244	-.244	0	%100
75	M74	X	1.693	1.693	0	%100
76	M74	Z	-.978	-.978	0	%100
77	M75	X	.423	.423	0	%100
78	M75	Z	-.244	-.244	0	%100
79	M76	X	.34	.34	0	%100
80	M76	Z	-.197	-.197	0	%100
81	M77	X	1.362	1.362	0	%100
82	M77	Z	-.786	-.786	0	%100
83	M78	X	.34	.34	0	%100
84	M78	Z	-.197	-.197	0	%100
85	M85	X	1.266	1.266	0	%100
86	M85	Z	-.731	-.731	0	%100
87	M86	X	.317	.317	0	%100
88	M86	Z	-.183	-.183	0	%100
89	M87	X	.317	.317	0	%100
90	M87	Z	-.183	-.183	0	%100



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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.%]
91	MP1A	X	1.509	1.509	0	%100
92	MP1A	Z	-871	-871	0	%100
93	MP2A	X	1.509	1.509	0	%100
94	MP2A	Z	-871	-871	0	%100
95	MP3A	X	1.509	1.509	0	%100
96	MP3A	Z	-871	-871	0	%100
97	MP4A	X	1.509	1.509	0	%100
98	MP4A	Z	-871	-871	0	%100
99	MP1C	X	1.509	1.509	0	%100
100	MP1C	Z	-871	-871	0	%100
101	MP2C	X	1.509	1.509	0	%100
102	MP2C	Z	-871	-871	0	%100
103	MP3C	X	1.509	1.509	0	%100
104	MP3C	Z	-871	-871	0	%100
105	MP4C	X	1.509	1.509	0	%100
106	MP4C	Z	-871	-871	0	%100
107	MP1B	X	1.509	1.509	0	%100
108	MP1B	Z	-871	-871	0	%100
109	MP2B	X	1.509	1.509	0	%100
110	MP2B	Z	-871	-871	0	%100
111	MP3B	X	1.509	1.509	0	%100
112	MP3B	Z	-871	-871	0	%100
113	MP4B	X	1.509	1.509	0	%100
114	MP4B	Z	-871	-871	0	%100
115	OVP	X	1.362	1.362	0	%100
116	OVP	Z	-786	-786	0	%100
117	M126	X	1.899	1.899	0	%100
118	M126	Z	-1.097	-1.097	0	%100
119	M127	X	1.644	1.644	0	%100
120	M127	Z	-949	-949	0	%100
121	M128	X	1.899	1.899	0	%100
122	M128	Z	-1.097	-1.097	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	M25	X	1.974	1.974	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	0	0	0	%100
9	M31	X	1.394	1.394	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	1.394	1.394	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	2.487	2.487	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	1.893	1.893	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	1.976	1.976	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	2.487	2.487	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	1.893	1.893	0	%100



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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,%]
22	M42	Z	0	0	0	%100
23	M44	X	1.976	1.976	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	.493	.493	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	1.21	1.21	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	1.21	1.21	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	1.897	1.897	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	1.394	1.394	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	0	0	0	%100
37	M36A	X	.622	.622	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	1.893	1.893	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	1.976	1.976	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	.622	.622	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M49	X	.493	.493	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	1.21	1.21	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	1.21	1.21	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	1.897	1.897	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	1.394	1.394	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.622	.622	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.622	.622	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	1.893	1.893	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	1.976	1.976	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	1.466	1.466	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	1.466	1.466	0	%100
78	M75	Z	0	0	0	%100



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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.%]
79	M76	X	0	0	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	1.179	1.179	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	1.179	1.179	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	1.097	1.097	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	1.097	1.097	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	0	0	0	%100
91	MP1A	X	1.743	1.743	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	1.743	1.743	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	1.743	1.743	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	1.743	1.743	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	1.743	1.743	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	1.743	1.743	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	1.743	1.743	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	1.743	1.743	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	1.743	1.743	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	1.743	1.743	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	1.743	1.743	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	1.743	1.743	0	%100
114	MP4B	Z	0	0	0	%100
115	OVP	X	1.573	1.573	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	2.291	2.291	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	1.996	1.996	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	1.996	1.996	0	%100
122	M128	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	M25	X	1.282	1.282	0	%100
2	M25	Z	.74	.74	0	%100
3	M26	X	.349	.349	0	%100
4	M26	Z	.202	.202	0	%100
5	M27	X	.349	.349	0	%100
6	M27	Z	.202	.202	0	%100
7	M28	X	.548	.548	0	%100
8	M28	Z	.316	.316	0	%100
9	M31	X	.402	.402	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.]	End Magnitude[lb/ft.]	Start Location[ft.%]	End Location[ft.%]
10	M31	Z	.232	.232	0	%100
11	M32	X	1.609	1.609	0	%100
12	M32	Z	.929	.929	0	%100
13	M36	X	1.615	1.615	0	%100
14	M36	Z	.932	.932	0	%100
15	M37	X	.547	.547	0	%100
16	M37	Z	.316	.316	0	%100
17	M39	X	.571	.571	0	%100
18	M39	Z	.329	.329	0	%100
19	M41	X	1.615	1.615	0	%100
20	M41	Z	.932	.932	0	%100
21	M42	X	2.186	2.186	0	%100
22	M42	Z	1.262	1.262	0	%100
23	M44	X	2.282	2.282	0	%100
24	M44	Z	1.318	1.318	0	%100
25	M25A	X	1.282	1.282	0	%100
26	M25A	Z	.74	.74	0	%100
27	M26A	X	.349	.349	0	%100
28	M26A	Z	.202	.202	0	%100
29	M27A	X	.349	.349	0	%100
30	M27A	Z	.202	.202	0	%100
31	M28A	X	.548	.548	0	%100
32	M28A	Z	.316	.316	0	%100
33	M31A	X	1.609	1.609	0	%100
34	M31A	Z	.929	.929	0	%100
35	M32A	X	.402	.402	0	%100
36	M32A	Z	.232	.232	0	%100
37	M36A	X	1.615	1.615	0	%100
38	M36A	Z	.932	.932	0	%100
39	M37A	X	2.186	2.186	0	%100
40	M37A	Z	1.262	1.262	0	%100
41	M39A	X	2.282	2.282	0	%100
42	M39A	Z	1.318	1.318	0	%100
43	M41A	X	1.615	1.615	0	%100
44	M41A	Z	.932	.932	0	%100
45	M42A	X	.547	.547	0	%100
46	M42A	Z	.316	.316	0	%100
47	M44A	X	.571	.571	0	%100
48	M44A	Z	.329	.329	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	1.397	1.397	0	%100
52	M50	Z	.807	.807	0	%100
53	M51	X	1.397	1.397	0	%100
54	M51	Z	.807	.807	0	%100
55	M52	X	2.19	2.19	0	%100
56	M52	Z	1.265	1.265	0	%100
57	M55	X	.402	.402	0	%100
58	M55	Z	.232	.232	0	%100
59	M56	X	.402	.402	0	%100
60	M56	Z	.232	.232	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.547	.547	0	%100
64	M61	Z	.316	.316	0	%100
65	M63	X	.571	.571	0	%100
66	M63	Z	.329	.329	0	%100



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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.%]
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.547	.547	0	%100
70	M66	Z	.316	.316	0	%100
71	M68	X	.571	.571	0	%100
72	M68	Z	.329	.329	0	%100
73	M73	X	.423	.423	0	%100
74	M73	Z	.244	.244	0	%100
75	M74	X	.423	.423	0	%100
76	M74	Z	.244	.244	0	%100
77	M75	X	1.693	1.693	0	%100
78	M75	Z	.978	.978	0	%100
79	M76	X	.34	.34	0	%100
80	M76	Z	.197	.197	0	%100
81	M77	X	.34	.34	0	%100
82	M77	Z	.197	.197	0	%100
83	M78	X	1.362	1.362	0	%100
84	M78	Z	.786	.786	0	%100
85	M85	X	.317	.317	0	%100
86	M85	Z	.183	.183	0	%100
87	M86	X	1.266	1.266	0	%100
88	M86	Z	.731	.731	0	%100
89	M87	X	.317	.317	0	%100
90	M87	Z	.183	.183	0	%100
91	MP1A	X	1.509	1.509	0	%100
92	MP1A	Z	.871	.871	0	%100
93	MP2A	X	1.509	1.509	0	%100
94	MP2A	Z	.871	.871	0	%100
95	MP3A	X	1.509	1.509	0	%100
96	MP3A	Z	.871	.871	0	%100
97	MP4A	X	1.509	1.509	0	%100
98	MP4A	Z	.871	.871	0	%100
99	MP1C	X	1.509	1.509	0	%100
100	MP1C	Z	.871	.871	0	%100
101	MP2C	X	1.509	1.509	0	%100
102	MP2C	Z	.871	.871	0	%100
103	MP3C	X	1.509	1.509	0	%100
104	MP3C	Z	.871	.871	0	%100
105	MP4C	X	1.509	1.509	0	%100
106	MP4C	Z	.871	.871	0	%100
107	MP1B	X	1.509	1.509	0	%100
108	MP1B	Z	.871	.871	0	%100
109	MP2B	X	1.509	1.509	0	%100
110	MP2B	Z	.871	.871	0	%100
111	MP3B	X	1.509	1.509	0	%100
112	MP3B	Z	.871	.871	0	%100
113	MP4B	X	1.509	1.509	0	%100
114	MP4B	Z	.871	.871	0	%100
115	OVP	X	1.362	1.362	0	%100
116	OVP	Z	.786	.786	0	%100
117	M126	X	1.899	1.899	0	%100
118	M126	Z	1.097	1.097	0	%100
119	M127	X	1.899	1.899	0	%100
120	M127	Z	1.097	1.097	0	%100
121	M128	X	1.644	1.644	0	%100
122	M128	Z	.949	.949	0	%100



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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	M25	X	.247	.247	0	%100
2	M25	Z	.427	.427	0	%100
3	M26	X	.605	.605	0	%100
4	M26	Z	1.048	1.048	0	%100
5	M27	X	.605	.605	0	%100
6	M27	Z	1.048	1.048	0	%100
7	M28	X	.948	.948	0	%100
8	M28	Z	1.643	1.643	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	.697	.697	0	%100
12	M32	Z	1.207	1.207	0	%100
13	M36	X	.311	.311	0	%100
14	M36	Z	.538	.538	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	.311	.311	0	%100
20	M41	Z	.538	.538	0	%100
21	M42	X	.947	.947	0	%100
22	M42	Z	1.64	1.64	0	%100
23	M44	X	.988	.988	0	%100
24	M44	Z	1.712	1.712	0	%100
25	M25A	X	.987	.987	0	%100
26	M25A	Z	1.709	1.709	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	.697	.697	0	%100
34	M31A	Z	1.207	1.207	0	%100
35	M32A	X	.697	.697	0	%100
36	M32A	Z	1.207	1.207	0	%100
37	M36A	X	1.243	1.243	0	%100
38	M36A	Z	2.153	2.153	0	%100
39	M37A	X	.947	.947	0	%100
40	M37A	Z	1.64	1.64	0	%100
41	M39A	X	.988	.988	0	%100
42	M39A	Z	1.712	1.712	0	%100
43	M41A	X	1.243	1.243	0	%100
44	M41A	Z	2.153	2.153	0	%100
45	M42A	X	.947	.947	0	%100
46	M42A	Z	1.64	1.64	0	%100
47	M44A	X	.988	.988	0	%100
48	M44A	Z	1.712	1.712	0	%100
49	M49	X	.247	.247	0	%100
50	M49	Z	.427	.427	0	%100
51	M50	X	.605	.605	0	%100
52	M50	Z	1.048	1.048	0	%100
53	M51	X	.605	.605	0	%100
54	M51	Z	1.048	1.048	0	%100
55	M52	X	.948	.948	0	%100
56	M52	Z	1.643	1.643	0	%100
57	M55	X	.697	.697	0	%100



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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.%)
58	M55	Z	1.207	1.207	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	.311	.311	0 %100
62	M60	Z	.538	.538	0 %100
63	M61	X	.947	.947	0 %100
64	M61	Z	1.64	1.64	0 %100
65	M63	X	.988	.988	0 %100
66	M63	Z	1.712	1.712	0 %100
67	M65	X	.311	.311	0 %100
68	M65	Z	.538	.538	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	.733	.733	0 %100
74	M73	Z	1.27	1.27	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	.733	.733	0 %100
78	M75	Z	1.27	1.27	0 %100
79	M76	X	.59	.59	0 %100
80	M76	Z	1.021	1.021	0 %100
81	M77	X	0	0	0 %100
82	M77	Z	0	0	0 %100
83	M78	X	.59	.59	0 %100
84	M78	Z	1.021	1.021	0 %100
85	M85	X	0	0	0 %100
86	M85	Z	0	0	0 %100
87	M86	X	.548	.548	0 %100
88	M86	Z	.95	.95	0 %100
89	M87	X	.548	.548	0 %100
90	M87	Z	.95	.95	0 %100
91	MP1A	X	.871	.871	0 %100
92	MP1A	Z	1.509	1.509	0 %100
93	MP2A	X	.871	.871	0 %100
94	MP2A	Z	1.509	1.509	0 %100
95	MP3A	X	.871	.871	0 %100
96	MP3A	Z	1.509	1.509	0 %100
97	MP4A	X	.871	.871	0 %100
98	MP4A	Z	1.509	1.509	0 %100
99	MP1C	X	.871	.871	0 %100
100	MP1C	Z	1.509	1.509	0 %100
101	MP2C	X	.871	.871	0 %100
102	MP2C	Z	1.509	1.509	0 %100
103	MP3C	X	.871	.871	0 %100
104	MP3C	Z	1.509	1.509	0 %100
105	MP4C	X	.871	.871	0 %100
106	MP4C	Z	1.509	1.509	0 %100
107	MP1B	X	.871	.871	0 %100
108	MP1B	Z	1.509	1.509	0 %100
109	MP2B	X	.871	.871	0 %100
110	MP2B	Z	1.509	1.509	0 %100
111	MP3B	X	.871	.871	0 %100
112	MP3B	Z	1.509	1.509	0 %100
113	MP4B	X	.871	.871	0 %100
114	MP4B	Z	1.509	1.509	0 %100



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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.%]
115	OVP	X	.786	.786	0	%100
116	OVP	Z	1.362	1.362	0	%100
117	M126	X	.998	.998	0	%100
118	M126	Z	1.729	1.729	0	%100
119	M127	X	1.146	1.146	0	%100
120	M127	Z	1.984	1.984	0	%100
121	M128	X	.998	.998	0	%100
122	M128	Z	1.729	1.729	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	M25	X	0	0	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	1.613	1.613	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	1.613	1.613	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	2.529	2.529	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	.465	.465	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	.465	.465	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	.631	.631	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	.659	.659	0	%100
19	M41	X	0	0	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	.631	.631	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	.659	.659	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	1.48	1.48	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	.403	.403	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	.403	.403	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	.632	.632	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	.465	.465	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	1.858	1.858	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	1.865	1.865	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	.631	.631	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	.659	.659	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	1.865	1.865	0	%100
45	M42A	X	0	0	0	%100



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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,%]
46	M42A	Z	2.524	2.524	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	2.635	2.635	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	1.48	1.48	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	.403	.403	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	.403	.403	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	.632	.632	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	1.858	1.858	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.465	.465	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	1.865	1.865	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	2.524	2.524	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	2.635	2.635	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	1.865	1.865	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.631	.631	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	.659	.659	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	1.955	1.955	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.489	.489	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.489	.489	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	1.573	1.573	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	.393	.393	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	.393	.393	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	.366	.366	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	.366	.366	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	1.462	1.462	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	1.743	1.743	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	1.743	1.743	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	1.743	1.743	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	1.743	1.743	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	1.743	1.743	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	1.743	1.743	0	%100



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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.%]
103	MP3C	X	0	0	0	%100
104	MP3C	Z	1.743	1.743	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	1.743	1.743	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	1.743	1.743	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	1.743	1.743	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	1.743	1.743	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	1.743	1.743	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	1.573	1.573	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	1.898	1.898	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	2.193	2.193	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	2.193	2.193	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	M25	X	-.247	-.247	0	%100
2	M25	Z	.427	.427	0	%100
3	M26	X	-.605	-.605	0	%100
4	M26	Z	1.048	1.048	0	%100
5	M27	X	-.605	-.605	0	%100
6	M27	Z	1.048	1.048	0	%100
7	M28	X	-.948	-.948	0	%100
8	M28	Z	1.643	1.643	0	%100
9	M31	X	-.697	-.697	0	%100
10	M31	Z	1.207	1.207	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	-.311	-.311	0	%100
14	M36	Z	.538	.538	0	%100
15	M37	X	-.947	-.947	0	%100
16	M37	Z	1.64	1.64	0	%100
17	M39	X	-.988	-.988	0	%100
18	M39	Z	1.712	1.712	0	%100
19	M41	X	-.311	-.311	0	%100
20	M41	Z	.538	.538	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	-.247	-.247	0	%100
26	M25A	Z	.427	.427	0	%100
27	M26A	X	-.605	-.605	0	%100
28	M26A	Z	1.048	1.048	0	%100
29	M27A	X	-.605	-.605	0	%100
30	M27A	Z	1.048	1.048	0	%100
31	M28A	X	-.948	-.948	0	%100
32	M28A	Z	1.643	1.643	0	%100
33	M31A	X	0	0	0	%100



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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,%)
34	M31A	Z	0	0	0	%100
35	M32A	X	-.697	-.697	0	%100
36	M32A	Z	1.207	1.207	0	%100
37	M36A	X	-.311	-.311	0	%100
38	M36A	Z	.538	.538	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	-.311	-.311	0	%100
44	M41A	Z	.538	.538	0	%100
45	M42A	X	-.947	-.947	0	%100
46	M42A	Z	1.64	1.64	0	%100
47	M44A	X	-.988	-.988	0	%100
48	M44A	Z	1.712	1.712	0	%100
49	M49	X	-.987	-.987	0	%100
50	M49	Z	1.709	1.709	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-.697	-.697	0	%100
58	M55	Z	1.207	1.207	0	%100
59	M56	X	-.697	-.697	0	%100
60	M56	Z	1.207	1.207	0	%100
61	M60	X	-1.243	-1.243	0	%100
62	M60	Z	2.153	2.153	0	%100
63	M61	X	-.947	-.947	0	%100
64	M61	Z	1.64	1.64	0	%100
65	M63	X	-.988	-.988	0	%100
66	M63	Z	1.712	1.712	0	%100
67	M65	X	-1.243	-1.243	0	%100
68	M65	Z	2.153	2.153	0	%100
69	M66	X	-.947	-.947	0	%100
70	M66	Z	1.64	1.64	0	%100
71	M68	X	-.988	-.988	0	%100
72	M68	Z	1.712	1.712	0	%100
73	M73	X	-.733	-.733	0	%100
74	M73	Z	1.27	1.27	0	%100
75	M74	X	-.733	-.733	0	%100
76	M74	Z	1.27	1.27	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	-.59	-.59	0	%100
80	M76	Z	1.021	1.021	0	%100
81	M77	X	-.59	-.59	0	%100
82	M77	Z	1.021	1.021	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	-.548	-.548	0	%100
86	M85	Z	.95	.95	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	-.548	-.548	0	%100
90	M87	Z	.95	.95	0	%100



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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.%]
91	MP1A	X	-871	-871	0	%100
92	MP1A	Z	1.509	1.509	0	%100
93	MP2A	X	-871	-871	0	%100
94	MP2A	Z	1.509	1.509	0	%100
95	MP3A	X	-871	-871	0	%100
96	MP3A	Z	1.509	1.509	0	%100
97	MP4A	X	-871	-871	0	%100
98	MP4A	Z	1.509	1.509	0	%100
99	MP1C	X	-871	-871	0	%100
100	MP1C	Z	1.509	1.509	0	%100
101	MP2C	X	-871	-871	0	%100
102	MP2C	Z	1.509	1.509	0	%100
103	MP3C	X	-871	-871	0	%100
104	MP3C	Z	1.509	1.509	0	%100
105	MP4C	X	-871	-871	0	%100
106	MP4C	Z	1.509	1.509	0	%100
107	MP1B	X	-871	-871	0	%100
108	MP1B	Z	1.509	1.509	0	%100
109	MP2B	X	-871	-871	0	%100
110	MP2B	Z	1.509	1.509	0	%100
111	MP3B	X	-871	-871	0	%100
112	MP3B	Z	1.509	1.509	0	%100
113	MP4B	X	-871	-871	0	%100
114	MP4B	Z	1.509	1.509	0	%100
115	OVP	X	-786	-786	0	%100
116	OVP	Z	1.362	1.362	0	%100
117	M126	X	-998	-998	0	%100
118	M126	Z	1.729	1.729	0	%100
119	M127	X	-998	-998	0	%100
120	M127	Z	1.729	1.729	0	%100
121	M128	X	-1.146	-1.146	0	%100
122	M128	Z	1.984	1.984	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	M25	X	-1.282	-1.282	0	%100
2	M25	Z	.74	.74	0	%100
3	M26	X	-349	-349	0	%100
4	M26	Z	.202	.202	0	%100
5	M27	X	-349	-349	0	%100
6	M27	Z	.202	.202	0	%100
7	M28	X	-.548	-.548	0	%100
8	M28	Z	.316	.316	0	%100
9	M31	X	-1.609	-1.609	0	%100
10	M31	Z	.929	.929	0	%100
11	M32	X	-.402	-.402	0	%100
12	M32	Z	.232	.232	0	%100
13	M36	X	-1.615	-1.615	0	%100
14	M36	Z	.932	.932	0	%100
15	M37	X	-2.186	-2.186	0	%100
16	M37	Z	1.262	1.262	0	%100
17	M39	X	-2.282	-2.282	0	%100
18	M39	Z	1.318	1.318	0	%100
19	M41	X	-1.615	-1.615	0	%100
20	M41	Z	.932	.932	0	%100
21	M42	X	-.547	-.547	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....]	End Magnitude[lb/ft.F...]	Start Location[ft.%]	End Location[ft.%]
22	M42	Z	.316	.316	0	%100
23	M44	X	-.571	-.571	0	%100
24	M44	Z	.329	.329	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	-1.397	-1.397	0	%100
28	M26A	Z	.807	.807	0	%100
29	M27A	X	-1.397	-1.397	0	%100
30	M27A	Z	.807	.807	0	%100
31	M28A	X	-2.19	-2.19	0	%100
32	M28A	Z	1.265	1.265	0	%100
33	M31A	X	-.402	-.402	0	%100
34	M31A	Z	.232	.232	0	%100
35	M32A	X	-.402	-.402	0	%100
36	M32A	Z	.232	.232	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	-.547	-.547	0	%100
40	M37A	Z	.316	.316	0	%100
41	M39A	X	-.571	-.571	0	%100
42	M39A	Z	.329	.329	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	-.547	-.547	0	%100
46	M42A	Z	.316	.316	0	%100
47	M44A	X	-.571	-.571	0	%100
48	M44A	Z	.329	.329	0	%100
49	M49	X	-1.282	-1.282	0	%100
50	M49	Z	.74	.74	0	%100
51	M50	X	-.349	-.349	0	%100
52	M50	Z	.202	.202	0	%100
53	M51	X	-.349	-.349	0	%100
54	M51	Z	.202	.202	0	%100
55	M52	X	-.548	-.548	0	%100
56	M52	Z	.316	.316	0	%100
57	M55	X	-.402	-.402	0	%100
58	M55	Z	.232	.232	0	%100
59	M56	X	-1.609	-1.609	0	%100
60	M56	Z	.929	.929	0	%100
61	M60	X	-1.615	-1.615	0	%100
62	M60	Z	.932	.932	0	%100
63	M61	X	-.547	-.547	0	%100
64	M61	Z	.316	.316	0	%100
65	M63	X	-.571	-.571	0	%100
66	M63	Z	.329	.329	0	%100
67	M65	X	-1.615	-1.615	0	%100
68	M65	Z	.932	.932	0	%100
69	M66	X	-2.186	-2.186	0	%100
70	M66	Z	1.262	1.262	0	%100
71	M68	X	-2.282	-2.282	0	%100
72	M68	Z	1.318	1.318	0	%100
73	M73	X	-.423	-.423	0	%100
74	M73	Z	.244	.244	0	%100
75	M74	X	-1.693	-1.693	0	%100
76	M74	Z	.978	.978	0	%100
77	M75	X	-.423	-.423	0	%100
78	M75	Z	.244	.244	0	%100

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
79	M76	X	-.34	-.34	0	%100
80	M76	Z	.197	.197	0	%100
81	M77	X	-1.362	-1.362	0	%100
82	M77	Z	.786	.786	0	%100
83	M78	X	-.34	-.34	0	%100
84	M78	Z	.197	.197	0	%100
85	M85	X	-1.266	-1.266	0	%100
86	M85	Z	.731	.731	0	%100
87	M86	X	-.317	-.317	0	%100
88	M86	Z	.183	.183	0	%100
89	M87	X	-.317	-.317	0	%100
90	M87	Z	.183	.183	0	%100
91	MP1A	X	-1.509	-1.509	0	%100
92	MP1A	Z	.871	.871	0	%100
93	MP2A	X	-1.509	-1.509	0	%100
94	MP2A	Z	.871	.871	0	%100
95	MP3A	X	-1.509	-1.509	0	%100
96	MP3A	Z	.871	.871	0	%100
97	MP4A	X	-1.509	-1.509	0	%100
98	MP4A	Z	.871	.871	0	%100
99	MP1C	X	-1.509	-1.509	0	%100
100	MP1C	Z	.871	.871	0	%100
101	MP2C	X	-1.509	-1.509	0	%100
102	MP2C	Z	.871	.871	0	%100
103	MP3C	X	-1.509	-1.509	0	%100
104	MP3C	Z	.871	.871	0	%100
105	MP4C	X	-1.509	-1.509	0	%100
106	MP4C	Z	.871	.871	0	%100
107	MP1B	X	-1.509	-1.509	0	%100
108	MP1B	Z	.871	.871	0	%100
109	MP2B	X	-1.509	-1.509	0	%100
110	MP2B	Z	.871	.871	0	%100
111	MP3B	X	-1.509	-1.509	0	%100
112	MP3B	Z	.871	.871	0	%100
113	MP4B	X	-1.509	-1.509	0	%100
114	MP4B	Z	.871	.871	0	%100
115	OVP	X	-1.362	-1.362	0	%100
116	OVP	Z	.786	.786	0	%100
117	M126	X	-1.899	-1.899	0	%100
118	M126	Z	1.097	1.097	0	%100
119	M127	X	-1.644	-1.644	0	%100
120	M127	Z	.949	.949	0	%100
121	M128	X	-1.899	-1.899	0	%100
122	M128	Z	1.097	1.097	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	M25	X	-1.974	-1.974	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	0	0	0	%100
9	M31	X	-1.394	-1.394	0	%100



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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,%]
10	M31	Z	0	0	0	%100
11	M32	X	-1.394	-1.394	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	-2.487	-2.487	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	-1.893	-1.893	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	-1.976	-1.976	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	-2.487	-2.487	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	-1.893	-1.893	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	-1.976	-1.976	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	-493	-493	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	-1.21	-1.21	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-1.21	-1.21	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	-1.897	-1.897	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	-1.394	-1.394	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	0	0	0	%100
37	M36A	X	-622	-622	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	-1.893	-1.893	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	-1.976	-1.976	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	-622	-622	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M49	X	-493	-493	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-1.21	-1.21	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	-1.21	-1.21	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	-1.897	-1.897	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-1.394	-1.394	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-622	-622	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100



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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.%]
67	M65	X	-0.622	-0.622	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-1.893	-1.893	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-1.976	-1.976	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-1.466	-1.466	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-1.466	-1.466	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-1.179	-1.179	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	-1.179	-1.179	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	-1.097	-1.097	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	-1.097	-1.097	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	0	0	0	%100
91	MP1A	X	-1.743	-1.743	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	-1.743	-1.743	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-1.743	-1.743	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-1.743	-1.743	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-1.743	-1.743	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-1.743	-1.743	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	-1.743	-1.743	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-1.743	-1.743	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-1.743	-1.743	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-1.743	-1.743	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-1.743	-1.743	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-1.743	-1.743	0	%100
114	MP4B	Z	0	0	0	%100
115	OVP	X	-1.573	-1.573	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	-2.291	-2.291	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-1.996	-1.996	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-1.996	-1.996	0	%100
122	M128	Z	0	0	0	%100



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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	M25	X	-1.282	-1.282	0	%100
2	M25	Z	-.74	-.74	0	%100
3	M26	X	-.349	-.349	0	%100
4	M26	Z	-.202	-.202	0	%100
5	M27	X	-.349	-.349	0	%100
6	M27	Z	-.202	-.202	0	%100
7	M28	X	-.548	-.548	0	%100
8	M28	Z	-.316	-.316	0	%100
9	M31	X	-.402	-.402	0	%100
10	M31	Z	-.232	-.232	0	%100
11	M32	X	-1.609	-1.609	0	%100
12	M32	Z	-.929	-.929	0	%100
13	M36	X	-1.615	-1.615	0	%100
14	M36	Z	-.932	-.932	0	%100
15	M37	X	-.547	-.547	0	%100
16	M37	Z	-.316	-.316	0	%100
17	M39	X	-.571	-.571	0	%100
18	M39	Z	-.329	-.329	0	%100
19	M41	X	-1.615	-1.615	0	%100
20	M41	Z	-.932	-.932	0	%100
21	M42	X	-2.186	-2.186	0	%100
22	M42	Z	-1.262	-1.262	0	%100
23	M44	X	-2.282	-2.282	0	%100
24	M44	Z	-1.318	-1.318	0	%100
25	M25A	X	-1.282	-1.282	0	%100
26	M25A	Z	-.74	-.74	0	%100
27	M26A	X	-.349	-.349	0	%100
28	M26A	Z	-.202	-.202	0	%100
29	M27A	X	-.349	-.349	0	%100
30	M27A	Z	-.202	-.202	0	%100
31	M28A	X	-.548	-.548	0	%100
32	M28A	Z	-.316	-.316	0	%100
33	M31A	X	-1.609	-1.609	0	%100
34	M31A	Z	-.929	-.929	0	%100
35	M32A	X	-.402	-.402	0	%100
36	M32A	Z	-.232	-.232	0	%100
37	M36A	X	-1.615	-1.615	0	%100
38	M36A	Z	-.932	-.932	0	%100
39	M37A	X	-2.186	-2.186	0	%100
40	M37A	Z	-1.262	-1.262	0	%100
41	M39A	X	-2.282	-2.282	0	%100
42	M39A	Z	-1.318	-1.318	0	%100
43	M41A	X	-1.615	-1.615	0	%100
44	M41A	Z	-.932	-.932	0	%100
45	M42A	X	-.547	-.547	0	%100
46	M42A	Z	-.316	-.316	0	%100
47	M44A	X	-.571	-.571	0	%100
48	M44A	Z	-.329	-.329	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-1.397	-1.397	0	%100
52	M50	Z	-.807	-.807	0	%100
53	M51	X	-1.397	-1.397	0	%100
54	M51	Z	-.807	-.807	0	%100
55	M52	X	-2.19	-2.19	0	%100
56	M52	Z	-1.265	-1.265	0	%100
57	M55	X	-.402	-.402	0	%100



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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	M55	Z	-.232	-.232	0	%100
59	M56	X	-.402	-.402	0	%100
60	M56	Z	-.232	-.232	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-.547	-.547	0	%100
64	M61	Z	-.316	-.316	0	%100
65	M63	X	-.571	-.571	0	%100
66	M63	Z	-.329	-.329	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-.547	-.547	0	%100
70	M66	Z	-.316	-.316	0	%100
71	M68	X	-.571	-.571	0	%100
72	M68	Z	-.329	-.329	0	%100
73	M73	X	-.423	-.423	0	%100
74	M73	Z	-.244	-.244	0	%100
75	M74	X	-.423	-.423	0	%100
76	M74	Z	-.244	-.244	0	%100
77	M75	X	-1.693	-1.693	0	%100
78	M75	Z	-.978	-.978	0	%100
79	M76	X	-.34	-.34	0	%100
80	M76	Z	-.197	-.197	0	%100
81	M77	X	-.34	-.34	0	%100
82	M77	Z	-.197	-.197	0	%100
83	M78	X	-1.362	-1.362	0	%100
84	M78	Z	-.786	-.786	0	%100
85	M85	X	-.317	-.317	0	%100
86	M85	Z	-.183	-.183	0	%100
87	M86	X	-1.266	-1.266	0	%100
88	M86	Z	-.731	-.731	0	%100
89	M87	X	-.317	-.317	0	%100
90	M87	Z	-.183	-.183	0	%100
91	MP1A	X	-1.509	-1.509	0	%100
92	MP1A	Z	-.871	-.871	0	%100
93	MP2A	X	-1.509	-1.509	0	%100
94	MP2A	Z	-.871	-.871	0	%100
95	MP3A	X	-1.509	-1.509	0	%100
96	MP3A	Z	-.871	-.871	0	%100
97	MP4A	X	-1.509	-1.509	0	%100
98	MP4A	Z	-.871	-.871	0	%100
99	MP1C	X	-1.509	-1.509	0	%100
100	MP1C	Z	-.871	-.871	0	%100
101	MP2C	X	-1.509	-1.509	0	%100
102	MP2C	Z	-.871	-.871	0	%100
103	MP3C	X	-1.509	-1.509	0	%100
104	MP3C	Z	-.871	-.871	0	%100
105	MP4C	X	-1.509	-1.509	0	%100
106	MP4C	Z	-.871	-.871	0	%100
107	MP1B	X	-1.509	-1.509	0	%100
108	MP1B	Z	-.871	-.871	0	%100
109	MP2B	X	-1.509	-1.509	0	%100
110	MP2B	Z	-.871	-.871	0	%100
111	MP3B	X	-1.509	-1.509	0	%100
112	MP3B	Z	-.871	-.871	0	%100
113	MP4B	X	-1.509	-1.509	0	%100
114	MP4B	Z	-.871	-.871	0	%100



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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	OVP	X	-1.362	-1.362	0	%100
116	OVP	Z	-.786	-.786	0	%100
117	M126	X	-1.899	-1.899	0	%100
118	M126	Z	-1.097	-1.097	0	%100
119	M127	X	-1.899	-1.899	0	%100
120	M127	Z	-1.097	-1.097	0	%100
121	M128	X	-1.644	-1.644	0	%100
122	M128	Z	-.949	-.949	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	M25	X	-.247	-.247	0	%100
2	M25	Z	-.427	-.427	0	%100
3	M26	X	-.605	-.605	0	%100
4	M26	Z	-1.048	-1.048	0	%100
5	M27	X	-.605	-.605	0	%100
6	M27	Z	-1.048	-1.048	0	%100
7	M28	X	-.948	-.948	0	%100
8	M28	Z	-1.643	-1.643	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	-.697	-.697	0	%100
12	M32	Z	-1.207	-1.207	0	%100
13	M36	X	-.311	-.311	0	%100
14	M36	Z	-.538	-.538	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	-.311	-.311	0	%100
20	M41	Z	-.538	-.538	0	%100
21	M42	X	-.947	-.947	0	%100
22	M42	Z	-1.64	-1.64	0	%100
23	M44	X	-.988	-.988	0	%100
24	M44	Z	-1.712	-1.712	0	%100
25	M25A	X	-.987	-.987	0	%100
26	M25A	Z	-1.709	-1.709	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	-.697	-.697	0	%100
34	M31A	Z	-1.207	-1.207	0	%100
35	M32A	X	-.697	-.697	0	%100
36	M32A	Z	-1.207	-1.207	0	%100
37	M36A	X	-1.243	-1.243	0	%100
38	M36A	Z	-2.153	-2.153	0	%100
39	M37A	X	-.947	-.947	0	%100
40	M37A	Z	-1.64	-1.64	0	%100
41	M39A	X	-.988	-.988	0	%100
42	M39A	Z	-1.712	-1.712	0	%100
43	M41A	X	-1.243	-1.243	0	%100
44	M41A	Z	-2.153	-2.153	0	%100
45	M42A	X	-.947	-.947	0	%100



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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.%]
46	M42A	Z	-1.64	-1.64	0	%100
47	M44A	X	-.988	-.988	0	%100
48	M44A	Z	-1.712	-1.712	0	%100
49	M49	X	-.247	-.247	0	%100
50	M49	Z	-.427	-.427	0	%100
51	M50	X	-.605	-.605	0	%100
52	M50	Z	-1.048	-1.048	0	%100
53	M51	X	-.605	-.605	0	%100
54	M51	Z	-1.048	-1.048	0	%100
55	M52	X	-.948	-.948	0	%100
56	M52	Z	-1.643	-1.643	0	%100
57	M55	X	-.697	-.697	0	%100
58	M55	Z	-1.207	-1.207	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-.311	-.311	0	%100
62	M60	Z	-.538	-.538	0	%100
63	M61	X	-.947	-.947	0	%100
64	M61	Z	-1.64	-1.64	0	%100
65	M63	X	-.988	-.988	0	%100
66	M63	Z	-1.712	-1.712	0	%100
67	M65	X	-.311	-.311	0	%100
68	M65	Z	-.538	-.538	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-.733	-.733	0	%100
74	M73	Z	-1.27	-1.27	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-.733	-.733	0	%100
78	M75	Z	-1.27	-1.27	0	%100
79	M76	X	-.59	-.59	0	%100
80	M76	Z	-1.021	-1.021	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	-.59	-.59	0	%100
84	M78	Z	-1.021	-1.021	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	-.548	-.548	0	%100
88	M86	Z	-.95	-.95	0	%100
89	M87	X	-.548	-.548	0	%100
90	M87	Z	-.95	-.95	0	%100
91	MP1A	X	-.871	-.871	0	%100
92	MP1A	Z	-1.509	-1.509	0	%100
93	MP2A	X	-.871	-.871	0	%100
94	MP2A	Z	-1.509	-1.509	0	%100
95	MP3A	X	-.871	-.871	0	%100
96	MP3A	Z	-1.509	-1.509	0	%100
97	MP4A	X	-.871	-.871	0	%100
98	MP4A	Z	-1.509	-1.509	0	%100
99	MP1C	X	-.871	-.871	0	%100
100	MP1C	Z	-1.509	-1.509	0	%100
101	MP2C	X	-.871	-.871	0	%100
102	MP2C	Z	-1.509	-1.509	0	%100



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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.%]
103	MP3C	X	-871	-871	0	%100
104	MP3C	Z	-1.509	-1.509	0	%100
105	MP4C	X	-871	-871	0	%100
106	MP4C	Z	-1.509	-1.509	0	%100
107	MP1B	X	-871	-871	0	%100
108	MP1B	Z	-1.509	-1.509	0	%100
109	MP2B	X	-871	-871	0	%100
110	MP2B	Z	-1.509	-1.509	0	%100
111	MP3B	X	-871	-871	0	%100
112	MP3B	Z	-1.509	-1.509	0	%100
113	MP4B	X	-871	-871	0	%100
114	MP4B	Z	-1.509	-1.509	0	%100
115	OVP	X	-786	-786	0	%100
116	OVP	Z	-1.362	-1.362	0	%100
117	M126	X	-998	-998	0	%100
118	M126	Z	-1.729	-1.729	0	%100
119	M127	X	-1.146	-1.146	0	%100
120	M127	Z	-1.984	-1.984	0	%100
121	M128	X	-998	-998	0	%100
122	M128	Z	-1.729	-1.729	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	M25	X	0	0	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	-575	-575	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	-575	-575	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	-1.148	-1.148	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	-159	-159	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	-159	-159	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	-292	-292	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	-308	-308	0	%100
19	M41	X	0	0	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	-292	-292	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	-308	-308	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	-.51	-.51	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	-.144	-.144	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	-.144	-.144	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	-.287	-.287	0	%100
33	M31A	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft...	End Magnitude[lb.F...	Start Location[ft.%]	End Location[ft.%]
34	M31A	Z	-159	-159	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	-637	-637	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	-861	-861	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	-292	-292	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	-308	-308	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	-861	-861	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	-1.169	-1.169	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	-1.231	-1.231	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	-.51	-.51	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	-.144	-.144	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	-.144	-.144	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	-.287	-.287	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	-.637	-.637	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	-.159	-.159	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	-.861	-.861	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	-1.169	-1.169	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	-1.231	-1.231	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	-.861	-.861	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	-.292	-.292	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	-.308	-.308	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	-.67	-.67	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	-.167	-.167	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	-.167	-.167	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	-.454	-.454	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	-.114	-.114	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	-.114	-.114	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	-.135	-.135	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	-.135	-.135	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	-.539	-.539	0	%100



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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.%]
91	MP1A	X	0	0	0	%100
92	MP1A	Z	-55	-55	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	-55	-55	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	-55	-55	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	-55	-55	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	-55	-55	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	-55	-55	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	-55	-55	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	-55	-55	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	-55	-55	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	-55	-55	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	-55	-55	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	-55	-55	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	-454	-454	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	-836	-836	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	-853	-853	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	-853	-853	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	M25	X	.085	.085	0	%100
2	M25	Z	-.147	-.147	0	%100
3	M26	X	.216	.216	0	%100
4	M26	Z	-.374	-.374	0	%100
5	M27	X	.216	.216	0	%100
6	M27	Z	-.374	-.374	0	%100
7	M28	X	.43	.43	0	%100
8	M28	Z	-.745	-.745	0	%100
9	M31	X	.239	.239	0	%100
10	M31	Z	-.414	-.414	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	.143	.143	0	%100
14	M36	Z	-.248	-.248	0	%100
15	M37	X	.438	.438	0	%100
16	M37	Z	-.759	-.759	0	%100
17	M39	X	.462	.462	0	%100
18	M39	Z	-.8	-.8	0	%100
19	M41	X	.143	.143	0	%100
20	M41	Z	-.248	-.248	0	%100
21	M42	X	0	0	0	%100



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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.%]
22	M42	Z	0	0	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	.085	.085	0	%100
26	M25A	Z	-.147	-.147	0	%100
27	M26A	X	.216	.216	0	%100
28	M26A	Z	-.374	-.374	0	%100
29	M27A	X	.216	.216	0	%100
30	M27A	Z	-.374	-.374	0	%100
31	M28A	X	.43	.43	0	%100
32	M28A	Z	-.745	-.745	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	.239	.239	0	%100
36	M32A	Z	-.414	-.414	0	%100
37	M36A	X	.143	.143	0	%100
38	M36A	Z	-.248	-.248	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	.143	.143	0	%100
44	M41A	Z	-.248	-.248	0	%100
45	M42A	X	.438	.438	0	%100
46	M42A	Z	-.759	-.759	0	%100
47	M44A	X	.462	.462	0	%100
48	M44A	Z	-.8	-.8	0	%100
49	M49	X	.34	.34	0	%100
50	M49	Z	-.589	-.589	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	.239	.239	0	%100
58	M55	Z	-.414	-.414	0	%100
59	M56	X	.239	.239	0	%100
60	M56	Z	-.414	-.414	0	%100
61	M60	X	.574	.574	0	%100
62	M60	Z	-.994	-.994	0	%100
63	M61	X	.438	.438	0	%100
64	M61	Z	-.759	-.759	0	%100
65	M63	X	.462	.462	0	%100
66	M63	Z	-.8	-.8	0	%100
67	M65	X	.574	.574	0	%100
68	M65	Z	-.994	-.994	0	%100
69	M66	X	.438	.438	0	%100
70	M66	Z	-.759	-.759	0	%100
71	M68	X	.462	.462	0	%100
72	M68	Z	-.8	-.8	0	%100
73	M73	X	.251	.251	0	%100
74	M73	Z	-.435	-.435	0	%100
75	M74	X	.251	.251	0	%100
76	M74	Z	-.435	-.435	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100



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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.%]
79	M76	X	.17	.17	0	%100
80	M76	Z	-.295	-.295	0	%100
81	M77	X	.17	.17	0	%100
82	M77	Z	-.295	-.295	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	.202	.202	0	%100
86	M85	Z	-.35	-.35	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	.202	.202	0	%100
90	M87	Z	-.35	-.35	0	%100
91	MP1A	X	.275	.275	0	%100
92	MP1A	Z	-.476	-.476	0	%100
93	MP2A	X	.275	.275	0	%100
94	MP2A	Z	-.476	-.476	0	%100
95	MP3A	X	.275	.275	0	%100
96	MP3A	Z	-.476	-.476	0	%100
97	MP4A	X	.275	.275	0	%100
98	MP4A	Z	-.476	-.476	0	%100
99	MP1C	X	.275	.275	0	%100
100	MP1C	Z	-.476	-.476	0	%100
101	MP2C	X	.275	.275	0	%100
102	MP2C	Z	-.476	-.476	0	%100
103	MP3C	X	.275	.275	0	%100
104	MP3C	Z	-.476	-.476	0	%100
105	MP4C	X	.275	.275	0	%100
106	MP4C	Z	-.476	-.476	0	%100
107	MP1B	X	.275	.275	0	%100
108	MP1B	Z	-.476	-.476	0	%100
109	MP2B	X	.275	.275	0	%100
110	MP2B	Z	-.476	-.476	0	%100
111	MP3B	X	.275	.275	0	%100
112	MP3B	Z	-.476	-.476	0	%100
113	MP4B	X	.275	.275	0	%100
114	MP4B	Z	-.476	-.476	0	%100
115	OVP	X	.227	.227	0	%100
116	OVP	Z	-.393	-.393	0	%100
117	M126	X	.421	.421	0	%100
118	M126	Z	-.729	-.729	0	%100
119	M127	X	.421	.421	0	%100
120	M127	Z	-.729	-.729	0	%100
121	M128	X	.429	.429	0	%100
122	M128	Z	-.744	-.744	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	M25	X	.442	.442	0	%100
2	M25	Z	-.255	-.255	0	%100
3	M26	X	.125	.125	0	%100
4	M26	Z	-.072	-.072	0	%100
5	M27	X	.125	.125	0	%100
6	M27	Z	-.072	-.072	0	%100
7	M28	X	.248	.248	0	%100
8	M28	Z	-.143	-.143	0	%100
9	M31	X	.552	.552	0	%100



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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.%]
10	M31	Z	-.319	-.319	0	%100
11	M32	X	.138	.138	0	%100
12	M32	Z	-.08	-.08	0	%100
13	M36	X	.745	.745	0	%100
14	M36	Z	-.43	-.43	0	%100
15	M37	X	1.012	1.012	0	%100
16	M37	Z	-.584	-.584	0	%100
17	M39	X	1.066	1.066	0	%100
18	M39	Z	-.616	-.616	0	%100
19	M41	X	.745	.745	0	%100
20	M41	Z	-.43	-.43	0	%100
21	M42	X	.253	.253	0	%100
22	M42	Z	-.146	-.146	0	%100
23	M44	X	.267	.267	0	%100
24	M44	Z	-.154	-.154	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	.498	.498	0	%100
28	M26A	Z	-.288	-.288	0	%100
29	M27A	X	.498	.498	0	%100
30	M27A	Z	-.288	-.288	0	%100
31	M28A	X	.994	.994	0	%100
32	M28A	Z	-.574	-.574	0	%100
33	M31A	X	.138	.138	0	%100
34	M31A	Z	-.08	-.08	0	%100
35	M32A	X	.138	.138	0	%100
36	M32A	Z	-.08	-.08	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	.253	.253	0	%100
40	M37A	Z	-.146	-.146	0	%100
41	M39A	X	.267	.267	0	%100
42	M39A	Z	-.154	-.154	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	.253	.253	0	%100
46	M42A	Z	-.146	-.146	0	%100
47	M44A	X	.267	.267	0	%100
48	M44A	Z	-.154	-.154	0	%100
49	M49	X	.442	.442	0	%100
50	M49	Z	-.255	-.255	0	%100
51	M50	X	.125	.125	0	%100
52	M50	Z	-.072	-.072	0	%100
53	M51	X	.125	.125	0	%100
54	M51	Z	-.072	-.072	0	%100
55	M52	X	.248	.248	0	%100
56	M52	Z	-.143	-.143	0	%100
57	M55	X	.138	.138	0	%100
58	M55	Z	-.08	-.08	0	%100
59	M56	X	.552	.552	0	%100
60	M56	Z	-.319	-.319	0	%100
61	M60	X	.745	.745	0	%100
62	M60	Z	-.43	-.43	0	%100
63	M61	X	.253	.253	0	%100
64	M61	Z	-.146	-.146	0	%100
65	M63	X	.267	.267	0	%100
66	M63	Z	-.154	-.154	0	%100



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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, %]
67	M65	X	.745	.745	0	%100
68	M65	Z	-.43	-.43	0	%100
69	M66	X	1.012	1.012	0	%100
70	M66	Z	-.584	-.584	0	%100
71	M68	X	1.066	1.066	0	%100
72	M68	Z	-.616	-.616	0	%100
73	M73	X	.145	.145	0	%100
74	M73	Z	-.084	-.084	0	%100
75	M74	X	.58	.58	0	%100
76	M74	Z	-.335	-.335	0	%100
77	M75	X	.145	.145	0	%100
78	M75	Z	-.084	-.084	0	%100
79	M76	X	.098	.098	0	%100
80	M76	Z	-.057	-.057	0	%100
81	M77	X	.393	.393	0	%100
82	M77	Z	-.227	-.227	0	%100
83	M78	X	.098	.098	0	%100
84	M78	Z	-.057	-.057	0	%100
85	M85	X	.467	.467	0	%100
86	M85	Z	-.27	-.27	0	%100
87	M86	X	.117	.117	0	%100
88	M86	Z	-.067	-.067	0	%100
89	M87	X	.117	.117	0	%100
90	M87	Z	-.067	-.067	0	%100
91	MP1A	X	.476	.476	0	%100
92	MP1A	Z	-.275	-.275	0	%100
93	MP2A	X	.476	.476	0	%100
94	MP2A	Z	-.275	-.275	0	%100
95	MP3A	X	.476	.476	0	%100
96	MP3A	Z	-.275	-.275	0	%100
97	MP4A	X	.476	.476	0	%100
98	MP4A	Z	-.275	-.275	0	%100
99	MP1C	X	.476	.476	0	%100
100	MP1C	Z	-.275	-.275	0	%100
101	MP2C	X	.476	.476	0	%100
102	MP2C	Z	-.275	-.275	0	%100
103	MP3C	X	.476	.476	0	%100
104	MP3C	Z	-.275	-.275	0	%100
105	MP4C	X	.476	.476	0	%100
106	MP4C	Z	-.275	-.275	0	%100
107	MP1B	X	.476	.476	0	%100
108	MP1B	Z	-.275	-.275	0	%100
109	MP2B	X	.476	.476	0	%100
110	MP2B	Z	-.275	-.275	0	%100
111	MP3B	X	.476	.476	0	%100
112	MP3B	Z	-.275	-.275	0	%100
113	MP4B	X	.476	.476	0	%100
114	MP4B	Z	-.275	-.275	0	%100
115	OVP	X	.393	.393	0	%100
116	OVP	Z	-.227	-.227	0	%100
117	M126	X	.739	.739	0	%100
118	M126	Z	-.427	-.427	0	%100
119	M127	X	.724	.724	0	%100
120	M127	Z	-.418	-.418	0	%100
121	M128	X	.739	.739	0	%100
122	M128	Z	-.427	-.427	0	%100



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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	M25	X	.68	.68	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	0	0	0	%100
9	M31	X	.478	.478	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	.478	.478	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	1.148	1.148	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	.877	.877	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	.923	.923	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	1.148	1.148	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	.877	.877	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	.923	.923	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	.17	.17	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	.432	.432	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	.432	.432	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	.861	.861	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	.478	.478	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	0	0	0	%100
37	M36A	X	.287	.287	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	.877	.877	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	.923	.923	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	.287	.287	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M49	X	.17	.17	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	.432	.432	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	.432	.432	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	.861	.861	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	0	0	0	%100



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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.%]
58	M55	Z	0	0	0	%100
59	M56	X	.478	.478	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	.287	.287	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	.287	.287	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.877	.877	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	.923	.923	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	.502	.502	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	.502	.502	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	.341	.341	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	.341	.341	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	.404	.404	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	.404	.404	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	0	0	0	%100
91	MP1A	X	.55	.55	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	.55	.55	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	.55	.55	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	.55	.55	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	.55	.55	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	.55	.55	0	%100
102	MP2C	Z	0	0	0	%100
103	MP3C	X	.55	.55	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	.55	.55	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	.55	.55	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	.55	.55	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	.55	.55	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	.55	.55	0	%100
114	MP4B	Z	0	0	0	%100



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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.%]
115	OVP	X	.454	.454	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	.859	.859	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	.842	.842	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	.842	.842	0	%100
122	M128	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	M25	X	.442	.442	0	%100
2	M25	Z	.255	.255	0	%100
3	M26	X	.125	.125	0	%100
4	M26	Z	.072	.072	0	%100
5	M27	X	.125	.125	0	%100
6	M27	Z	.072	.072	0	%100
7	M28	X	.248	.248	0	%100
8	M28	Z	.143	.143	0	%100
9	M31	X	.138	.138	0	%100
10	M31	Z	.08	.08	0	%100
11	M32	X	.552	.552	0	%100
12	M32	Z	.319	.319	0	%100
13	M36	X	.745	.745	0	%100
14	M36	Z	.43	.43	0	%100
15	M37	X	.253	.253	0	%100
16	M37	Z	.146	.146	0	%100
17	M39	X	.267	.267	0	%100
18	M39	Z	.154	.154	0	%100
19	M41	X	.745	.745	0	%100
20	M41	Z	.43	.43	0	%100
21	M42	X	1.012	1.012	0	%100
22	M42	Z	.584	.584	0	%100
23	M44	X	1.066	1.066	0	%100
24	M44	Z	.616	.616	0	%100
25	M25A	X	.442	.442	0	%100
26	M25A	Z	.255	.255	0	%100
27	M26A	X	.125	.125	0	%100
28	M26A	Z	.072	.072	0	%100
29	M27A	X	.125	.125	0	%100
30	M27A	Z	.072	.072	0	%100
31	M28A	X	.248	.248	0	%100
32	M28A	Z	.143	.143	0	%100
33	M31A	X	.552	.552	0	%100
34	M31A	Z	.319	.319	0	%100
35	M32A	X	.138	.138	0	%100
36	M32A	Z	.08	.08	0	%100
37	M36A	X	.745	.745	0	%100
38	M36A	Z	.43	.43	0	%100
39	M37A	X	1.012	1.012	0	%100
40	M37A	Z	.584	.584	0	%100
41	M39A	X	1.066	1.066	0	%100
42	M39A	Z	.616	.616	0	%100
43	M41A	X	.745	.745	0	%100
44	M41A	Z	.43	.43	0	%100
45	M42A	X	.253	.253	0	%100



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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.%]
46	M42A	Z	.146	.146	0	%100
47	M44A	X	.267	.267	0	%100
48	M44A	Z	.154	.154	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	.498	.498	0	%100
52	M50	Z	.288	.288	0	%100
53	M51	X	.498	.498	0	%100
54	M51	Z	.288	.288	0	%100
55	M52	X	.994	.994	0	%100
56	M52	Z	.574	.574	0	%100
57	M55	X	.138	.138	0	%100
58	M55	Z	.08	.08	0	%100
59	M56	X	.138	.138	0	%100
60	M56	Z	.08	.08	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	.253	.253	0	%100
64	M61	Z	.146	.146	0	%100
65	M63	X	.267	.267	0	%100
66	M63	Z	.154	.154	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	.253	.253	0	%100
70	M66	Z	.146	.146	0	%100
71	M68	X	.267	.267	0	%100
72	M68	Z	.154	.154	0	%100
73	M73	X	.145	.145	0	%100
74	M73	Z	.084	.084	0	%100
75	M74	X	.145	.145	0	%100
76	M74	Z	.084	.084	0	%100
77	M75	X	.58	.58	0	%100
78	M75	Z	.335	.335	0	%100
79	M76	X	.098	.098	0	%100
80	M76	Z	.057	.057	0	%100
81	M77	X	.098	.098	0	%100
82	M77	Z	.057	.057	0	%100
83	M78	X	.393	.393	0	%100
84	M78	Z	.227	.227	0	%100
85	M85	X	.117	.117	0	%100
86	M85	Z	.067	.067	0	%100
87	M86	X	.467	.467	0	%100
88	M86	Z	.27	.27	0	%100
89	M87	X	.117	.117	0	%100
90	M87	Z	.067	.067	0	%100
91	MP1A	X	.476	.476	0	%100
92	MP1A	Z	.275	.275	0	%100
93	MP2A	X	.476	.476	0	%100
94	MP2A	Z	.275	.275	0	%100
95	MP3A	X	.476	.476	0	%100
96	MP3A	Z	.275	.275	0	%100
97	MP4A	X	.476	.476	0	%100
98	MP4A	Z	.275	.275	0	%100
99	MP1C	X	.476	.476	0	%100
100	MP1C	Z	.275	.275	0	%100
101	MP2C	X	.476	.476	0	%100
102	MP2C	Z	.275	.275	0	%100



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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.%]
103	MP3C	X	.476	.476	0	%100
104	MP3C	Z	.275	.275	0	%100
105	MP4C	X	.476	.476	0	%100
106	MP4C	Z	.275	.275	0	%100
107	MP1B	X	.476	.476	0	%100
108	MP1B	Z	.275	.275	0	%100
109	MP2B	X	.476	.476	0	%100
110	MP2B	Z	.275	.275	0	%100
111	MP3B	X	.476	.476	0	%100
112	MP3B	Z	.275	.275	0	%100
113	MP4B	X	.476	.476	0	%100
114	MP4B	Z	.275	.275	0	%100
115	OVP	X	.393	.393	0	%100
116	OVP	Z	.227	.227	0	%100
117	M126	X	.739	.739	0	%100
118	M126	Z	.427	.427	0	%100
119	M127	X	.739	.739	0	%100
120	M127	Z	.427	.427	0	%100
121	M128	X	.724	.724	0	%100
122	M128	Z	.418	.418	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	M25	X	.085	.085	0	%100
2	M25	Z	.147	.147	0	%100
3	M26	X	.216	.216	0	%100
4	M26	Z	.374	.374	0	%100
5	M27	X	.216	.216	0	%100
6	M27	Z	.374	.374	0	%100
7	M28	X	.43	.43	0	%100
8	M28	Z	.745	.745	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	.239	.239	0	%100
12	M32	Z	.414	.414	0	%100
13	M36	X	.143	.143	0	%100
14	M36	Z	.248	.248	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	.143	.143	0	%100
20	M41	Z	.248	.248	0	%100
21	M42	X	.438	.438	0	%100
22	M42	Z	.759	.759	0	%100
23	M44	X	.462	.462	0	%100
24	M44	Z	.8	.8	0	%100
25	M25A	X	.34	.34	0	%100
26	M25A	Z	.589	.589	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	.239	.239	0	%100



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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.%]
34	M31A	Z	.414	.414	0 %100
35	M32A	X	.239	.239	0 %100
36	M32A	Z	.414	.414	0 %100
37	M36A	X	.574	.574	0 %100
38	M36A	Z	.994	.994	0 %100
39	M37A	X	.438	.438	0 %100
40	M37A	Z	.759	.759	0 %100
41	M39A	X	.462	.462	0 %100
42	M39A	Z	.8	.8	0 %100
43	M41A	X	.574	.574	0 %100
44	M41A	Z	.994	.994	0 %100
45	M42A	X	.438	.438	0 %100
46	M42A	Z	.759	.759	0 %100
47	M44A	X	.462	.462	0 %100
48	M44A	Z	.8	.8	0 %100
49	M49	X	.085	.085	0 %100
50	M49	Z	.147	.147	0 %100
51	M50	X	.216	.216	0 %100
52	M50	Z	.374	.374	0 %100
53	M51	X	.216	.216	0 %100
54	M51	Z	.374	.374	0 %100
55	M52	X	.43	.43	0 %100
56	M52	Z	.745	.745	0 %100
57	M55	X	.239	.239	0 %100
58	M55	Z	.414	.414	0 %100
59	M56	X	0	0	0 %100
60	M56	Z	0	0	0 %100
61	M60	X	.143	.143	0 %100
62	M60	Z	.248	.248	0 %100
63	M61	X	.438	.438	0 %100
64	M61	Z	.759	.759	0 %100
65	M63	X	.462	.462	0 %100
66	M63	Z	.8	.8	0 %100
67	M65	X	.143	.143	0 %100
68	M65	Z	.248	.248	0 %100
69	M66	X	0	0	0 %100
70	M66	Z	0	0	0 %100
71	M68	X	0	0	0 %100
72	M68	Z	0	0	0 %100
73	M73	X	.251	.251	0 %100
74	M73	Z	.435	.435	0 %100
75	M74	X	0	0	0 %100
76	M74	Z	0	0	0 %100
77	M75	X	.251	.251	0 %100
78	M75	Z	.435	.435	0 %100
79	M76	X	.17	.17	0 %100
80	M76	Z	.295	.295	0 %100
81	M77	X	0	0	0 %100
82	M77	Z	0	0	0 %100
83	M78	X	.17	.17	0 %100
84	M78	Z	.295	.295	0 %100
85	M85	X	0	0	0 %100
86	M85	Z	0	0	0 %100
87	M86	X	.202	.202	0 %100
88	M86	Z	.35	.35	0 %100
89	M87	X	.202	.202	0 %100
90	M87	Z	.35	.35	0 %100



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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.%]
91	MP1A	X	.275	.275	0	%100
92	MP1A	Z	.476	.476	0	%100
93	MP2A	X	.275	.275	0	%100
94	MP2A	Z	.476	.476	0	%100
95	MP3A	X	.275	.275	0	%100
96	MP3A	Z	.476	.476	0	%100
97	MP4A	X	.275	.275	0	%100
98	MP4A	Z	.476	.476	0	%100
99	MP1C	X	.275	.275	0	%100
100	MP1C	Z	.476	.476	0	%100
101	MP2C	X	.275	.275	0	%100
102	MP2C	Z	.476	.476	0	%100
103	MP3C	X	.275	.275	0	%100
104	MP3C	Z	.476	.476	0	%100
105	MP4C	X	.275	.275	0	%100
106	MP4C	Z	.476	.476	0	%100
107	MP1B	X	.275	.275	0	%100
108	MP1B	Z	.476	.476	0	%100
109	MP2B	X	.275	.275	0	%100
110	MP2B	Z	.476	.476	0	%100
111	MP3B	X	.275	.275	0	%100
112	MP3B	Z	.476	.476	0	%100
113	MP4B	X	.275	.275	0	%100
114	MP4B	Z	.476	.476	0	%100
115	OVP	X	.227	.227	0	%100
116	OVP	Z	.393	.393	0	%100
117	M126	X	.421	.421	0	%100
118	M126	Z	.729	.729	0	%100
119	M127	X	.429	.429	0	%100
120	M127	Z	.744	.744	0	%100
121	M128	X	.421	.421	0	%100
122	M128	Z	.729	.729	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	M25	X	0	0	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	.575	.575	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	.575	.575	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	1.148	1.148	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	.159	.159	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	.159	.159	0	%100
13	M36	X	0	0	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	.292	.292	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	.308	.308	0	%100
19	M41	X	0	0	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	0	0	0	%100



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

	Member Label	Direction	Start Magnitude(lb/ft....)	End Magnitude(lb/ft.F....)	Start Location(ft.%)	End Location(ft.%)
22	M42	Z	.292	.292	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	.308	.308	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	.51	.51	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	.144	.144	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	.144	.144	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	.287	.287	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	.159	.159	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	.637	.637	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	.861	.861	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	.292	.292	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	.308	.308	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	.861	.861	0	%100
45	M42A	X	0	0	0	%100
46	M42A	Z	1.169	1.169	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	1.231	1.231	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	.51	.51	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	.144	.144	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	.144	.144	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	.287	.287	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	.637	.637	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	.159	.159	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	.861	.861	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	1.169	1.169	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	1.231	1.231	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	.861	.861	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	.292	.292	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	.308	.308	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	.67	.67	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	.167	.167	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	.167	.167	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
79	M76	X	0	0	0	%100
80	M76	Z	.454	.454	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	.114	.114	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	.114	.114	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	.135	.135	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	.135	.135	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	.539	.539	0	%100
91	MP1A	X	0	0	0	%100
92	MP1A	Z	.55	.55	0	%100
93	MP2A	X	0	0	0	%100
94	MP2A	Z	.55	.55	0	%100
95	MP3A	X	0	0	0	%100
96	MP3A	Z	.55	.55	0	%100
97	MP4A	X	0	0	0	%100
98	MP4A	Z	.55	.55	0	%100
99	MP1C	X	0	0	0	%100
100	MP1C	Z	.55	.55	0	%100
101	MP2C	X	0	0	0	%100
102	MP2C	Z	.55	.55	0	%100
103	MP3C	X	0	0	0	%100
104	MP3C	Z	.55	.55	0	%100
105	MP4C	X	0	0	0	%100
106	MP4C	Z	.55	.55	0	%100
107	MP1B	X	0	0	0	%100
108	MP1B	Z	.55	.55	0	%100
109	MP2B	X	0	0	0	%100
110	MP2B	Z	.55	.55	0	%100
111	MP3B	X	0	0	0	%100
112	MP3B	Z	.55	.55	0	%100
113	MP4B	X	0	0	0	%100
114	MP4B	Z	.55	.55	0	%100
115	OVP	X	0	0	0	%100
116	OVP	Z	.454	.454	0	%100
117	M126	X	0	0	0	%100
118	M126	Z	.836	.836	0	%100
119	M127	X	0	0	0	%100
120	M127	Z	.853	.853	0	%100
121	M128	X	0	0	0	%100
122	M128	Z	.853	.853	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	M25	X	-.085	-.085	0	%100
2	M25	Z	.147	.147	0	%100
3	M26	X	-.216	-.216	0	%100
4	M26	Z	.374	.374	0	%100
5	M27	X	-.216	-.216	0	%100
6	M27	Z	.374	.374	0	%100
7	M28	X	-.43	-.43	0	%100
8	M28	Z	.745	.745	0	%100
9	M31	X	-.239	-.239	0	%100



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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.%]
10	M31	Z	.414	.414	0	%100
11	M32	X	0	0	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	-.143	-.143	0	%100
14	M36	Z	.248	.248	0	%100
15	M37	X	-.438	-.438	0	%100
16	M37	Z	.759	.759	0	%100
17	M39	X	-.462	-.462	0	%100
18	M39	Z	.8	.8	0	%100
19	M41	X	-.143	-.143	0	%100
20	M41	Z	.248	.248	0	%100
21	M42	X	0	0	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	0	0	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	-.085	-.085	0	%100
26	M25A	Z	.147	.147	0	%100
27	M26A	X	-.216	-.216	0	%100
28	M26A	Z	.374	.374	0	%100
29	M27A	X	-.216	-.216	0	%100
30	M27A	Z	.374	.374	0	%100
31	M28A	X	-.43	-.43	0	%100
32	M28A	Z	.745	.745	0	%100
33	M31A	X	0	0	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	-.239	-.239	0	%100
36	M32A	Z	.414	.414	0	%100
37	M36A	X	-.143	-.143	0	%100
38	M36A	Z	.248	.248	0	%100
39	M37A	X	0	0	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	0	0	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	-.143	-.143	0	%100
44	M41A	Z	.248	.248	0	%100
45	M42A	X	-.438	-.438	0	%100
46	M42A	Z	.759	.759	0	%100
47	M44A	X	-.462	-.462	0	%100
48	M44A	Z	.8	.8	0	%100
49	M49	X	-.34	-.34	0	%100
50	M49	Z	.589	.589	0	%100
51	M50	X	0	0	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	0	0	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	0	0	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	-.239	-.239	0	%100
58	M55	Z	.414	.414	0	%100
59	M56	X	-.239	-.239	0	%100
60	M56	Z	.414	.414	0	%100
61	M60	X	-.574	-.574	0	%100
62	M60	Z	.994	.994	0	%100
63	M61	X	-.438	-.438	0	%100
64	M61	Z	.759	.759	0	%100
65	M63	X	-.462	-.462	0	%100
66	M63	Z	.8	.8	0	%100



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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.%]
67	M65	X	-574	-574	0	%100
68	M65	Z	.994	.994	0	%100
69	M66	X	-438	-438	0	%100
70	M66	Z	.759	.759	0	%100
71	M68	X	-462	-462	0	%100
72	M68	Z	.8	.8	0	%100
73	M73	X	-251	-251	0	%100
74	M73	Z	.435	.435	0	%100
75	M74	X	-251	-251	0	%100
76	M74	Z	.435	.435	0	%100
77	M75	X	0	0	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	-.17	-.17	0	%100
80	M76	Z	.295	.295	0	%100
81	M77	X	-.17	-.17	0	%100
82	M77	Z	.295	.295	0	%100
83	M78	X	0	0	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	-.202	-.202	0	%100
86	M85	Z	.35	.35	0	%100
87	M86	X	0	0	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	-.202	-.202	0	%100
90	M87	Z	.35	.35	0	%100
91	MP1A	X	-.275	-.275	0	%100
92	MP1A	Z	.476	.476	0	%100
93	MP2A	X	-.275	-.275	0	%100
94	MP2A	Z	.476	.476	0	%100
95	MP3A	X	-.275	-.275	0	%100
96	MP3A	Z	.476	.476	0	%100
97	MP4A	X	-.275	-.275	0	%100
98	MP4A	Z	.476	.476	0	%100
99	MP1C	X	-.275	-.275	0	%100
100	MP1C	Z	.476	.476	0	%100
101	MP2C	X	-.275	-.275	0	%100
102	MP2C	Z	.476	.476	0	%100
103	MP3C	X	-.275	-.275	0	%100
104	MP3C	Z	.476	.476	0	%100
105	MP4C	X	-.275	-.275	0	%100
106	MP4C	Z	.476	.476	0	%100
107	MP1B	X	-.275	-.275	0	%100
108	MP1B	Z	.476	.476	0	%100
109	MP2B	X	-.275	-.275	0	%100
110	MP2B	Z	.476	.476	0	%100
111	MP3B	X	-.275	-.275	0	%100
112	MP3B	Z	.476	.476	0	%100
113	MP4B	X	-.275	-.275	0	%100
114	MP4B	Z	.476	.476	0	%100
115	OVP	X	-.227	-.227	0	%100
116	OVP	Z	.393	.393	0	%100
117	M126	X	-.421	-.421	0	%100
118	M126	Z	.729	.729	0	%100
119	M127	X	-.421	-.421	0	%100
120	M127	Z	.729	.729	0	%100
121	M128	X	-.429	-.429	0	%100
122	M128	Z	.744	.744	0	%100



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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	M25	X	-.442	-.442	0	%100
2	M25	Z	.255	.255	0	%100
3	M26	X	-.125	-.125	0	%100
4	M26	Z	.072	.072	0	%100
5	M27	X	-.125	-.125	0	%100
6	M27	Z	.072	.072	0	%100
7	M28	X	-.248	-.248	0	%100
8	M28	Z	.143	.143	0	%100
9	M31	X	-.552	-.552	0	%100
10	M31	Z	.319	.319	0	%100
11	M32	X	-.138	-.138	0	%100
12	M32	Z	.08	.08	0	%100
13	M36	X	-.745	-.745	0	%100
14	M36	Z	.43	.43	0	%100
15	M37	X	-1.012	-1.012	0	%100
16	M37	Z	.584	.584	0	%100
17	M39	X	-1.066	-1.066	0	%100
18	M39	Z	.616	.616	0	%100
19	M41	X	-.745	-.745	0	%100
20	M41	Z	.43	.43	0	%100
21	M42	X	-.253	-.253	0	%100
22	M42	Z	.146	.146	0	%100
23	M44	X	-.267	-.267	0	%100
24	M44	Z	.154	.154	0	%100
25	M25A	X	0	0	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	-.498	-.498	0	%100
28	M26A	Z	.288	.288	0	%100
29	M27A	X	-.498	-.498	0	%100
30	M27A	Z	.288	.288	0	%100
31	M28A	X	-.994	-.994	0	%100
32	M28A	Z	.574	.574	0	%100
33	M31A	X	-.138	-.138	0	%100
34	M31A	Z	.08	.08	0	%100
35	M32A	X	-.138	-.138	0	%100
36	M32A	Z	.08	.08	0	%100
37	M36A	X	0	0	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	-.253	-.253	0	%100
40	M37A	Z	.146	.146	0	%100
41	M39A	X	-.267	-.267	0	%100
42	M39A	Z	.154	.154	0	%100
43	M41A	X	0	0	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	-.253	-.253	0	%100
46	M42A	Z	.146	.146	0	%100
47	M44A	X	-.267	-.267	0	%100
48	M44A	Z	.154	.154	0	%100
49	M49	X	-.442	-.442	0	%100
50	M49	Z	.255	.255	0	%100
51	M50	X	-.125	-.125	0	%100
52	M50	Z	.072	.072	0	%100
53	M51	X	-.125	-.125	0	%100
54	M51	Z	.072	.072	0	%100
55	M52	X	-.248	-.248	0	%100
56	M52	Z	.143	.143	0	%100
57	M55	X	-.138	-.138	0	%100



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

	Member Label	Direction	Start Magnitude[lb/ft.]	End Magnitude[lb/ft.]	Start Location[ft.%]	End Location[ft.%]
58	M55	Z	.08	.08	0	%100
59	M56	X	-.552	-.552	0	%100
60	M56	Z	.319	.319	0	%100
61	M60	X	-.745	-.745	0	%100
62	M60	Z	.43	.43	0	%100
63	M61	X	-.253	-.253	0	%100
64	M61	Z	.146	.146	0	%100
65	M63	X	-.267	-.267	0	%100
66	M63	Z	.154	.154	0	%100
67	M65	X	-.745	-.745	0	%100
68	M65	Z	.43	.43	0	%100
69	M66	X	-1.012	-1.012	0	%100
70	M66	Z	.584	.584	0	%100
71	M68	X	-1.066	-1.066	0	%100
72	M68	Z	.616	.616	0	%100
73	M73	X	-.145	-.145	0	%100
74	M73	Z	.084	.084	0	%100
75	M74	X	-.58	-.58	0	%100
76	M74	Z	.335	.335	0	%100
77	M75	X	-.145	-.145	0	%100
78	M75	Z	.084	.084	0	%100
79	M76	X	-.098	-.098	0	%100
80	M76	Z	.057	.057	0	%100
81	M77	X	-.393	-.393	0	%100
82	M77	Z	.227	.227	0	%100
83	M78	X	-.098	-.098	0	%100
84	M78	Z	.057	.057	0	%100
85	M85	X	-.467	-.467	0	%100
86	M85	Z	.27	.27	0	%100
87	M86	X	-.117	-.117	0	%100
88	M86	Z	.067	.067	0	%100
89	M87	X	-.117	-.117	0	%100
90	M87	Z	.067	.067	0	%100
91	MP1A	X	-.476	-.476	0	%100
92	MP1A	Z	.275	.275	0	%100
93	MP2A	X	-.476	-.476	0	%100
94	MP2A	Z	.275	.275	0	%100
95	MP3A	X	-.476	-.476	0	%100
96	MP3A	Z	.275	.275	0	%100
97	MP4A	X	-.476	-.476	0	%100
98	MP4A	Z	.275	.275	0	%100
99	MP1C	X	-.476	-.476	0	%100
100	MP1C	Z	.275	.275	0	%100
101	MP2C	X	-.476	-.476	0	%100
102	MP2C	Z	.275	.275	0	%100
103	MP3C	X	-.476	-.476	0	%100
104	MP3C	Z	.275	.275	0	%100
105	MP4C	X	-.476	-.476	0	%100
106	MP4C	Z	.275	.275	0	%100
107	MP1B	X	-.476	-.476	0	%100
108	MP1B	Z	.275	.275	0	%100
109	MP2B	X	-.476	-.476	0	%100
110	MP2B	Z	.275	.275	0	%100
111	MP3B	X	-.476	-.476	0	%100
112	MP3B	Z	.275	.275	0	%100
113	MP4B	X	-.476	-.476	0	%100
114	MP4B	Z	.275	.275	0	%100



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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.%]
115	OVP	X	-.393	-.393	0	%100
116	OVP	Z	.227	.227	0	%100
117	M126	X	-.739	-.739	0	%100
118	M126	Z	.427	.427	0	%100
119	M127	X	-.724	-.724	0	%100
120	M127	Z	.418	.418	0	%100
121	M128	X	-.739	-.739	0	%100
122	M128	Z	.427	.427	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	M25	X	-.68	-.68	0	%100
2	M25	Z	0	0	0	%100
3	M26	X	0	0	0	%100
4	M26	Z	0	0	0	%100
5	M27	X	0	0	0	%100
6	M27	Z	0	0	0	%100
7	M28	X	0	0	0	%100
8	M28	Z	0	0	0	%100
9	M31	X	-.478	-.478	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	-.478	-.478	0	%100
12	M32	Z	0	0	0	%100
13	M36	X	-1.148	-1.148	0	%100
14	M36	Z	0	0	0	%100
15	M37	X	-.877	-.877	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	-.923	-.923	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	-1.148	-1.148	0	%100
20	M41	Z	0	0	0	%100
21	M42	X	-.877	-.877	0	%100
22	M42	Z	0	0	0	%100
23	M44	X	-.923	-.923	0	%100
24	M44	Z	0	0	0	%100
25	M25A	X	-.17	-.17	0	%100
26	M25A	Z	0	0	0	%100
27	M26A	X	-.432	-.432	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	-.432	-.432	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	-.861	-.861	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	-.478	-.478	0	%100
34	M31A	Z	0	0	0	%100
35	M32A	X	0	0	0	%100
36	M32A	Z	0	0	0	%100
37	M36A	X	-.287	-.287	0	%100
38	M36A	Z	0	0	0	%100
39	M37A	X	-.877	-.877	0	%100
40	M37A	Z	0	0	0	%100
41	M39A	X	-.923	-.923	0	%100
42	M39A	Z	0	0	0	%100
43	M41A	X	-.287	-.287	0	%100
44	M41A	Z	0	0	0	%100
45	M42A	X	0	0	0	%100



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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.%]
46	M42A	Z	0	0	0	%100
47	M44A	X	0	0	0	%100
48	M44A	Z	0	0	0	%100
49	M49	X	-17	-17	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-432	-432	0	%100
52	M50	Z	0	0	0	%100
53	M51	X	-432	-432	0	%100
54	M51	Z	0	0	0	%100
55	M52	X	-861	-861	0	%100
56	M52	Z	0	0	0	%100
57	M55	X	0	0	0	%100
58	M55	Z	0	0	0	%100
59	M56	X	-478	-478	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-287	-287	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	0	0	0	%100
64	M61	Z	0	0	0	%100
65	M63	X	0	0	0	%100
66	M63	Z	0	0	0	%100
67	M65	X	-287	-287	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-877	-877	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	-923	-923	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	0	0	0	%100
74	M73	Z	0	0	0	%100
75	M74	X	-502	-502	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-502	-502	0	%100
78	M75	Z	0	0	0	%100
79	M76	X	0	0	0	%100
80	M76	Z	0	0	0	%100
81	M77	X	-341	-341	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	-341	-341	0	%100
84	M78	Z	0	0	0	%100
85	M85	X	-404	-404	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	-404	-404	0	%100
88	M86	Z	0	0	0	%100
89	M87	X	0	0	0	%100
90	M87	Z	0	0	0	%100
91	MP1A	X	-55	-55	0	%100
92	MP1A	Z	0	0	0	%100
93	MP2A	X	-55	-55	0	%100
94	MP2A	Z	0	0	0	%100
95	MP3A	X	-55	-55	0	%100
96	MP3A	Z	0	0	0	%100
97	MP4A	X	-55	-55	0	%100
98	MP4A	Z	0	0	0	%100
99	MP1C	X	-55	-55	0	%100
100	MP1C	Z	0	0	0	%100
101	MP2C	X	-55	-55	0	%100
102	MP2C	Z	0	0	0	%100



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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.%]
103	MP3C	X	-55	-55	0	%100
104	MP3C	Z	0	0	0	%100
105	MP4C	X	-55	-55	0	%100
106	MP4C	Z	0	0	0	%100
107	MP1B	X	-55	-55	0	%100
108	MP1B	Z	0	0	0	%100
109	MP2B	X	-55	-55	0	%100
110	MP2B	Z	0	0	0	%100
111	MP3B	X	-55	-55	0	%100
112	MP3B	Z	0	0	0	%100
113	MP4B	X	-55	-55	0	%100
114	MP4B	Z	0	0	0	%100
115	OVP	X	-454	-454	0	%100
116	OVP	Z	0	0	0	%100
117	M126	X	-859	-859	0	%100
118	M126	Z	0	0	0	%100
119	M127	X	-842	-842	0	%100
120	M127	Z	0	0	0	%100
121	M128	X	-842	-842	0	%100
122	M128	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	M25	X	-442	-442	0	%100
2	M25	Z	-255	-255	0	%100
3	M26	X	-125	-125	0	%100
4	M26	Z	-072	-072	0	%100
5	M27	X	-125	-125	0	%100
6	M27	Z	-072	-072	0	%100
7	M28	X	-248	-248	0	%100
8	M28	Z	-143	-143	0	%100
9	M31	X	-138	-138	0	%100
10	M31	Z	-08	-08	0	%100
11	M32	X	-552	-552	0	%100
12	M32	Z	-319	-319	0	%100
13	M36	X	-745	-745	0	%100
14	M36	Z	-43	-43	0	%100
15	M37	X	-253	-253	0	%100
16	M37	Z	-146	-146	0	%100
17	M39	X	-267	-267	0	%100
18	M39	Z	-154	-154	0	%100
19	M41	X	-745	-745	0	%100
20	M41	Z	-43	-43	0	%100
21	M42	X	-1.012	-1.012	0	%100
22	M42	Z	-584	-584	0	%100
23	M44	X	-1.066	-1.066	0	%100
24	M44	Z	-616	-616	0	%100
25	M25A	X	-442	-442	0	%100
26	M25A	Z	-255	-255	0	%100
27	M26A	X	-125	-125	0	%100
28	M26A	Z	-072	-072	0	%100
29	M27A	X	-125	-125	0	%100
30	M27A	Z	-072	-072	0	%100
31	M28A	X	-248	-248	0	%100
32	M28A	Z	-143	-143	0	%100
33	M31A	X	-552	-552	0	%100



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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.%]
34	M31A	Z	-0.319	-0.319	0	%100
35	M32A	X	-0.138	-0.138	0	%100
36	M32A	Z	-0.08	-0.08	0	%100
37	M36A	X	-0.745	-0.745	0	%100
38	M36A	Z	-0.43	-0.43	0	%100
39	M37A	X	-1.012	-1.012	0	%100
40	M37A	Z	-0.584	-0.584	0	%100
41	M39A	X	-1.066	-1.066	0	%100
42	M39A	Z	-0.616	-0.616	0	%100
43	M41A	X	-0.745	-0.745	0	%100
44	M41A	Z	-0.43	-0.43	0	%100
45	M42A	X	-0.253	-0.253	0	%100
46	M42A	Z	-0.146	-0.146	0	%100
47	M44A	X	-0.267	-0.267	0	%100
48	M44A	Z	-0.154	-0.154	0	%100
49	M49	X	0	0	0	%100
50	M49	Z	0	0	0	%100
51	M50	X	-0.498	-0.498	0	%100
52	M50	Z	-0.288	-0.288	0	%100
53	M51	X	-0.498	-0.498	0	%100
54	M51	Z	-0.288	-0.288	0	%100
55	M52	X	-0.994	-0.994	0	%100
56	M52	Z	-0.574	-0.574	0	%100
57	M55	X	-0.138	-0.138	0	%100
58	M55	Z	-0.08	-0.08	0	%100
59	M56	X	-0.138	-0.138	0	%100
60	M56	Z	-0.08	-0.08	0	%100
61	M60	X	0	0	0	%100
62	M60	Z	0	0	0	%100
63	M61	X	-0.253	-0.253	0	%100
64	M61	Z	-0.146	-0.146	0	%100
65	M63	X	-0.267	-0.267	0	%100
66	M63	Z	-0.154	-0.154	0	%100
67	M65	X	0	0	0	%100
68	M65	Z	0	0	0	%100
69	M66	X	-0.253	-0.253	0	%100
70	M66	Z	-0.146	-0.146	0	%100
71	M68	X	-0.267	-0.267	0	%100
72	M68	Z	-0.154	-0.154	0	%100
73	M73	X	-0.145	-0.145	0	%100
74	M73	Z	-0.084	-0.084	0	%100
75	M74	X	-0.145	-0.145	0	%100
76	M74	Z	-0.084	-0.084	0	%100
77	M75	X	-0.58	-0.58	0	%100
78	M75	Z	-0.335	-0.335	0	%100
79	M76	X	-0.098	-0.098	0	%100
80	M76	Z	-0.057	-0.057	0	%100
81	M77	X	-0.098	-0.098	0	%100
82	M77	Z	-0.057	-0.057	0	%100
83	M78	X	-0.393	-0.393	0	%100
84	M78	Z	-0.227	-0.227	0	%100
85	M85	X	-0.117	-0.117	0	%100
86	M85	Z	-0.067	-0.067	0	%100
87	M86	X	-0.467	-0.467	0	%100
88	M86	Z	-0.27	-0.27	0	%100
89	M87	X	-0.117	-0.117	0	%100
90	M87	Z	-0.067	-0.067	0	%100



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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.%]
91	MP1A	X	-476	-476	0	%100
92	MP1A	Z	-275	-275	0	%100
93	MP2A	X	-476	-476	0	%100
94	MP2A	Z	-275	-275	0	%100
95	MP3A	X	-476	-476	0	%100
96	MP3A	Z	-275	-275	0	%100
97	MP4A	X	-476	-476	0	%100
98	MP4A	Z	-275	-275	0	%100
99	MP1C	X	-476	-476	0	%100
100	MP1C	Z	-275	-275	0	%100
101	MP2C	X	-476	-476	0	%100
102	MP2C	Z	-275	-275	0	%100
103	MP3C	X	-476	-476	0	%100
104	MP3C	Z	-275	-275	0	%100
105	MP4C	X	-476	-476	0	%100
106	MP4C	Z	-275	-275	0	%100
107	MP1B	X	-476	-476	0	%100
108	MP1B	Z	-275	-275	0	%100
109	MP2B	X	-476	-476	0	%100
110	MP2B	Z	-275	-275	0	%100
111	MP3B	X	-476	-476	0	%100
112	MP3B	Z	-275	-275	0	%100
113	MP4B	X	-476	-476	0	%100
114	MP4B	Z	-275	-275	0	%100
115	OVP	X	-393	-393	0	%100
116	OVP	Z	-227	-227	0	%100
117	M126	X	-739	-739	0	%100
118	M126	Z	-427	-427	0	%100
119	M127	X	-739	-739	0	%100
120	M127	Z	-427	-427	0	%100
121	M128	X	-724	-724	0	%100
122	M128	Z	-418	-418	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	M25	X	-085	-085	0	%100
2	M25	Z	-147	-147	0	%100
3	M26	X	-216	-216	0	%100
4	M26	Z	-374	-374	0	%100
5	M27	X	-216	-216	0	%100
6	M27	Z	-374	-374	0	%100
7	M28	X	-43	-43	0	%100
8	M28	Z	-745	-745	0	%100
9	M31	X	0	0	0	%100
10	M31	Z	0	0	0	%100
11	M32	X	-239	-239	0	%100
12	M32	Z	-414	-414	0	%100
13	M36	X	-143	-143	0	%100
14	M36	Z	-248	-248	0	%100
15	M37	X	0	0	0	%100
16	M37	Z	0	0	0	%100
17	M39	X	0	0	0	%100
18	M39	Z	0	0	0	%100
19	M41	X	-143	-143	0	%100
20	M41	Z	-248	-248	0	%100
21	M42	X	-438	-438	0	%100



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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.%]
22	M42	Z	-759	-759	0	%100
23	M44	X	-462	-462	0	%100
24	M44	Z	-8	-8	0	%100
25	M25A	X	-34	-34	0	%100
26	M25A	Z	-589	-589	0	%100
27	M26A	X	0	0	0	%100
28	M26A	Z	0	0	0	%100
29	M27A	X	0	0	0	%100
30	M27A	Z	0	0	0	%100
31	M28A	X	0	0	0	%100
32	M28A	Z	0	0	0	%100
33	M31A	X	-239	-239	0	%100
34	M31A	Z	-414	-414	0	%100
35	M32A	X	-239	-239	0	%100
36	M32A	Z	-414	-414	0	%100
37	M36A	X	-574	-574	0	%100
38	M36A	Z	-994	-994	0	%100
39	M37A	X	-438	-438	0	%100
40	M37A	Z	-759	-759	0	%100
41	M39A	X	-462	-462	0	%100
42	M39A	Z	-8	-8	0	%100
43	M41A	X	-574	-574	0	%100
44	M41A	Z	-994	-994	0	%100
45	M42A	X	-438	-438	0	%100
46	M42A	Z	-759	-759	0	%100
47	M44A	X	-462	-462	0	%100
48	M44A	Z	-8	-8	0	%100
49	M49	X	-085	-085	0	%100
50	M49	Z	-147	-147	0	%100
51	M50	X	-216	-216	0	%100
52	M50	Z	-374	-374	0	%100
53	M51	X	-216	-216	0	%100
54	M51	Z	-374	-374	0	%100
55	M52	X	-43	-43	0	%100
56	M52	Z	-745	-745	0	%100
57	M55	X	-239	-239	0	%100
58	M55	Z	-414	-414	0	%100
59	M56	X	0	0	0	%100
60	M56	Z	0	0	0	%100
61	M60	X	-143	-143	0	%100
62	M60	Z	-248	-248	0	%100
63	M61	X	-438	-438	0	%100
64	M61	Z	-759	-759	0	%100
65	M63	X	-462	-462	0	%100
66	M63	Z	-8	-8	0	%100
67	M65	X	-143	-143	0	%100
68	M65	Z	-248	-248	0	%100
69	M66	X	0	0	0	%100
70	M66	Z	0	0	0	%100
71	M68	X	0	0	0	%100
72	M68	Z	0	0	0	%100
73	M73	X	-251	-251	0	%100
74	M73	Z	-435	-435	0	%100
75	M74	X	0	0	0	%100
76	M74	Z	0	0	0	%100
77	M75	X	-251	-251	0	%100
78	M75	Z	-435	-435	0	%100



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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.%]
79	M76	X	-17	-17	0	%100
80	M76	Z	-295	-295	0	%100
81	M77	X	0	0	0	%100
82	M77	Z	0	0	0	%100
83	M78	X	-17	-17	0	%100
84	M78	Z	-295	-295	0	%100
85	M85	X	0	0	0	%100
86	M85	Z	0	0	0	%100
87	M86	X	-202	-202	0	%100
88	M86	Z	-35	-35	0	%100
89	M87	X	-202	-202	0	%100
90	M87	Z	-35	-35	0	%100
91	MP1A	X	-275	-275	0	%100
92	MP1A	Z	-476	-476	0	%100
93	MP2A	X	-275	-275	0	%100
94	MP2A	Z	-476	-476	0	%100
95	MP3A	X	-275	-275	0	%100
96	MP3A	Z	-476	-476	0	%100
97	MP4A	X	-275	-275	0	%100
98	MP4A	Z	-476	-476	0	%100
99	MP1C	X	-275	-275	0	%100
100	MP1C	Z	-476	-476	0	%100
101	MP2C	X	-275	-275	0	%100
102	MP2C	Z	-476	-476	0	%100
103	MP3C	X	-275	-275	0	%100
104	MP3C	Z	-476	-476	0	%100
105	MP4C	X	-275	-275	0	%100
106	MP4C	Z	-476	-476	0	%100
107	MP1B	X	-275	-275	0	%100
108	MP1B	Z	-476	-476	0	%100
109	MP2B	X	-275	-275	0	%100
110	MP2B	Z	-476	-476	0	%100
111	MP3B	X	-275	-275	0	%100
112	MP3B	Z	-476	-476	0	%100
113	MP4B	X	-275	-275	0	%100
114	MP4B	Z	-476	-476	0	%100
115	OVP	X	-227	-227	0	%100
116	OVP	Z	-393	-393	0	%100
117	M126	X	-421	-421	0	%100
118	M126	Z	-729	-729	0	%100
119	M127	X	-429	-429	0	%100
120	M127	Z	-744	-744	0	%100
121	M128	X	-421	-421	0	%100
122	M128	Z	-729	-729	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	M31A	Y	-1.807	-4.258	0	.832
2	M31A	Y	-4.258	-6.771	.832	1.665
3	M31A	Y	-6.771	-7.939	1.665	2.497
4	M31A	Y	-7.939	-6.325	2.497	3.329
5	M31A	Y	-6.325	-3.336	3.329	4.162
6	M32A	Y	-3.33	-6.293	0	.832
7	M32A	Y	-6.293	-7.874	.832	1.665
8	M32A	Y	-7.874	-6.634	1.665	2.497
9	M32A	Y	-6.634	-4.064	2.497	3.329



Company :
 Designer :
 Job Number :
 Model Name :

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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.%]
10	M32A	Y	-4.064	-1.601	3.329	4.162
11	M31	Y	-1.807	-4.258	0	.832
12	M31	Y	-4.258	-6.771	.832	1.665
13	M31	Y	-6.771	-7.939	1.665	2.497
14	M31	Y	-7.939	-6.325	2.497	3.329
15	M31	Y	-6.325	-3.336	3.329	4.162
16	M32	Y	-3.33	-6.293	0	.832
17	M32	Y	-6.293	-7.874	.832	1.665
18	M32	Y	-7.874	-6.634	1.665	2.497
19	M32	Y	-6.634	-4.064	2.497	3.329
20	M32	Y	-4.064	-1.601	3.329	4.162
21	M55	Y	-1.6	-4.065	0	.832
22	M55	Y	-4.065	-6.634	.832	1.665
23	M55	Y	-6.634	-7.872	1.665	2.497
24	M55	Y	-7.872	-6.293	2.497	3.329
25	M55	Y	-6.293	-3.33	3.329	4.162
26	M56	Y	-3.329	-6.319	0	.832
27	M56	Y	-6.319	-7.943	.832	1.665
28	M56	Y	-7.943	-6.777	1.665	2.497
29	M56	Y	-6.777	-4.257	2.497	3.329
30	M56	Y	-4.257	-1.81	3.329	4.162

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

	Member Label	Direction	Start Magnitude[lb/ft....	End Magnitude[lb/ft.F...	Start Location[ft.%]	End Location[ft.%]
1	M31A	Y	-3.795	-8.942	0	.832
2	M31A	Y	-8.942	-14.219	.832	1.665
3	M31A	Y	-14.219	-16.671	1.665	2.497
4	M31A	Y	-16.671	-13.282	2.497	3.329
5	M31A	Y	-13.282	-7.006	3.329	4.162
6	M32A	Y	-6.992	-13.215	0	.832
7	M32A	Y	-13.215	-16.535	.832	1.665
8	M32A	Y	-16.535	-13.932	1.665	2.497
9	M32A	Y	-13.932	-8.535	2.497	3.329
10	M32A	Y	-8.535	-3.363	3.329	4.162
11	M31	Y	-3.795	-8.942	0	.832
12	M31	Y	-8.942	-14.219	.832	1.665
13	M31	Y	-14.219	-16.671	1.665	2.497
14	M31	Y	-16.671	-13.282	2.497	3.329
15	M31	Y	-13.282	-7.006	3.329	4.162
16	M32	Y	-6.992	-13.215	0	.832
17	M32	Y	-13.215	-16.535	.832	1.665
18	M32	Y	-16.535	-13.932	1.665	2.497
19	M32	Y	-13.932	-8.535	2.497	3.329
20	M32	Y	-8.535	-3.363	3.329	4.162
21	M55	Y	-3.359	-8.536	0	.832
22	M55	Y	-8.536	-13.932	.832	1.665
23	M55	Y	-13.932	-16.532	1.665	2.497
24	M55	Y	-16.532	-13.215	2.497	3.329
25	M55	Y	-13.215	-6.993	3.329	4.162
26	M56	Y	-6.991	-13.27	0	.832
27	M56	Y	-13.27	-16.681	.832	1.665
28	M56	Y	-16.681	-14.231	1.665	2.497
29	M56	Y	-14.231	-8.94	2.497	3.329
30	M56	Y	-8.94	-3.802	3.329	4.162



Company
Designer
Job Number
Model Name

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Member Area Loads (BLC 39 : Structure D)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N34A	N57A	N55A	N33A	Y	Two Way	-.005
2	N33	N56	N54	N32	Y	Two Way	-.005
3	N63	N86	N84	N62	Y	Two Way	-.005

Member Area Loads (BLC 40 : Structure Di)

	Joint A	Joint B	Joint C	Joint D	Direction	Distribution	Magnitude[ksf]
1	N34A	N57A	N55A	N33A	Y	Two Way	-.011
2	N33	N56	N54	N32	Y	Two Way	-.011
3	N63	N86	N84	N62	Y	Two Way	-.011

Envelope Joint Reactions

Joint		X [lb]	LC	Y [lb]	LC	Z [lb]	LC	MX [k-ft]	LC	MY [k-ft]	LC	MZ [k-ft]	LC	
1	N30	max	713.316	9	783.365	7	4001.533	1	.739	7	.812	3	.231	22
2		min	-710.525	3	-443.946	1	-2343.053	7	-.314	1	-.804	9	-.104	4
3	N31A	max	3539.546	9	891.375	3	1265.273	3	.204	9	.801	11	.082	9
4		min	-2077.566	3	-429.18	9	-2116.447	9	-.749	27	-.794	5	-.664	15
5	N60	max	1740.571	11	698.05	11	1402.335	12	.075	7	.755	7	.564	11
6		min	-3203.879	5	-320.384	5	-2243.628	6	-.958	37	-.741	1	-.268	5
7	N187	max	29.67	10	2530.762	1	412.951	7	0	75	0	3	0	9
8		min	-29.66	4	-459.078	7	-2303.311	1	0	1	0	9	0	3
9	N190	max	316.933	3	2518.986	9	1147.496	9	0	9	0	27	0	27
10		min	-1984.511	9	-408.263	3	-182.684	3	0	27	0	9	0	9
11	N193	max	1808.912	5	2298.869	5	1043.042	5	0	11	0	11	0	11
12		min	-144.297	11	-193.592	11	-83.435	11	0	41	0	41	0	41
13	Totals:	max	3508.922	10	7417.097	20	3927.818	1						
14		min	-3508.921	4	2738.386	65	-3927.815	7						

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

Member	Shape	Code Check	Loc[ft]	LC	Shear	Loc[ft]	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn y	phi*Mn z	Cb	Eqn
1	M25	HSS4X4X4	.157	3.188	1	.048	3.188	y	3	124657....	139518	16.181	16.181	1...H1-1b
2	M26	HSS4X4X4	.127	2.375	14	.047	2.375	y	13	136263....	139518	16.181	16.181	1...H1-1b
3	M27	HSS4X4X4	.119	0	24	.040	0	y	22	136263....	139518	16.181	16.181	1...H1-1b
4	M28	PL3/8x6	.202	.516	2	.102	.516	y	3	36639.4...	72900	.57	9.113	1...H1-1b
5	M31	L2x2x3	.109	0	2	.010	0	v	18	9823.122	23392.8	.558	1.082	1...H2-1
6	M32	L2x2x3	.127	0	2	.010	4.162	y	21	9823.122	23392.8	.558	1.077	1...H2-1
7	M36	PL3/8x6	.316	0	3	.168	0	y	7	70677.9...	72900	.57	9.113	1...H1-1b
8	M37	PL3/8x6	.206	.167	7	.246	0	y	13	71601.7...	72900	.57	9.113	1...H1-1b
9	M39	PL3/8x6	.095	.112	1	.231	0	y	12	72311.05	72900	.57	9.113	1...H1-1b
10	M41	PL3/8x6	.437	0	9	.141	0	y	8	70677.9...	72900	.57	9.113	1...H1-1b
11	M42	PL3/8x6	.239	.167	8	.222	0	y	24	71601.7...	72900	.57	9.113	1...H1-1b
12	M44	PL3/8x6	.079	.112	1	.260	0	y	2	72311.05	72900	.57	9.113	1...H1-1b
13	M25A	HSS4X4X4	.153	3.188	9	.055	.973	v	26	124657....	139518	16.181	16.181	1...H1-1b
14	M26A	HSS4X4X4	.128	2.375	21	.047	2.375	v	20	136263....	139518	16.181	16.181	1...H1-1b
15	M27A	HSS4X4X4	.122	0	20	.048	0	v	28	136263....	139518	16.181	16.181	1...H1-1b
16	M28A	PL3/8x6	.182	.516	11	.094	.516	y	11	36639.4...	72900	.57	9.113	1...H1-1b
17	M31A	L2x2x3	.101	0	10	.010	0	v	14	9823.122	23392.8	.558	1.082	1...H2-1
18	M32A	L2x2x3	.118	4.162	9	.010	4.162	y	17	9823.122	23392.8	.558	1.077	1...H2-1
19	M36A	PL3/8x6	.271	0	11	.166	0	v	3	70677.9...	72900	.57	9.113	1...H1-1b
20	M37A	PL3/8x6	.206	.167	3	.249	0	y	20	71601.7...	72900	.57	9.113	1...H1-1b
21	M39A	PL3/8x6	.091	.112	9	.247	0	y	8	72311.05	72900	.57	9.113	1...H1-1b
22	M41A	PL3/8x6	.394	0	5	.129	0	y	4	70677.9...	72900	.57	9.113	1...H1-1b
23	M42A	PL3/8x6	.215	.167	4	.240	0	y	32	71601.7...	72900	.57	9.113	1...H1-1b



Company :
 Designer :
 Job Number :
 Model Name :

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

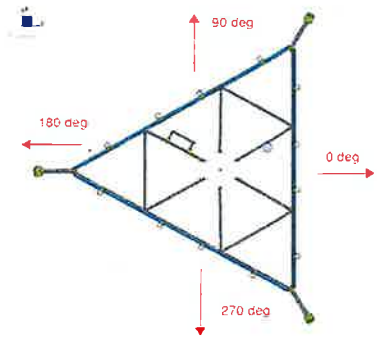
Member	Shape	Code Check	Loc(ft)	LC Shear	Loc(ft)	Dir	LC	phi*Pnc	phi*Pnt	phi*Mn y	phi*Mn z	Cb	Eqn	
24	M44A	PL3/8x6	.077	.112	8	.224	0	y	11	72311.05	72900	.57	9.113	1...H1-1b
25	M49	HSS4X4X4	.141	3.188	5	.071	0	y	37	124657...	139518	16.181	16.181	1...H1-1b
26	M50	HSS4X4X4	.133	2.375	18	.049	2.375	y	17	136263...	139518	16.181	16.181	1...H1-1b
27	M51	HSS4X4X4	.121	0	16	.040	0	y	14	136263...	139518	16.181	16.181	1...H1-1b
28	M52	PL3/8x6	.211	.516	7	.105	.516	y	7	36639.4...	72900	.57	9.113	1...H1-1b
29	M55	L2x2x3	.110	0	6	.010	0	y	22	9823.122	23392.8	.558	1.082	1...H2-1
30	M56	L2x2x3	.124	0	6	.011	4.162	y	13	9823.122	23392.8	.558	1.077	1...H2-1
31	M60	PL3/8x6	.372	0	7	.148	0	y	11	70677.9...	72900	.57	9.113	1.2H1-1b
32	M61	PL3/8x6	.196	.167	11	.264	0	y	42	71601.7...	72900	.57	9.113	1...H1-1b
33	M63	PL3/8x6	.083	.112	6	.215	0	y	4	72311.05	72900	.57	9.113	1...H1-1b
34	M65	PL3/8x6	.451	0	1	.140	0	y	12	70677.9...	72900	.57	9.113	1...H1-1b
35	M66	PL3/8x6	.248	0	1	.227	0	y	16	71601.7...	72900	.57	9.113	1...H1-1b
36	M68	PL3/8x6	.070	.112	6	.254	0	y	7	72311.05	72900	.57	9.113	1...H1-1b
37	M73	PIPE 3.0	.125	3.646	10	.139	8.333		6	28250.5...	65205	5.749	5.749	3...H1-1b
38	M74	PIPE 3.0	.135	3.646	6	.144	8.333		2	28250.5...	65205	5.749	5.749	3...H1-1b
39	M75	PIPE 3.0	.145	3.646	2	.134	8.333		10	28250.5...	65205	5.749	5.749	3...H1-1b
40	M76	PIPE 2.0	.400	7.943	6	.239	11.328		6	6295.422	32130	1.872	1.872	2...H1-1b
41	M77	PIPE 2.0	.409	7.943	2	.241	11.328		2	6295.422	32130	1.872	1.872	2...H1-1b
42	M78	PIPE 2.0	.392	7.943	10	.224	11.328		10	6295.422	32130	1.872	1.872	2...H1-1b
43	M85	L2.5x2.5x4	.510	0	10	.079	0	z	6	36681.7...	38556	1.114	2.537	1...H2-1
44	M86	L2.5x2.5x4	.525	0	6	.089	.206	z	2	36681.7...	38556	1.114	2.537	1...H2-1
45	M87	L2.5x2.5x4	.536	0	2	.083	0	z	9	36681.7...	38556	1.114	2.537	1...H2-1
46	MP1A	PIPE 2.5	.231	5.514	5	.230	2.089		6	29956.5...	50715	3.596	3.596	3...H1-1b
47	MP2A	PIPE 2.5	.260	5.514	12	.131	5.514		5	29956.5...	50715	3.596	3.596	2...H1-1b
48	MP3A	PIPE 2.5	.229	5.514	10	.150	5.514		7	29956.5...	50715	3.596	3.596	3...H1-1b
49	MP4A	PIPE 2.5	.171	5.514	7	.200	2.089		7	29956.5...	50715	3.596	3.596	2...H1-1b
50	MP1C	PIPE 2.5	.271	5.514	1	.235	2.089		2	29956.5...	50715	3.596	3.596	3...H1-1b
51	MP2C	PIPE 2.5	.290	5.514	7	.142	5.514		1	29956.5...	50715	3.596	3.596	3...H1-1b
52	MP3C	PIPE 2.5	.264	5.514	7	.138	5.514		2	29956.5...	50715	3.596	3.596	3...H1-1b
53	MP4C	PIPE 2.5	.178	5.514	7	.201	2.089		2	29956.5...	50715	3.596	3.596	4...H1-1b
54	MP1B	PIPE 2.5	.262	5.514	9	.221	3.091		10	29956.5...	50715	3.596	3.596	1...H1-1b
55	MP2B	PIPE 2.5	.293	5.514	2	.129	5.514		9	29956.5...	50715	3.596	3.596	2...H1-1b
56	MP3B	PIPE 2.5	.273	5.514	2	.129	5.514		10	29956.5...	50715	3.596	3.596	3...H1-1b
57	MP4B	PIPE 2.5	.195	5.514	2	.184	2.089		10	29956.5...	50715	3.596	3.596	2...H1-1b
58	OVP	PIPE 2.0	.168	3.958	9	.012	3.958		9	23808.54	32130	1.872	1.872	1...H1-1b
59	M126	LL2.5x2.5x3...	.080	0	1	.003	0	y	1	43139.5...	58320	4.643	2.55	1 H1-1b*
60	M127	LL2.5x2.5x3...	.079	0	9	.003	0	y	9	43139.5...	58320	4.643	2.55	1 H1-1b*
61	M128	LL2.5x2.5x3...	.072	0	5	.003	4.717	y	5	43139.5...	58320	4.643	2.55	1 H1-1b*

I. Mount-to-Tower Connection Check

Custom Orientation Required

Yes

Nodes (labeled per Risa)	Orientation (per graphic of typical platform)
N31A	300
N30	180
N60	60



Tower Connection Bolt Checks

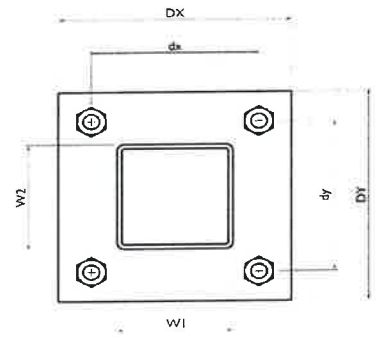
Yes

Bolt Orientation

Parallel

Bolt Quantity per Reaction:
 d_x (in) (Delta X of typ. bolt config. sketch):
 d_y (in) (Delta Y of typ. bolt config. sketch):
 Bolt Type:
 Bolt Diameter (in):
 Required Tensile Strength / bolt (kips):
 Required Shear Strength / bolt (kips):
 Tensile Capacity / bolt (kips):
 Shear Capacity / bolt (kips):
 Bolt Overall Utilization:

4
6
6
A325N
0.625
1.9
0.2
20.7
12.4
9.3%

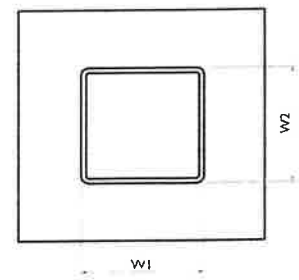


Tower Connection Baseplate Checks

Yes

Connecting Standoff Member Shape:
 Weld Stiffener Configuration:
 Plate Width, D_x (in):
 Plate Height, D_y (in):
 W1(in):
 W2 (in):
 Member Thickness (in):
 Stiffener location a_1 (in):
 Stiffener location b_1 (in):
 Stiffener location a_2 (in):
 Stiffener location b_2 (in):
 F_y (ksi, plate):
 Plate Thickness (in):
 Length of Yield Line, L_y (in):
 Bolt Eccentricity, e (in):
 M_u (kip-in):
 $\Phi * M_n$ (kip-in):
 Plate Bending Utilization:

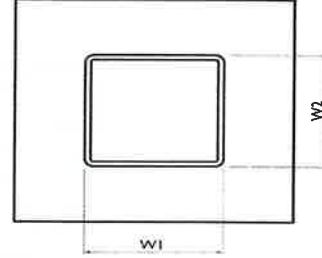
Rect Tube
No Stiffeners
8
8
4
4
0.25
36
0.75
5.85
1.65
3.16
26.65
11.9%



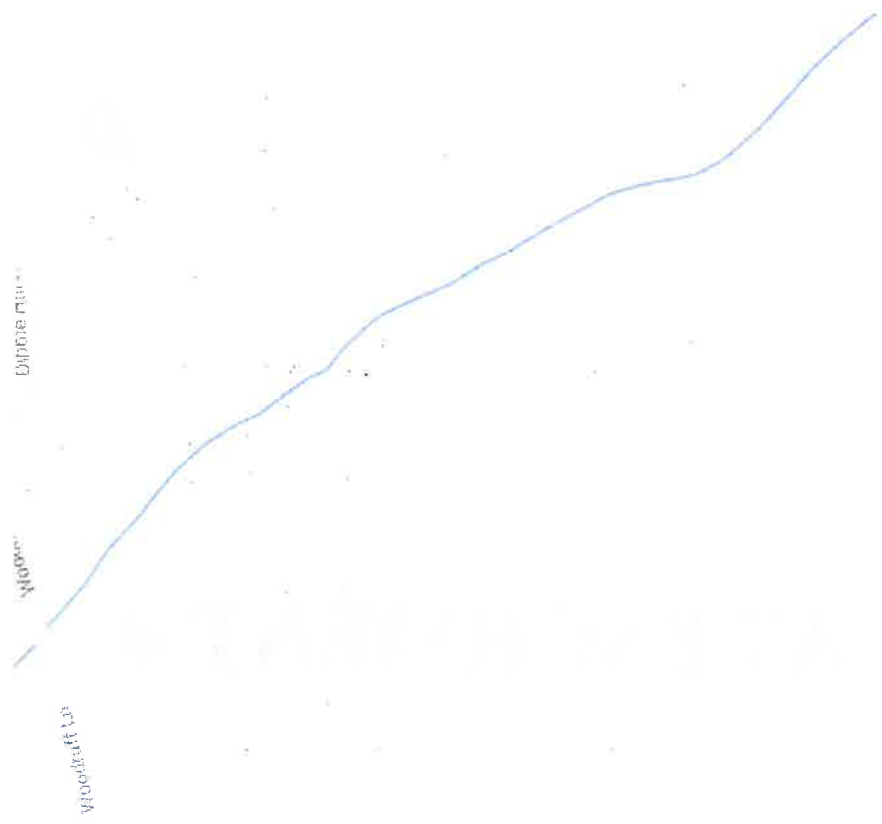
Tower Connection Weld Checks

Weld Shape:
Weld Stiffener Configuration:
Stiffener Notch Length, n (in):
Weld Size (1/16 in):
W1 (in):
W2 (in):
Weld Total Length (in):
 Z_x (in³/in):
 Z_y (in³/in):
 J_p (in⁴/in):
 c_x (in)
 c_y (in)
Required combined strength (kip/in):
Weld Capacity (kip/in):
Weld Utilization:

Yes
Rectangle
None
4
4
4
16.00
21.33
21.33
85.33
2.25
2.25
0.52
5.57
9.3%



ATTACHMENT 4



16 Bell Rd Ext,
Cornwall, CT 06753



016 BELL RD EXT

Location 016 BELL RD EXT

Mblu C07/ 01/ 01/ /

Acct# 98100451

Owner LEGULL LLC

PBN

Assessment \$283,000

Appraisal \$528,500

PID 450

Building Count 1

Current Value

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$126,100	\$402,400	\$528,500
Assessment			
Valuation Year	Improvements	Land	Total
2021	\$88,300	\$194,700	\$283,000

Owner of Record

Owner LEGULL LLC

Sale Price \$0

Co-Owner

Certificate

Address 24 BRATTLE DR

Book & Page 0123/0250

YARMOUTH PORT, MA 02675-2068

Sale Date 11/25/2019

Instrument

Ownership History

Ownership History					
Owner	Sale Price	Certificate	Book & Page	Instrument	Sale Date
LEGULL LLC	\$0		0123/0250		11/25/2019
GULLIVER RALPH JR EST OF	\$0		0059/0459	UNKQ	09/15/1983

Building Information

Building 1 : Section 1

Year Built: 1984

Living Area: 1,680

Replacement Cost: \$194,142
Building Percent Good: 63
Replacement Cost Less Depreciation: \$122,300

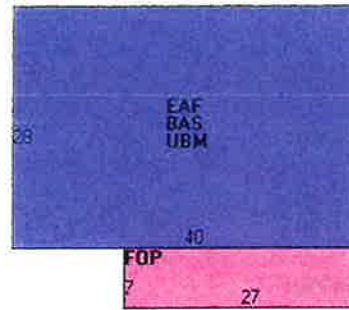
Building Photo



(https://images.vgsi.com/photos/CornwallCTPhotos/A00\00\03\59.jpg)

Building Attributes	
Field	Description
Style:	LOG HOUSE
Model	Residential
Grade:	C
Stories:	1 Story
Occupancy	1
Exterior Wall 1	Logs
Exterior Wall 2	
Roof Structure:	Gable/Hip
Roof Cover	Metal/Tin
Interior Wall 1	Drywall/Sheet
Interior Wall 2	
Interior Flr 1	wood
Interior Flr 2	
Heat Fuel	Oil
Heat Type:	Hot Water
AC Type:	None
Total Bedrooms:	3 Bedrooms
Total Bthrms:	2
Total Half Baths:	0
Total Xtra Fixtrs:	
Total Rooms:	
Bath Style:	Average
Kitchen Style:	Average
Num Kitchens	01
Cndtn	
Num Park	
Fireplaces	
Fndtn Cndtn	
Basement	

Building Layout



(https://images.vgsi.com/photos/CornwallCTPhotos/Sketches/450_450.jpg)

Building Sub-Areas (sq ft)			Legend	
Code	Description	Gross Area	Living Area	
BAS	First Floor	1,120	1,120	
EAF	Attic, Expansion, Finished	1,120	560	
FOP	Porch, Open, Finished	189	0	
UBM	Basement, Unfinished	1,120	0	
		3,549	1,680	

Extra Features

Extra Features				Legend
Code	Description	Size	Value	Bldg #
GEN	GENERATORS	1.00 UNITS	\$0	1

Land

Land Use

Use Code 1-1
Description BUILDING LOT
Zone R-5
Neighborhood
Alt Land Appr No
Category

Land Line Valuation

Size (Acres) 41
Frontage
Depth
Assessed Value \$194,700
Appraised Value \$402,400

Outbuildings

Outbuildings						Legend
Code	Description	Sub Code	Sub Description	Size	Value	Bldg #
SHD1	SHED AVER			171.00 S.F.	\$1,700	1
SHD1	SHED AVER			208.00 S.F.	\$2,100	1

Valuation History

Appraisal			
Valuation Year	Improvements	Land	Total
2021	\$126,100	\$402,400	\$528,500
2020	\$115,500	\$402,400	\$517,900
2019	\$115,500	\$402,400	\$517,900



Assessment			
Valuation Year	Improvements	Land	Total
2021	\$88,300	\$194,700	\$283,000
2020	\$80,900	\$191,400	\$272,300
2019	\$80,900	\$191,400	\$272,300

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ATTACHMENT 5



Certificate of Mailing — Firm

Name and Address of Sender Kenneth C. Baldwin, Esq. Robinson & Cole LLP 280 Trumbull Street Hartford, CT 06103	TOTAL NO. of Pieces Listed by Sender 4	TOTAL NO. of Pieces Received at Post Office™ 4	Affix Stamp Here Postmark with Date of Receipt.
Postmaster, per (name of receiving employer) 			
USPS® Tracking Number Firm-specific Identifier	Address (Name, Street, City/State, and ZIP Code™)	Postage	rcel AirLift
1.	Gordon Ridgway, First Selectman Cornwall Town Hall 24 Pine Street, P.O. Box 97 Cornwall, CT 06753	neopost® 11/29/2023 US POSTAGE \$000.340 ZIP 06103 04/1L12209937	
2.	Karen Nelson, Zoning Enforcement Officer & Clerk Cornwall Town Hall 24 Pine Street, P.O. Box 97 Cornwall, CT 06753	neopost® 11/29/2023 US POSTAGE \$000.022 ZIP 06103 04/1L12209937	
3.	Blue Sky Tower Partners LLC Attn: James Rech 352 Park Street, Suite 106 North Redding, MA 01864	neopost® 11/29/2023 US POSTAGE \$000.022 ZIP 06103 04/1L12209937	
4.	LEGULL LLC 24 Brattle Drive Yarmouth Port, MA 02675-2068		
5.			
6.			